

Supplementary Materials Contents

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1. STROBE-MR checklist of recommended items to address in reports of Mendelian randomization studies^{1 2}

Item No.	Section	Checklist item	Page No.	Relevant text from manuscript
1	TITLE and ABSTRACT	Indicate Mendelian randomization (MR) as the study's design in the title and/or the abstract if that is a main purpose of the study	1/1-2	Causal Effects of Diet on Atopic Dermatitis: A Mendelian Randomization Study Implicating Lipid Pathways and Clinical Implications
INTRODUCTION				
2	Background	Explain the scientific background and rationale for the reported study. What is the exposure? Is a potential causal relationship between exposure and outcome plausible? Justify why MR is a helpful method to address the study question	2-3/59-69	Diet is a key modifiable factor... skin barrier function. Dysregulated lipid metabolism... AD severity. establishing a causal diet-AD pathway... horizontal pleiotropy.
3	Objectives	State specific objectives clearly, including pre-specified causal hypotheses (if any). State that MR is a method that, under specific assumptions, intends to estimate causal effects	3/80-83	To address this gap... for AD prevention.
METHODS				
4	Study design and data sources	Present key elements of the study design early in the article. Consider including a table listing sources of data for all phases of the study. For each data source contributing to the analysis, describe the following:		
	a)	Setting: Describe the study design and the underlying population, if possible. Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection, when available.	3-4/87-89, 106-107, 120-121	This study adopted a two-step MR framework... using genome-wide association study (GWAS) summary data. Genetic instruments... were derived from the UK Biobank study... Outcome data... were obtained from the IEU Open GWAS platform... based on the FinnGen R10 cohort.
	b)	Participants: Give the eligibility criteria, and the sources and methods of selection of participants. Report the sample size, and whether any power or sample size calculations were carried out prior to the main analysis	4/123-125	The total sample size of 796,661 individuals (22,474 cases). All datasets were confined to individuals of European ancestry to minimize bias from population stratification.
	c)	Describe measurement, quality control and selection of genetic variants	5/148-150	SNP selection involved LD clumping with an $r^2 < 0.001$ within a 10,000 kb window. SNPs exhibiting an allele frequency (MAF) ≤ 0.01 were excluded, and palindromic SNPs with MAF values ranging from 0.42 to 0.58 were removed to prevent strand ambiguity.

	d)	For each exposure, outcome, and other relevant variables, describe methods of assessment and diagnostic criteria for diseases	4/120-123	Outcome data for atopic dermatitis were obtained from the IEU Open GWAS platform (ID: ebi-a-GCST90027161), based on the FinnGen R10 cohort. Cases were defined according to ICD-10 code L20 and further verified through dermatologist-reviewed electronic medical records.
	e)	Provide details of ethics committee approval and participant informed consent, if relevant	4/95-102	Ethical review for this study was formally waived... All original GWASs obtained ethical approval and participant consent in their primary studies.
5	Assumptions	Explicitly state the three core IV assumptions for the main analysis (relevance, independence and exclusion restriction) as well assumptions for any additional or sensitivity analysis	5/141-147	The relevance assumption required... The independence assumption mandated... The exclusion restriction assumption stipulated..., excluding horizontal pleiotropic effects.
6	Statistical methods: main analysis	Describe statistical methods and statistics used		
	a)	Describe how quantitative variables were handled in the analyses (i.e., scale, units, model)	5/160-161	The primary statistical method used was inverse-variance weighted (IVW) regression.
	b)	Describe how genetic variants were handled in the analyses and, if applicable, how their weights were selected	4/107-110	Instrumental variables were selected... including ... data normalization, and bias correction using the TwoSampleMR R package.
	c)	Describe the MR estimator (e.g. two-stage least squares, Wald ratio) and related statistics. Detail the included covariates and, in case of two-sample MR, whether the same covariate set was used for adjustment in the two samples	5/158, 160-161	“employed a two-stage MR design”, “the primary statistical method used was inverse-variance weighted (IVW) regression”
	d)	Explain how missing data were addressed	NA	The database used has provided complete data.
	e)	If applicable, indicate how multiple testing was addressed	5/164-165	Multivariable MR (MVMR) was applied if I^2 statistic > 50% to account for potential confounding.
7	Assessment of assumptions	Describe any methods or prior knowledge used to assess the assumptions or justify their validity	5/ 161-164	2.3. Construction and Assumption Validation...: verified using PhenoScanner v2... Pleiotropy was controlled using the MR-PRESSO global test...and exclude outlier SNPs. Sensitivity analyses included MR-Egger, weighted median, weighted mode, and simple mode approaches, along with leave-one-out analyses.

8	Sensitivity analyses and additional analyses	Describe any sensitivity analyses or additional analyses performed (e.g. comparison of effect estimates from different approaches, independent replication, bias analytic techniques, validation of instruments, simulations)	5-6/ 161-164, 167-181	2.4. Mendelian Randomization Analysis: Sensitivity analyses included MR-Egger, weighted median, weighted mode, and simple mode approaches, along with leave-one-out analyses. 2.5. Mediation Effect Assessment; 2.6. Reverse MR Analysis
9	Software and pre-registration			
	a)	Name statistical software and package(s), including version and settings used	6/184-186	The analyses were conducted with R software (version 4.1.0), utilizing key packages such as “TwoSampleMR” (v0.5.6), “MRPRESSO” (v1.0)...and “forestplot” (v2.0.1).
	b)	State whether the study protocol and details were pre-registered (as well as when and where)	NA	A protocol for this Mendelian randomization study was not pre-registered.
RESULTS				
10	Descriptive data			
	a)	Report the numbers of individuals at each stage of included studies and reasons for exclusion. Consider use of a flow diagram	6/196-199	Following cluster analysis and application of exclusion criteria, we selected three SNP sets: 6,290 SNPs... 7,703 SNPs... and 11,575 SNPs...and lipid traits.
	b)	Report summary statistics for phenotypic exposure(s), outcome(s), and other relevant variables (e.g. means, SDs, proportions)	14 / 467-469	Table 1. Summary of GWAS sources, sample sizes, and traits for exposure, mediator, and outcome variables
	c)	If the data sources include meta-analyses of previous studies, provide the assessments of heterogeneity across these studies	NA	The data source of this article is the original GWAS aggregated data, not a meta-analysis.
	d)	For two-sample MR: i. Provide justification of the similarity of the genetic variant-exposure associations between the exposure and outcome samples ii. Provide information on the number of individuals who overlap between the exposure and outcome studies	6/199-200-275	All GWAS data for exposures, mediators, and outcomes were obtained from independent cohorts with no sample overlap.
11	Main results			
	a)	Report the associations between genetic variant and exposure, and between genetic variant and outcome, preferably on an interpretable scale	6/ 197-199	This information is mainly presented in Supplementary Tables 1-1, 1-2, and 1-3. The main text summarizes it by referring to these tables.

	b)	Report MR estimates of the relationship between exposure and outcome, and the measures of uncertainty from the MR analysis, on an interpretable scale, such as odds ratio or relative risk per SD difference	7/204-207, 224-225, 236-237	High intake of brown bread (OR = 1.78, 95% CI 1.10–2.89) and wholemeal bread (OR = 1.23, 95% CI 1.06–1.43) increased AD risk... other oil-based spread (OR = 0.56, 95% CI 0.34–0.93) was protective. 3.3.1 Omega-6 fatty acids emerged as a significant risk factor (OR = 1.06, 95% CI 1.01–1.11, $P = 0.03$). 3.3.2 consumption of other oil-based spreads was negatively associated with sphingomyelin SM C20:2 levels (OR = 0.47, 95% CI 0.25–0.87, $P = 0.02$).
	c)	If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	NA	This study mainly reports the OR (odds ratio), without performing the conversion to absolute risk.
	d)	Consider plots to visualize results (e.g. forest plot, scatterplot of associations between genetic variants and outcome versus between genetic variants and exposure)	7-8 / 211-212, 229, 247, 267	Fig. 2, Fig. 3, Fig. 4, Fig. 5 and Table 2, etc.
12	Assessment of assumptions			
	a)	Report the assessment of the validity of the assumptions	7-8 / 28-209, 225-227, 243-244	Heterogeneity was low (Cochran's Q $P > 0.05$; $I^2 < 25\%$) and no horizontal pleiotropy was detected. 3.3.1 Heterogeneity was low ($I^2 = 12\%$, Cochran's $Q = 32.97$, $P = 0.28$) and no horizontal pleiotropy was observed (MR-PRESSO $P = 0.26$). 3.3.2 No significant heterogeneity ($I^2 = 0 - 7\%$, Cochran's Q test $P > 0.35$) or horizontal pleiotropy (MR-Egger intercept test $P > 0.18$; MR-PRESSO global test $P > 0.43$) was detected.
	b)	Report any additional statistics (e.g., assessments of heterogeneity across genetic variants, such as I^2 , Q statistic or E-value)	12/226-229	The report presented the I^2 and Q statistics. The E value was not reported.
13	Sensitivity analyses and additional analyses			
	a)	Report any sensitivity analyses to assess the robustness of the main results to violations of the assumptions	7-8 / 209-210, 227-228, 245	Sensitivity analyses (leave-one-out, funnel, scatter plots) revealed no influential outliers.

	b)	Report results from other sensitivity analyses or additional analyses	8/ 260-261	All instrumental variables were robust (F -statistic > 10), with no evidence of heterogeneity or pleiotropy detected.
	c)	Report any assessment of direction of causal relationship (e.g., bidirectional MR)	8/264-266	To validate the causal direction, reverse MR analysis was conducted. No significant causal effects of AD on either dietary habits or lipid traits were observed (all $P > 0.05$; Supplementary Table 2), supporting the proposed directionality in the primary model.
	d)	When relevant, report and compare with estimates from non-MR analyses	NA	Not applicable, as this is a purely genetic study aimed at overcoming confounding inherent in observational comparisons.
	e)	Consider additional plots to visualize results (e.g., leave-one-out analyses)	7-8/ 210, 228, 246	The text mentions "supported by Supplementary Dataset 1/2/3" as well as "funnel, scatter plots".

DISCUSSION

14	Key results	Summarize key results with reference to study objectives	8-9 / 271-279	Employing a two-step Mendelian randomization framework... these causal relationships.
15	Limitations	Discuss limitations of the study, taking into account the validity of the IV assumptions, other sources of potential bias, and imprecision. Discuss both direction and magnitude of any potential bias and any efforts to address them	10-11 / 341-344	Limitations include potential residual pleiotropy, limited generalizability from European-centric data, and an inability to capture life-stage-specific dietary effects.
16	Interpretation			
	a)	Meaning: Give a cautious overall interpretation of results in the context of their limitations and in comparison with other studies	9 / 280-289, 276-278	Our MR results both align with and extend prior evidence... factors linked to inflammation. They not only support the known principle... but further identify specific lipid mediators...which underlie these causal relationships.
	b)	Mechanism: Discuss underlying biological mechanisms that could drive a potential causal relationship between the investigated exposure and the outcome, and whether the gene-environment equivalence assumption is reasonable. Use causal language carefully, clarifying that IV estimates may provide causal effects only under certain assumptions	9-10 / 297-316	Mechanistically, food processing alters the food matrix... This integrated cascade illustrates how dietary modulation of lipid metabolism can influence AD progression...to disease pathophysiology.
	c)	Clinical relevance: Discuss whether the results have clinical or public policy relevance, and to what extent they inform effect sizes of possible interventions	10 / 335-338	This framework provides a mechanistic basis for dietary interventions: reducing highly processed grains... while increasing intake of n-3 PUFA-rich foods and minimally processed whole grains to support skin barrier function.

17	Generalizability	Discuss the generalizability of the study results (a) to other populations, (b) across other exposure periods/timings, and (c) across other levels of exposure	10 / 341-342	limited generalizability from European-centric data
OTHER INFORMATION				
18	Funding	Describe sources of funding and the role of funders in the present study and, if applicable, sources of funding for the databases and original study or studies on which the present study is based	11 / 365-370	This work was supported by NSFC (82505578), Guangdong Medical Research Fund (B2024059), Shenzhen Municipal Natural Science Foundation (JCYJ20250604190721027), and University-Hospital Joint Fund of Guangzhou University of Chinese Medicine (GZYFT2024Y12).
19	Data and data sharing	Provide the data used to perform all analyses or report where and how the data can be accessed, and reference these sources in the article. Provide the statistical code needed to reproduce the results in the article, or report whether the code is publicly accessible and if so, where	11/360-363	All GWAS summary statistics are publicly available from UK Biobank (https://www.ukbiobank.ac.uk), FinnGen R10 (https://www.finnngen.fi/en), and curated lipid GWAS datasets (https://omicscience.org/apps/crossplatform). Analysis code is available from the corresponding author upon reasonable request.
20	Conflicts of Interest	All authors should declare all potential conflicts of interest	11/364	Competing interests: The authors declare no competing interests.

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1. Skrivankova VW, Richmond RC, Woolf BAR, Yarmolinsky J, Davies NM, Swanson SA, et al. Strengthening the Reporting of Observational Studies in Epidemiology using Mendelian Randomization (STROBE-MR) Statement. JAMA. 2021;under review.
2. Skrivankova VW, Richmond RC, Woolf BAR, Davies NM, Swanson SA, VanderWeele TJ, et al. Strengthening the Reporting of Observational Studies in Epidemiology using Mendelian Randomisation (STROBE-MR): Explanation and Elaboration. BMJ. 2021;375:n2233.

2. Supplementary Methods:

SNP Selection and Instrumental Variable Construction

Instrumental variables (IVs) for lipid traits were selected from 241 GWAS summary datasets using the following stepwise procedure:

1. Initial SNP filtering: Candidate SNPs were identified as those significantly associated with exposure traits (dietary or lipid phenotypes) at $P < 1 \times 10^{-5}$.
2. Independence assumption (Hypothesis 1): Linkage disequilibrium (LD) clumping was performed with $r^2 < 0.001$ within a 10,000 kb window. SNPs with minor allele frequency (MAF) ≤ 0.01 were excluded to avoid rare variants and reduce bias from low-frequency alleles.
3. Exclusion of confounder- and outcome-associated SNPs (Hypotheses 2 and 3): SNPs associated with known confounders or the outcome at $P < 1 \times 10^{-5}$ were removed using the GWAS Catalog (Sollis et al., 2023) and PhenoScanner (Ahn et al., 2023, Cao et al., 2024).
4. Palindromic SNP removal: SNPs with palindromic alleles and MAF between 0.42 and 0.58 were excluded to prevent strand ambiguity.
5. Pleiotropy correction: MR-PRESSO ($P < 0.05$) was applied to identify and remove outlier SNPs potentially introducing horizontal pleiotropy.
6. Final IV extraction: The remaining SNPs were matched to the outcome GWAS summary statistics to construct the final IV sets for each exposure.

Software and reproducibility: All analyses were conducted in R (version 4.1.0). MR analyses, including the application of the inverse-variance weighted method, were performed using the TwoSampleMR R package (version 0.5.6). Pleiotropy assessment was conducted with the MR-PRESSO R package (version 1.0). Additional analyses utilized the MendelianRandomization (v0.5.1) package. Figures were generated using ggplot2 (v3.3.5).

- Ahn K, Penn RB, Rattan S, Panettieri RA, Jr., Voight BF, An SS. Mendelian Randomization Analysis Reveals a Complex Genetic Interplay among Atopic Dermatitis, Asthma, and Gastroesophageal Reflux Disease. *American journal of respiratory and critical care medicine* 2023;207(2):130-7.
- Cao S, Zhang Z, Liu L, Li Y, Li W, Li Y, et al. Causal relationships between atopic dermatitis and psychiatric disorders: a bidirectional two-sample Mendelian randomization study. *BMC psychiatry* 2024;24(1):16.
- Sollis E, Mosaku A, Abid A, Buniello A, Cerezo M, Gil L, et al. The NHGRI-EBI GWAS Catalog: knowledgebase and deposition resource. *Nucleic Acids Res* 2023;51(D1):D977-d85.

3. Supplementary Table 1-1: MR Instrumental SNPs for 83 Dietary Traits in Atopic Dermatitis

SNP	Outcome	CHR	POS	EA/OA	EAF	MAF	β^*	SE	P	F-statistic
Added salt consumption										
rs35118458	ebi-a-GCST90027161	1	6637056	G/A	0.979	0.021	0.048	0.039	0.210	26.919
rs78708939	ebi-a-GCST90027161	8	93658102	T/C	0.955	0.045	0.038	0.026	0.137	27.212
rs10790376	ebi-a-GCST90027161	11	120182932	A/G	0.326	0.326	0.037	0.011	0.001	27.962
rs144536245	ebi-a-GCST90027161	1	187439426	C/T	0.962	0.038	0.032	0.026	0.213	19.053
rs667128	ebi-a-GCST90027161	12	10961174	C/T	0.901	0.099	0.028	0.019	0.140	21.555
rs543760429	ebi-a-GCST90027161	22	43147206	T/C	0.972	0.028	0.027	0.043	0.534	164.993
rs62509956	ebi-a-GCST90027161	8	61099869	T/C	0.938	0.063	0.024	0.020	0.242	19.757
rs2088672	ebi-a-GCST90027161	3	170438978	A/C	0.900	0.101	0.024	0.018	0.177	20.175
rs5758341	ebi-a-GCST90027161	22	41815938	C/T	0.498	0.498	0.023	0.010	0.024	20.465
rs10971930	ebi-a-GCST90027161	9	34116083	T/C	0.876	0.124	0.022	0.016	0.156	30.692
rs9587820	ebi-a-GCST90027161	13	89216070	A/G	0.477	0.477	0.022	0.010	0.031	24.935
rs9643447	ebi-a-GCST90027161	8	83335889	G/A	0.939	0.061	0.022	0.023	0.338	25.020
rs4601984	ebi-a-GCST90027161	15	57060530	G/T	0.657	0.343	0.021	0.011	0.049	32.321
rs115746115	ebi-a-GCST90027161	2	6155113	G/A	0.984	0.016	0.021	0.041	0.610	19.784
rs1045411	ebi-a-GCST90027161	13	31033232	C/T	0.695	0.305	0.019	0.011	0.072	36.159
rs2899548	ebi-a-GCST90027161	15	54938261	C/T	0.099	0.099	0.019	0.018	0.281	30.761
rs6500257	ebi-a-GCST90027161	16	49824897	G/A	0.549	0.451	0.019	0.010	0.063	20.005
rs35099536	ebi-a-GCST90027161	6	9516653	A/C	0.904	0.096	0.019	0.017	0.270	47.479
rs10484759	ebi-a-GCST90027161	6	127037042	C/T	0.760	0.240	0.018	0.012	0.121	31.513
rs12375481	ebi-a-GCST90027161	9	11601305	C/T	0.802	0.198	0.017	0.013	0.180	25.099
rs9466000	ebi-a-GCST90027161	6	21217853	C/T	0.859	0.141	0.017	0.015	0.239	21.923
rs951901	ebi-a-GCST90027161	12	58398365	C/A	0.365	0.365	0.017	0.010	0.111	31.235
rs55851539	ebi-a-GCST90027161	2	69629807	G/A	0.848	0.152	0.016	0.015	0.274	28.249
rs28366151	ebi-a-GCST90027161	6	31592715	C/T	0.905	0.095	0.016	0.019	0.408	40.779
rs76556954	ebi-a-GCST90027161	1	163873911	G/A	0.958	0.042	0.016	0.023	0.500	18.769
rs9365531	ebi-a-GCST90027161	6	163456305	G/A	0.872	0.128	0.015	0.015	0.314	27.088
rs6887291	ebi-a-GCST90027161	5	106438742	T/G	0.353	0.353	0.015	0.011	0.155	49.289
rs2435573	ebi-a-GCST90027161	11	98589425	A/G	0.414	0.414	0.015	0.010	0.155	27.250
rs76841017	ebi-a-GCST90027161	12	121090195	T/C	0.972	0.028	0.014	0.031	0.642	20.389
rs11556473	ebi-a-GCST90027161	20	62521657	A/G	0.898	0.102	0.013	0.017	0.448	24.639
rs17805497	ebi-a-GCST90027161	2	177070172	T/C	0.679	0.321	0.013	0.011	0.250	35.904
rs8029974	ebi-a-GCST90027161	15	70691652	A/G	0.197	0.197	0.013	0.012	0.315	19.398
rs73244395	ebi-a-GCST90027161	4	18162989	G/T	0.806	0.194	0.012	0.013	0.342	28.854
rs264955	ebi-a-GCST90027161	2	104304793	G/A	0.403	0.403	0.012	0.010	0.244	40.785
rs1008275	ebi-a-GCST90027161	16	72944336	A/G	0.713	0.288	0.012	0.012	0.314	25.194
rs961044	ebi-a-GCST90027161	14	87608094	C/T	0.143	0.143	0.012	0.014	0.418	21.241
rs12094804	ebi-a-GCST90027161	1	201733115	A/G	0.944	0.056	0.012	0.022	0.593	25.055
rs80253017	ebi-a-GCST90027161	4	67300648	T/C	0.941	0.059	0.011	0.022	0.605	32.393
rs11113569	ebi-a-GCST90027161	12	108280935	T/C	0.531	0.470	0.011	0.010	0.270	26.979
rs4672268	ebi-a-GCST90027161	2	59146423	G/A	0.559	0.441	0.011	0.010	0.296	20.382
rs11022746	ebi-a-GCST90027161	11	2442707	T/G	0.307	0.307	0.010	0.012	0.371	21.380
rs11208909	ebi-a-GCST90027161	1	67037677	A/G	0.866	0.134	0.010	0.015	0.504	25.043
rs62098445	ebi-a-GCST90027161	18	58819108	C/A	0.633	0.367	0.010	0.011	0.343	56.271
rs11083221	ebi-a-GCST90027161	18	25225559	C/A	0.524	0.476	0.009	0.010	0.353	21.792
rs828867	ebi-a-GCST90027161	2	74334462	G/A	0.429	0.429	0.009	0.010	0.377	22.186

rs633223	ebi-a-GCST90027161	11	119846524	A/G	0.432	0.432	0.008	0.010	0.416	21.197
rs2339234	ebi-a-GCST90027161	5	170612546	G/A	0.330	0.330	0.008	0.011	0.458	53.399
rs925946	ebi-a-GCST90027161	11	27667202	T/G	0.319	0.319	0.008	0.011	0.463	32.032
rs2852348	ebi-a-GCST90027161	18	37189171	A/G	0.560	0.440	0.008	0.010	0.452	43.030
rs2720293	ebi-a-GCST90027161	12	50175380	A/G	0.688	0.312	0.008	0.011	0.484	21.605
rs77416152	ebi-a-GCST90027161	2	220375983	G/A	0.734	0.266	0.007	0.012	0.530	27.908
rs1409293	ebi-a-GCST90027161	6	125172405	G/A	0.522	0.478	0.007	0.010	0.498	27.922
rs9480142	ebi-a-GCST90027161	6	155795605	C/T	0.732	0.268	0.007	0.011	0.554	23.594
rs510901	ebi-a-GCST90027161	9	22449909	T/C	0.402	0.402	0.006	0.010	0.547	32.124
rs2505083	ebi-a-GCST90027161	10	30335122	T/C	0.554	0.446	0.006	0.010	0.560	21.388
rs12579995	ebi-a-GCST90027161	12	110046104	G/A	0.853	0.147	0.005	0.015	0.720	59.192
rs4739105	ebi-a-GCST90027161	8	64496159	T/C	0.209	0.209	0.005	0.013	0.682	40.055
rs113958283	ebi-a-GCST90027161	10	27110050	T/C	0.946	0.054	0.005	0.022	0.822	28.146
rs62182402	ebi-a-GCST90027161	2	172741019	T/C	0.686	0.314	0.005	0.011	0.657	22.867
rs11131601	ebi-a-GCST90027161	4	66450520	T/G	0.439	0.439	0.005	0.010	0.646	23.061
rs3017030	ebi-a-GCST90027161	18	19331299	A/G	0.544	0.456	0.005	0.010	0.664	22.406
rs62183023	ebi-a-GCST90027161	2	212618746	C/T	0.699	0.301	0.004	0.011	0.689	34.953
rs16955211	ebi-a-GCST90027161	17	5812585	A/G	0.894	0.107	0.004	0.017	0.795	29.136
rs2514893	ebi-a-GCST90027161	11	127085838	A/G	0.347	0.347	0.004	0.011	0.700	20.407
rs4948275	ebi-a-GCST90027161	10	63136622	C/T	0.555	0.445	0.004	0.010	0.700	56.593
rs4948441	ebi-a-GCST90027161	10	62783877	G/A	0.635	0.365	0.004	0.011	0.708	83.586
rs9900555	ebi-a-GCST90027161	17	71253023	G/A	0.538	0.462	0.004	0.010	0.699	23.189
rs528301	ebi-a-GCST90027161	2	45154908	G/A	0.410	0.410	0.004	0.010	0.715	62.679
rs2693687	ebi-a-GCST90027161	14	99672917	C/T	0.629	0.371	0.004	0.011	0.731	37.154
rs7812975	ebi-a-GCST90027161	8	25455282	G/A	0.315	0.315	0.004	0.011	0.740	22.783
rs56407270	ebi-a-GCST90027161	1	166902106	G/A	0.224	0.224	0.002	0.012	0.843	30.337
rs4955432	ebi-a-GCST90027161	3	49266772	C/T	0.356	0.356	0.002	0.011	0.838	34.890
rs7583154	ebi-a-GCST90027161	2	97346335	T/C	0.665	0.335	0.002	0.011	0.836	20.787
rs6958837	ebi-a-GCST90027161	7	27252246	A/C	0.117	0.117	0.002	0.016	0.896	30.124
rs12789951	ebi-a-GCST90027161	11	99719509	C/T	0.628	0.372	0.002	0.011	0.867	24.899
rs33137	ebi-a-GCST90027161	5	158064276	C/T	0.510	0.490	0.002	0.010	0.864	42.981
rs11649022	ebi-a-GCST90027161	16	6907474	C/T	0.724	0.276	0.001	0.011	0.919	22.028
rs1064213	ebi-a-GCST90027161	2	198950240	G/A	0.550	0.450	0.001	0.010	0.915	28.777
rs9401250	ebi-a-GCST90027161	6	98316447	C/T	0.575	0.425	0.001	0.010	0.923	31.143
rs283967	ebi-a-GCST90027161	13	77080465	T/C	0.235	0.235	0.001	0.012	0.938	25.915
rs1895650	ebi-a-GCST90027161	15	96043770	G/T	0.606	0.394	0.001	0.010	0.965	21.407
rs9852600	ebi-a-GCST90027161	3	83279554	C/T	0.824	0.176	0.000	0.014	0.985	56.218
rs10752999	ebi-a-GCST90027161	1	187279690	A/C	0.284	0.284	0.000	0.011	0.990	45.636
rs10767884	ebi-a-GCST90027161	11	30990568	A/G	0.446	0.446	0.000	0.010	0.971	26.404
rs9327963	ebi-a-GCST90027161	5	105823164	T/C	0.518	0.482	-0.001	0.010	0.952	22.649
rs34906832	ebi-a-GCST90027161	4	101738082	A/G	0.865	0.135	-0.001	0.015	0.957	32.636
rs12289262	ebi-a-GCST90027161	11	12894758	C/T	0.766	0.235	-0.001	0.013	0.937	20.035
rs1871020	ebi-a-GCST90027161	3	82717048	T/C	0.873	0.127	-0.001	0.015	0.945	21.566
rs4855046	ebi-a-GCST90027161	3	181499477	G/T	0.549	0.451	-0.001	0.010	0.924	22.607
rs440657	ebi-a-GCST90027161	13	62892728	A/G	0.159	0.159	-0.001	0.014	0.926	27.683
rs4682536	ebi-a-GCST90027161	3	114050607	C/T	0.525	0.475	-0.001	0.010	0.897	22.082
rs6859654	ebi-a-GCST90027161	5	13277990	A/G	0.430	0.430	-0.002	0.010	0.836	21.134
rs2687169	ebi-a-GCST90027161	3	60372036	T/C	0.346	0.346	-0.002	0.011	0.831	59.782
rs740746	ebi-a-GCST90027161	10	115792787	G/A	0.257	0.257	-0.002	0.012	0.850	18.909
rs13186468	ebi-a-GCST90027161	5	94071915	T/G	0.536	0.464	-0.003	0.010	0.802	26.840

rs35154326	ebi-a-GCST90027161	16	24862414	A/G	0.707	0.293	-0.003	0.011	0.823	27.060
rs4799949	ebi-a-GCST90027161	18	35155910	C/T	0.302	0.302	-0.003	0.011	0.819	29.381
rs2921400	ebi-a-GCST90027161	13	58688590	T/G	0.270	0.270	-0.003	0.011	0.807	26.188
rs4981196	ebi-a-GCST90027161	14	33985724	A/C	0.358	0.358	-0.003	0.011	0.796	31.367
rs77747102	ebi-a-GCST90027161	5	26519071	C/T	0.902	0.098	-0.003	0.018	0.867	22.281
rs11964516	ebi-a-GCST90027161	6	41860252	T/C	0.809	0.191	-0.003	0.013	0.800	22.572
rs3750247	ebi-a-GCST90027161	8	143921812	A/G	0.561	0.440	-0.003	0.010	0.749	22.083
rs4800312	ebi-a-GCST90027161	18	26477732	A/G	0.779	0.221	-0.003	0.012	0.770	20.476
rs34150773	ebi-a-GCST90027161	1	61859313	G/A	0.932	0.068	-0.004	0.022	0.872	22.810
rs1339157	ebi-a-GCST90027161	9	23196532	T/C	0.515	0.486	-0.004	0.010	0.724	39.691
rs1965024	ebi-a-GCST90027161	16	51173559	G/A	0.348	0.348	-0.004	0.011	0.733	30.681
rs7591518	ebi-a-GCST90027161	2	145632077	T/C	0.709	0.291	-0.004	0.011	0.743	92.213
rs72792822	ebi-a-GCST90027161	5	129008971	G/T	0.925	0.075	-0.004	0.021	0.858	25.976
rs10939848	ebi-a-GCST90027161	5	59768000	T/C	0.804	0.196	-0.004	0.013	0.765	20.164
rs4645992	ebi-a-GCST90027161	1	15849742	G/T	0.763	0.237	-0.004	0.012	0.731	22.491
rs803375	ebi-a-GCST90027161	1	44639212	G/T	0.372	0.372	-0.004	0.011	0.677	72.974
rs247254	ebi-a-GCST90027161	5	61676911	T/G	0.521	0.479	-0.005	0.010	0.658	19.518
rs35646046	ebi-a-GCST90027161	4	80962082	C/T	0.889	0.111	-0.005	0.017	0.782	20.051
rs2216308	ebi-a-GCST90027161	2	51227012	A/C	0.441	0.441	-0.005	0.010	0.641	21.645
rs35271178	ebi-a-GCST90027161	11	17411020	C/T	0.440	0.440	-0.005	0.010	0.632	30.745
rs4236065	ebi-a-GCST90027161	6	12167286	T/C	0.744	0.256	-0.005	0.012	0.671	27.712
rs269776	ebi-a-GCST90027161	5	139475287	A/G	0.335	0.335	-0.005	0.011	0.655	23.167
rs2052455	ebi-a-GCST90027161	5	141025581	A/G	0.813	0.187	-0.005	0.013	0.678	24.283
rs9872695	ebi-a-GCST90027161	3	214121	C/T	0.672	0.328	-0.007	0.011	0.559	19.925
rs2736748	ebi-a-GCST90027161	3	60815608	A/G	0.609	0.392	-0.007	0.013	0.593	118.759
rs73302235	ebi-a-GCST90027161	5	123719346	T/C	0.964	0.036	-0.007	0.030	0.814	19.730
rs77344315	ebi-a-GCST90027161	7	54066152	C/T	0.981	0.019	-0.007	0.032	0.825	19.352
rs11001963	ebi-a-GCST90027161	10	78760959	C/T	0.429	0.429	-0.007	0.010	0.473	21.372
rs151174	ebi-a-GCST90027161	16	28508069	C/T	0.562	0.438	-0.007	0.010	0.473	32.524
rs4708063	ebi-a-GCST90027161	6	69096100	G/T	0.435	0.435	-0.008	0.010	0.473	33.637
rs869238	ebi-a-GCST90027161	10	131694780	G/A	0.778	0.222	-0.008	0.013	0.559	20.948
rs9679316	ebi-a-GCST90027161	2	157526936	C/T	0.582	0.418	-0.008	0.010	0.469	20.741
rs7651408	ebi-a-GCST90027161	3	39260189	T/C	0.691	0.309	-0.008	0.011	0.472	24.422
rs6662710	ebi-a-GCST90027161	1	29204702	C/T	0.428	0.428	-0.009	0.010	0.400	23.803
rs375207	ebi-a-GCST90027161	13	86443224	G/A	0.562	0.438	-0.009	0.010	0.380	21.540
rs4965043	ebi-a-GCST90027161	15	98352135	C/A	0.637	0.363	-0.009	0.010	0.387	23.621
rs13131880	ebi-a-GCST90027161	4	178963783	T/C	0.750	0.250	-0.009	0.011	0.416	39.262
rs1873072	ebi-a-GCST90027161	3	94345961	T/C	0.711	0.289	-0.009	0.011	0.415	22.866
rs8022455	ebi-a-GCST90027161	14	98883534	T/C	0.462	0.462	-0.009	0.010	0.354	27.182
rs1726866	ebi-a-GCST90027161	7	141672705	G/A	0.413	0.413	-0.010	0.010	0.353	194.829
rs55692842	ebi-a-GCST90027161	7	82170683	C/T	0.808	0.192	-0.010	0.013	0.445	23.258
rs453585	ebi-a-GCST90027161	3	18634872	G/A	0.386	0.386	-0.010	0.011	0.341	64.624
rs4696243	ebi-a-GCST90027161	4	152228257	G/A	0.860	0.140	-0.010	0.018	0.565	24.689
rs6804929	ebi-a-GCST90027161	3	119833578	G/A	0.872	0.128	-0.010	0.014	0.475	27.755
rs2846508	ebi-a-GCST90027161	6	162946697	T/C	0.183	0.183	-0.011	0.013	0.409	23.267
rs153685	ebi-a-GCST90027161	5	87981030	C/T	0.376	0.376	-0.011	0.011	0.308	19.831
rs1008078	ebi-a-GCST90027161	1	91189731	C/T	0.539	0.461	-0.011	0.010	0.267	32.466
rs11614579	ebi-a-GCST90027161	12	119519324	G/A	0.746	0.254	-0.011	0.012	0.345	19.222
rs9971382	ebi-a-GCST90027161	11	126666389	G/T	0.485	0.485	-0.012	0.010	0.246	64.447
rs7823611	ebi-a-GCST90027161	8	22755722	T/C	0.884	0.116	-0.012	0.017	0.471	27.885

rs3746118	ebi-a-GCST90027161	19	3762498	C/T	0.708	0.293	-0.013	0.012	0.271	20.241
rs1460913	ebi-a-GCST90027161	11	115404152	T/C	0.341	0.341	-0.013	0.011	0.218	19.469
rs17076243	ebi-a-GCST90027161	18	64066158	G/A	0.827	0.173	-0.014	0.013	0.308	21.816
rs8067893	ebi-a-GCST90027161	17	17117628	G/A	0.869	0.131	-0.015	0.015	0.325	23.412
rs1025132	ebi-a-GCST90027161	2	63360639	G/A	0.614	0.386	-0.015	0.011	0.150	34.612
rs963492	ebi-a-GCST90027161	13	107956372	G/A	0.760	0.240	-0.015	0.012	0.221	25.821
rs13252210	ebi-a-GCST90027161	8	9769543	A/G	0.723	0.277	-0.015	0.011	0.175	26.912
rs10204020	ebi-a-GCST90027161	2	213191560	T/G	0.243	0.243	-0.016	0.012	0.191	19.773
rs3890316	ebi-a-GCST90027161	4	94242898	G/A	0.746	0.254	-0.016	0.012	0.162	19.512
rs2826817	ebi-a-GCST90027161	21	22745605	T/C	0.737	0.263	-0.017	0.012	0.139	19.298
rs11107595	ebi-a-GCST90027161	12	94948190	A/G	0.804	0.196	-0.019	0.013	0.156	20.509
rs3760	ebi-a-GCST90027161	8	17886345	T/C	0.225	0.225	-0.019	0.012	0.112	22.961
rs2704357	ebi-a-GCST90027161	2	164405728	T/C	0.602	0.398	-0.020	0.010	0.056	46.555
rs11126666	ebi-a-GCST90027161	2	26928811	G/A	0.698	0.302	-0.020	0.011	0.060	26.216
rs184205962	ebi-a-GCST90027161	10	26062837	C/T	0.992	0.008	-0.021	0.085	0.810	19.683
rs55746333	ebi-a-GCST90027161	16	82823938	G/A	0.676	0.324	-0.021	0.011	0.053	23.170
rs12658060	ebi-a-GCST90027161	5	51375189	T/C	0.797	0.203	-0.021	0.013	0.107	113.820
rs6509525	ebi-a-GCST90027161	19	51818151	T/C	0.493	0.493	-0.021	0.010	0.039	23.579
rs2835623	ebi-a-GCST90027161	21	38511531	C/T	0.942	0.058	-0.022	0.021	0.301	22.028
rs1159573	ebi-a-GCST90027161	3	126836157	G/A	0.716	0.284	-0.022	0.012	0.060	20.556
rs329670	ebi-a-GCST90027161	11	133794599	T/C	0.115	0.115	-0.023	0.017	0.178	34.066
rs2861885	ebi-a-GCST90027161	1	177021726	C/A	0.881	0.119	-0.023	0.015	0.130	30.901
rs10860436	ebi-a-GCST90027161	12	99813940	T/G	0.871	0.129	-0.024	0.015	0.119	21.214
rs6467401	ebi-a-GCST90027161	7	131632592	T/C	0.389	0.389	-0.025	0.011	0.017	20.051
rs9993724	ebi-a-GCST90027161	4	182479799	G/T	0.813	0.188	-0.026	0.014	0.052	23.783
rs56072551	ebi-a-GCST90027161	1	44124514	G/T	0.920	0.080	-0.027	0.019	0.156	24.646
rs11981973	ebi-a-GCST90027161	7	69445341	A/G	0.825	0.175	-0.027	0.013	0.038	20.848
rs12742348	ebi-a-GCST90027161	1	115618238	G/A	0.846	0.154	-0.027	0.014	0.051	21.294
rs11167672	ebi-a-GCST90027161	5	153724503	T/G	0.313	0.313	-0.027	0.011	0.012	21.538
rs7242945	ebi-a-GCST90027161	18	22405871	G/A	0.984	0.016	-0.029	0.038	0.444	26.720
rs1339971	ebi-a-GCST90027161	6	97962333	T/C	0.101	0.101	-0.032	0.016	0.049	22.435
rs10410950	ebi-a-GCST90027161	19	13128861	G/A	0.960	0.040	-0.045	0.027	0.104	29.403

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rs34805485	ebi-a-GCST90027161	9	71182471	G/A	0.989	0.011	0.092	0.058	0.113	25.170
rs61184420	ebi-a-GCST90027161	13	106445374	G/T	0.969	0.031	0.063	0.034	0.066	27.807
rs192724460	ebi-a-GCST90027161	11	57766550	A/G	0.984	0.016	0.061	0.044	0.171	22.391
rs66506103	ebi-a-GCST90027161	1	204319277	G/A	0.981	0.019	0.061	0.042	0.148	21.712
rs118185251	ebi-a-GCST90027161	22	19815171	T/C	0.988	0.012	0.057	0.060	0.347	22.234
rs150239914	ebi-a-GCST90027161	19	5223313	G/A	0.979	0.022	0.054	0.042	0.202	20.761
rs144254678	ebi-a-GCST90027161	6	160127079	C/A	0.985	0.015	0.048	0.044	0.278	22.483
rs148451202	ebi-a-GCST90027161	3	14696373	C/T	0.978	0.022	0.044	0.038	0.247	20.133
rs2612034	ebi-a-GCST90027161	3	53760051	T/C	0.120	0.120	0.042	0.017	0.017	24.336
rs17651189	ebi-a-GCST90027161	22	24844883	T/C	0.954	0.046	0.034	0.026	0.193	22.578
rs11771119	ebi-a-GCST90027161	7	136563813	T/C	0.820	0.180	0.033	0.013	0.010	23.782
rs80101850	ebi-a-GCST90027161	9	82018969	T/C	0.958	0.042	0.033	0.025	0.180	21.206
rs113441031	ebi-a-GCST90027161	16	69763280	C/T	0.835	0.165	0.032	0.014	0.021	46.284
rs113441031	ebi-a-GCST90027161	16	69763280	C/T	0.835	0.165	0.032	0.014	0.021	41.474
rs113209907	ebi-a-GCST90027161	17	41073629	C/A	0.960	0.040	0.031	0.026	0.246	20.863
rs874296	ebi-a-GCST90027161	19	34107641	T/C	0.611	0.390	0.031	0.011	0.004	26.503
rs149161616	ebi-a-GCST90027161	22	24667049	C/T	0.953	0.047	0.030	0.026	0.252	20.780

rs9816673	ebi-a-GCST90027161	3	18543913	T/C	0.647	0.353	0.030	0.010	0.004	20.717
rs56189237	ebi-a-GCST90027161	6	31328518	G/A	0.888	0.112	0.029	0.017	0.081	31.633
rs12939056	ebi-a-GCST90027161	17	7754993	G/A	0.480	0.480	0.028	0.010	0.006	22.467
rs6915572	ebi-a-GCST90027161	6	165086927	G/A	0.943	0.057	0.028	0.024	0.237	24.144
rs60054233	ebi-a-GCST90027161	1	34619464	T/C	0.690	0.310	0.028	0.011	0.011	22.527
rs12184585	ebi-a-GCST90027161	13	49986602	A/G	0.311	0.311	0.028	0.011	0.010	30.357
rs2181328	ebi-a-GCST90027161	13	49986118	A/G	0.311	0.311	0.027	0.011	0.011	40.869
rs9345501	ebi-a-GCST90027161	6	95269321	G/A	0.992	0.008	0.027	0.087	0.753	20.966
rs16975215	ebi-a-GCST90027161	18	39287601	G/A	0.940	0.060	0.026	0.023	0.243	20.840
rs10961944	ebi-a-GCST90027161	9	1535003	A/C	0.878	0.122	0.026	0.016	0.095	28.204
rs75268016	ebi-a-GCST90027161	10	126121946	A/C	0.871	0.129	0.026	0.015	0.079	21.680
rs72890684	ebi-a-GCST90027161	6	50795449	C/A	0.960	0.040	0.025	0.026	0.336	30.240
rs12727104	ebi-a-GCST90027161	1	171423167	G/A	0.909	0.091	0.025	0.018	0.160	21.959
rs7206833	ebi-a-GCST90027161	16	52989667	C/T	0.770	0.230	0.025	0.012	0.042	25.384
rs7873439	ebi-a-GCST90027161	9	129430338	G/A	0.867	0.133	0.024	0.014	0.081	23.417
rs7186295	ebi-a-GCST90027161	16	11210924	G/A	0.546	0.454	0.024	0.010	0.019	19.134
rs7684642	ebi-a-GCST90027161	4	57727455	C/T	0.752	0.248	0.023	0.012	0.055	22.617
rs35548939	ebi-a-GCST90027161	11	27464872	C/T	0.881	0.119	0.023	0.016	0.147	19.758
rs117933573	ebi-a-GCST90027161	21	16235764	G/A	0.976	0.024	0.023	0.035	0.515	20.974
rs2744822	ebi-a-GCST90027161	1	11378544	G/T	0.663	0.337	0.022	0.011	0.046	25.283
rs118010371	ebi-a-GCST90027161	7	131686733	C/T	0.950	0.050	0.022	0.022	0.308	21.457
rs11640905	ebi-a-GCST90027161	16	13746582	C/T	0.289	0.289	0.022	0.011	0.047	33.059
rs653266	ebi-a-GCST90027161	10	83072702	C/T	0.171	0.171	0.022	0.014	0.130	22.583
rs7973103	ebi-a-GCST90027161	12	124424636	C/T	0.847	0.153	0.021	0.015	0.164	23.646
rs807061	ebi-a-GCST90027161	1	26242882	G/A	0.248	0.248	0.021	0.012	0.085	20.020
rs115971006	ebi-a-GCST90027161	5	67832003	G/A	0.976	0.024	0.021	0.034	0.537	22.720
rs12945575	ebi-a-GCST90027161	17	40713071	C/T	0.767	0.233	0.021	0.012	0.090	30.266
rs11223617	ebi-a-GCST90027161	11	133780757	G/A	0.743	0.257	0.020	0.011	0.064	48.151
rs4491284	ebi-a-GCST90027161	12	97680832	G/A	0.739	0.262	0.020	0.012	0.083	22.344
rs11223617	ebi-a-GCST90027161	11	133780757	G/A	0.743	0.257	0.020	0.011	0.064	49.243
rs78873173	ebi-a-GCST90027161	2	80414593	G/A	0.929	0.071	0.020	0.022	0.351	24.250
rs4743653	ebi-a-GCST90027161	9	106360840	G/A	0.792	0.208	0.020	0.013	0.121	22.034
rs62244890	ebi-a-GCST90027161	3	71611630	T/C	0.606	0.394	0.020	0.011	0.060	35.920
rs9597846	ebi-a-GCST90027161	13	59360422	A/G	0.830	0.170	0.020	0.013	0.138	33.528
rs6567160	ebi-a-GCST90027161	18	57829135	T/C	0.790	0.210	0.019	0.013	0.136	43.706
rs6567160	ebi-a-GCST90027161	18	57829135	T/C	0.790	0.210	0.019	0.013	0.136	24.496
rs117386364	ebi-a-GCST90027161	13	70965793	G/A	0.952	0.048	0.018	0.024	0.435	22.538
rs8108871	ebi-a-GCST90027161	19	33850000	A/C	0.703	0.297	0.017	0.011	0.119	19.737
rs28929474	ebi-a-GCST90027161	14	94844947	C/T	0.980	0.020	0.017	0.037	0.643	39.903
rs9842406	ebi-a-GCST90027161	3	71553132	T/G	0.584	0.416	0.017	0.010	0.098	43.669
rs2237021	ebi-a-GCST90027161	4	55561067	T/C	0.509	0.491	0.017	0.010	0.098	33.276
rs4273169	ebi-a-GCST90027161	2	144231309	G/A	0.652	0.348	0.017	0.011	0.116	22.006
rs10819272	ebi-a-GCST90027161	9	129954334	T/C	0.551	0.449	0.016	0.010	0.114	21.032
rs1788030	ebi-a-GCST90027161	18	53045198	C/T	0.555	0.445	0.016	0.010	0.113	45.231
rs13024996	ebi-a-GCST90027161	2	144225215	C/A	0.653	0.347	0.016	0.011	0.132	42.893
rs1788030	ebi-a-GCST90027161	18	53045198	C/T	0.555	0.445	0.016	0.010	0.113	50.725
rs1177291	ebi-a-GCST90027161	2	61347589	C/T	0.947	0.053	0.016	0.023	0.488	21.247
rs7620978	ebi-a-GCST90027161	3	184057340	T/C	0.291	0.291	0.016	0.011	0.145	23.489
rs265521	ebi-a-GCST90027161	10	83098431	T/C	0.476	0.476	0.016	0.010	0.117	19.057
rs4417025	ebi-a-GCST90027161	1	35363679	G/A	0.681	0.319	0.016	0.011	0.165	20.838

rs42088	ebi-a-GCST90027161	7	27701861	G/A	0.673	0.327	0.016	0.011	0.147	28.522
rs13183615	ebi-a-GCST90027161	5	3432288	A/G	0.605	0.395	0.015	0.010	0.136	20.564
rs12081255	ebi-a-GCST90027161	1	220260202	G/A	0.952	0.049	0.015	0.023	0.518	19.157
rs35840311	ebi-a-GCST90027161	4	80191417	A/G	0.467	0.467	0.015	0.010	0.144	22.487
rs4480324	ebi-a-GCST90027161	1	4573099	A/G	0.268	0.268	0.015	0.012	0.209	45.829
rs1424213	ebi-a-GCST90027161	16	26236401	A/G	0.644	0.356	0.014	0.011	0.181	20.239
rs12593149	ebi-a-GCST90027161	15	86868108	G/A	0.568	0.432	0.014	0.010	0.166	33.580
rs4815364	ebi-a-GCST90027161	20	25035711	G/A	0.370	0.370	0.014	0.011	0.187	32.962
rs12697994	ebi-a-GCST90027161	7	156519519	G/A	0.703	0.297	0.014	0.011	0.215	21.258
rs547292	ebi-a-GCST90027161	11	78558239	G/T	0.711	0.289	0.014	0.011	0.216	25.539
rs45594438	ebi-a-GCST90027161	17	80048159	C/T	0.897	0.103	0.013	0.017	0.421	19.384
rs1507151	ebi-a-GCST90027161	6	79483246	T/C	0.612	0.388	0.013	0.010	0.202	21.716
rs919853	ebi-a-GCST90027161	4	35931731	T/C	0.784	0.216	0.013	0.013	0.290	27.099
rs13102973	ebi-a-GCST90027161	4	135900688	T/C	0.394	0.394	0.013	0.010	0.211	30.977
rs9685153	ebi-a-GCST90027161	4	135909243	A/G	0.394	0.394	0.013	0.010	0.226	25.671
rs66733424	ebi-a-GCST90027161	2	119615994	G/T	0.632	0.368	0.013	0.010	0.227	19.508
rs4822219	ebi-a-GCST90027161	22	43279807	C/T	0.587	0.413	0.012	0.011	0.239	20.959
rs6981293	ebi-a-GCST90027161	8	87212302	A/G	0.812	0.188	0.012	0.013	0.325	23.864
rs1568534	ebi-a-GCST90027161	2	202955820	G/A	0.559	0.441	0.012	0.010	0.229	19.626
rs1717076	ebi-a-GCST90027161	4	171154414	C/T	0.445	0.445	0.012	0.010	0.231	19.978
rs4726481	ebi-a-GCST90027161	7	141668403	G/T	0.626	0.374	0.012	0.011	0.269	44.573
rs4726481	ebi-a-GCST90027161	7	141668403	G/T	0.626	0.374	0.012	0.011	0.269	37.444
rs76887361	ebi-a-GCST90027161	20	15719984	G/T	0.970	0.030	0.012	0.039	0.767	21.424
rs2533196	ebi-a-GCST90027161	7	153489530	G/A	0.558	0.442	0.012	0.010	0.263	34.492
rs2533196	ebi-a-GCST90027161	7	153489530	G/A	0.558	0.442	0.012	0.010	0.263	41.569
rs10790456	ebi-a-GCST90027161	11	121624837	G/A	0.346	0.346	0.011	0.017	0.511	21.891
rs13020444	ebi-a-GCST90027161	2	161333557	T/C	0.741	0.259	0.011	0.012	0.329	24.328
rs1007407	ebi-a-GCST90027161	14	69446960	T/C	0.516	0.484	0.011	0.010	0.266	24.836
rs118063541	ebi-a-GCST90027161	11	11589549	T/C	0.949	0.051	0.011	0.024	0.651	20.745
rs928736	ebi-a-GCST90027161	21	34439889	C/T	0.301	0.301	0.011	0.011	0.331	38.117
rs2814162	ebi-a-GCST90027161	10	134001748	C/T	0.369	0.369	0.011	0.011	0.305	23.501
rs201438	ebi-a-GCST90027161	7	101735236	G/A	0.548	0.452	0.011	0.014	0.448	23.716
rs780094	ebi-a-GCST90027161	2	27741237	T/C	0.374	0.374	0.011	0.010	0.306	284.939
rs4788483	ebi-a-GCST90027161	16	72938014	T/C	0.724	0.277	0.011	0.012	0.368	21.523
rs2858088	ebi-a-GCST90027161	4	3268710	A/G	0.373	0.373	0.011	0.011	0.318	41.527
rs56149652	ebi-a-GCST90027161	19	40009396	A/G	0.733	0.268	0.011	0.011	0.352	27.758
rs2858088	ebi-a-GCST90027161	4	3268710	A/G	0.373	0.373	0.011	0.011	0.318	46.820
rs7514579	ebi-a-GCST90027161	1	94051350	A/C	0.778	0.222	0.010	0.013	0.410	32.816
rs165932	ebi-a-GCST90027161	14	73664853	G/T	0.474	0.474	0.010	0.010	0.316	20.265
rs10847019	ebi-a-GCST90027161	12	126425519	G/T	0.979	0.021	0.010	0.035	0.773	19.589
rs6824562	ebi-a-GCST90027161	4	68058029	T/C	0.525	0.475	0.010	0.010	0.337	27.770
rs7933350	ebi-a-GCST90027161	11	82651993	G/A	0.437	0.437	0.010	0.010	0.331	29.161
rs1291133	ebi-a-GCST90027161	20	35512648	A/G	0.364	0.364	0.010	0.011	0.346	25.298
rs12415740	ebi-a-GCST90027161	10	125167670	C/T	0.872	0.128	0.010	0.015	0.526	25.994
rs12467407	ebi-a-GCST90027161	2	30507340	C/T	0.541	0.459	0.010	0.010	0.335	24.025
rs9343	ebi-a-GCST90027161	3	195960225	A/G	0.539	0.461	0.009	0.010	0.356	24.125
rs2589019	ebi-a-GCST90027161	18	36957555	G/A	0.755	0.245	0.009	0.012	0.426	20.085
rs828867	ebi-a-GCST90027161	2	74334462	G/A	0.429	0.429	0.009	0.010	0.377	39.529
rs56194430	ebi-a-GCST90027161	5	67824690	C/T	0.852	0.148	0.009	0.015	0.557	19.989
rs13017956	ebi-a-GCST90027161	2	184982657	G/A	0.821	0.179	0.009	0.013	0.502	24.662

rs1490492	ebi-a-GCST90027161	4	172556727	C/T	0.313	0.313	0.009	0.011	0.453	19.758
rs1490492	ebi-a-GCST90027161	4	172556727	C/T	0.313	0.313	0.009	0.011	0.453	22.018
rs1073193	ebi-a-GCST90027161	5	166846744	T/C	0.488	0.488	0.008	0.011	0.430	21.950
rs194868	ebi-a-GCST90027161	7	103790469	T/C	0.521	0.479	0.008	0.010	0.406	44.532
rs4970350	ebi-a-GCST90027161	1	972180	G/A	0.434	0.434	0.008	0.010	0.417	20.176
rs56030824	ebi-a-GCST90027161	11	47397353	G/A	0.677	0.323	0.008	0.011	0.441	65.461
rs8016984	ebi-a-GCST90027161	14	91533162	C/T	0.485	0.485	0.008	0.010	0.425	20.560
rs6713570	ebi-a-GCST90027161	2	133535216	G/A	0.537	0.463	0.008	0.010	0.424	22.328
rs79868086	ebi-a-GCST90027161	2	99327364	C/T	0.931	0.069	0.008	0.022	0.711	22.753
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	286.292
rs1468967	ebi-a-GCST90027161	18	26672607	G/A	0.369	0.369	0.008	0.010	0.455	21.012
rs12245197	ebi-a-GCST90027161	10	53680107	C/T	0.516	0.484	0.008	0.010	0.450	22.225
rs111880612	ebi-a-GCST90027161	6	39561463	T/G	0.968	0.033	0.008	0.029	0.792	18.947
rs2055581	ebi-a-GCST90027161	6	91643609	G/A	0.734	0.267	0.008	0.012	0.520	19.394
rs9313379	ebi-a-GCST90027161	5	166840321	G/A	0.484	0.484	0.008	0.011	0.469	26.028
rs4729573	ebi-a-GCST90027161	7	99665798	C/T	0.740	0.260	0.007	0.012	0.525	20.601
rs995689	ebi-a-GCST90027161	5	121422057	G/A	0.190	0.190	0.007	0.013	0.572	21.038
rs2586462	ebi-a-GCST90027161	17	48233010	A/G	0.146	0.146	0.007	0.014	0.613	25.484
rs62442924	ebi-a-GCST90027161	7	1989976	C/T	0.764	0.236	0.007	0.011	0.524	44.554
rs2943659	ebi-a-GCST90027161	2	227125254	G/A	0.372	0.372	0.007	0.010	0.509	28.679
rs2943657	ebi-a-GCST90027161	2	227123439	C/T	0.372	0.372	0.007	0.010	0.506	22.726
rs150578239	ebi-a-GCST90027161	12	23477331	G/A	0.979	0.021	0.007	0.034	0.844	24.332
rs77123275	ebi-a-GCST90027161	9	77074097	C/T	0.944	0.056	0.007	0.021	0.752	36.031
rs199946	ebi-a-GCST90027161	1	181598815	C/A	0.150	0.150	0.007	0.014	0.648	24.819
rs11917695	ebi-a-GCST90027161	3	35030173	C/T	0.863	0.137	0.007	0.014	0.642	19.756
rs78848836	ebi-a-GCST90027161	1	53773248	G/A	0.907	0.093	0.007	0.018	0.713	23.097
rs10956847	ebi-a-GCST90027161	8	93498901	T/C	0.765	0.235	0.007	0.012	0.589	27.000
rs296208	ebi-a-GCST90027161	5	106152478	A/G	0.125	0.125	0.006	0.015	0.664	18.366
rs9866322	ebi-a-GCST90027161	3	85650004	T/C	0.783	0.217	0.006	0.013	0.625	44.543
rs7675258	ebi-a-GCST90027161	4	77413179	G/A	0.473	0.473	0.006	0.010	0.542	21.791
rs9866322	ebi-a-GCST90027161	3	85650004	T/C	0.783	0.217	0.006	0.013	0.625	67.258
rs2525570	ebi-a-GCST90027161	17	29681245	A/G	0.411	0.411	0.006	0.010	0.560	31.260
rs1431558	ebi-a-GCST90027161	4	90091785	C/T	0.693	0.307	0.006	0.011	0.601	23.920
rs1788820	ebi-a-GCST90027161	18	21101944	A/G	0.342	0.342	0.006	0.011	0.597	51.967
rs13241159	ebi-a-GCST90027161	7	85048506	T/C	0.556	0.444	0.005	0.011	0.607	21.025
rs9400690	ebi-a-GCST90027161	6	114346852	A/G	0.779	0.221	0.005	0.012	0.671	21.695
rs11221547	ebi-a-GCST90027161	11	99701653	T/C	0.801	0.199	0.005	0.012	0.674	19.943
rs28787109	ebi-a-GCST90027161	1	51218695	G/A	0.666	0.334	0.005	0.011	0.643	21.767
rs4739105	ebi-a-GCST90027161	8	64496159	T/C	0.209	0.209	0.005	0.013	0.682	34.540
rs62037863	ebi-a-GCST90027161	15	31508056	G/A	0.911	0.089	0.005	0.017	0.767	26.008
rs17780189	ebi-a-GCST90027161	17	70624031	T/C	0.803	0.197	0.005	0.013	0.680	20.279
rs2959005	ebi-a-GCST90027161	15	74618128	C/T	0.320	0.320	0.005	0.011	0.633	36.832
rs62037863	ebi-a-GCST90027161	15	31508056	G/A	0.911	0.089	0.005	0.017	0.767	20.431
rs12124523	ebi-a-GCST90027161	1	72621463	C/T	0.897	0.104	0.005	0.017	0.771	23.619
rs34088692	ebi-a-GCST90027161	11	115567109	T/G	0.775	0.225	0.005	0.012	0.674	20.193
rs10932865	ebi-a-GCST90027161	2	221337719	A/G	0.378	0.378	0.005	0.011	0.638	24.847
rs6819372	ebi-a-GCST90027161	4	67970101	A/G	0.510	0.491	0.005	0.010	0.634	26.543
rs2070865	ebi-a-GCST90027161	21	40715519	C/T	0.498	0.498	0.005	0.010	0.643	20.983
rs489062	ebi-a-GCST90027161	10	99715744	G/A	0.565	0.435	0.005	0.010	0.646	31.417
rs6982152	ebi-a-GCST90027161	8	64779013	T/C	0.219	0.219	0.005	0.013	0.713	20.947

rs10222924	ebi-a-GCST90027161	4	49016761	A/G	0.283	0.283	0.005	0.011	0.687	20.767
rs9874426	ebi-a-GCST90027161	3	74722915	C/T	0.525	0.475	0.005	0.010	0.658	22.880
rs2411453	ebi-a-GCST90027161	16	28632021	T/G	0.432	0.432	0.004	0.010	0.675	116.193
rs4957625	ebi-a-GCST90027161	5	111239965	T/C	0.362	0.362	0.004	0.010	0.680	25.029
rs62377627	ebi-a-GCST90027161	5	105682276	G/A	0.576	0.424	0.004	0.010	0.675	21.903
rs62466318	ebi-a-GCST90027161	7	73042085	C/T	0.803	0.197	0.004	0.013	0.736	54.353
rs28866186	ebi-a-GCST90027161	4	42532755	C/T	0.982	0.018	0.004	0.040	0.917	26.764
rs156003	ebi-a-GCST90027161	5	95782290	G/A	0.595	0.405	0.004	0.010	0.682	21.715
rs34060476	ebi-a-GCST90027161	7	73037956	A/G	0.867	0.133	0.004	0.015	0.790	45.372
rs4705114	ebi-a-GCST90027161	5	149589313	G/A	0.561	0.439	0.004	0.010	0.709	20.700
rs13124335	ebi-a-GCST90027161	4	179027704	T/C	0.843	0.157	0.004	0.014	0.794	20.007
rs11072479	ebi-a-GCST90027161	15	74649262	T/C	0.270	0.270	0.004	0.012	0.753	24.559
rs60815182	ebi-a-GCST90027161	17	7604471	A/G	0.814	0.186	0.004	0.013	0.773	36.711
rs12327410	ebi-a-GCST90027161	18	32906631	A/G	0.670	0.330	0.004	0.011	0.742	24.237
rs10753661	ebi-a-GCST90027161	1	165119792	G/A	0.307	0.307	0.004	0.011	0.758	22.779
rs78872050	ebi-a-GCST90027161	8	131767568	A/G	0.943	0.057	0.003	0.023	0.880	19.679
rs12887002	ebi-a-GCST90027161	14	61866510	C/T	0.747	0.253	0.003	0.012	0.775	24.884
rs911475	ebi-a-GCST90027161	6	109263187	C/T	0.856	0.145	0.003	0.015	0.819	30.876
rs10752651	ebi-a-GCST90027161	9	92201811	C/T	0.472	0.472	0.003	0.010	0.743	32.326
rs825586	ebi-a-GCST90027161	16	87669882	A/G	0.289	0.289	0.003	0.011	0.772	26.909
rs1968955	ebi-a-GCST90027161	1	79352557	A/G	0.464	0.464	0.003	0.010	0.744	20.061
rs825586	ebi-a-GCST90027161	16	87669882	A/G	0.289	0.289	0.003	0.011	0.772	25.397
rs1355819	ebi-a-GCST90027161	2	101312468	A/C	0.833	0.167	0.003	0.014	0.816	20.874
rs58905411	ebi-a-GCST90027161	12	54623132	G/A	0.560	0.440	0.003	0.010	0.759	69.107
rs1056010	ebi-a-GCST90027161	12	54626752	T/C	0.560	0.440	0.003	0.010	0.768	43.419
rs61923066	ebi-a-GCST90027161	12	60551809	A/G	0.513	0.487	0.003	0.010	0.765	24.445
rs6937318	ebi-a-GCST90027161	6	32024832	T/C	0.466	0.466	0.003	0.010	0.767	31.725
rs6887940	ebi-a-GCST90027161	5	144204346	G/A	0.476	0.476	0.003	0.010	0.775	41.840
rs1891196	ebi-a-GCST90027161	1	208718672	A/G	0.572	0.428	0.003	0.010	0.773	22.063
rs58966101	ebi-a-GCST90027161	8	5062372	A/G	0.835	0.165	0.003	0.014	0.844	24.740
rs6889428	ebi-a-GCST90027161	5	13750975	T/C	0.624	0.376	0.002	0.011	0.826	22.112
rs4284578	ebi-a-GCST90027161	15	49305805	T/C	0.344	0.344	0.002	0.011	0.833	32.346
rs7630012	ebi-a-GCST90027161	3	38552250	A/G	0.568	0.432	0.002	0.010	0.834	33.274
rs7630012	ebi-a-GCST90027161	3	38552250	A/G	0.568	0.432	0.002	0.010	0.834	35.967
rs7466239	ebi-a-GCST90027161	9	108707126	C/T	0.870	0.130	0.002	0.019	0.912	21.721
rs1004787	ebi-a-GCST90027161	2	45159091	G/A	0.434	0.434	0.002	0.010	0.846	58.248
rs117796234	ebi-a-GCST90027161	9	77252874	G/A	0.946	0.054	0.002	0.022	0.929	20.775
rs1004787	ebi-a-GCST90027161	2	45159091	G/A	0.434	0.434	0.002	0.010	0.846	78.689
rs80251022	ebi-a-GCST90027161	1	93514059	G/T	0.916	0.084	0.002	0.020	0.919	28.071
rs10876008	ebi-a-GCST90027161	12	39126750	T/C	0.559	0.442	0.002	0.010	0.855	22.875
rs4844948	ebi-a-GCST90027161	1	210306844	A/C	0.452	0.452	0.002	0.010	0.866	28.895
rs10932536	ebi-a-GCST90027161	2	215369762	T/C	0.490	0.490	0.002	0.010	0.869	22.535
rs10043587	ebi-a-GCST90027161	5	144130459	A/G	0.488	0.488	0.002	0.010	0.873	29.395
rs3851181	ebi-a-GCST90027161	11	85906129	T/C	0.455	0.455	0.001	0.011	0.897	23.556
rs6436555	ebi-a-GCST90027161	2	157488277	A/C	0.487	0.487	0.001	0.010	0.899	19.376
rs9690021	ebi-a-GCST90027161	7	15444537	G/T	0.505	0.495	0.001	0.010	0.898	22.849
rs13336260	ebi-a-GCST90027161	16	757459	A/C	0.751	0.249	0.001	0.012	0.915	23.704
rs6471343	ebi-a-GCST90027161	8	93363358	T/G	0.317	0.317	0.001	0.011	0.917	27.050
rs9881641	ebi-a-GCST90027161	3	117602500	C/T	0.283	0.283	0.001	0.012	0.926	23.802
rs9809760	ebi-a-GCST90027161	3	117599116	T/C	0.546	0.454	0.001	0.010	0.920	26.391

rs2206751	ebi-a-GCST90027161	20	22095328	C/T	0.704	0.297	0.001	0.011	0.934	23.678
rs2079227	ebi-a-GCST90027161	11	17832000	G/A	0.539	0.461	0.001	0.010	0.938	32.383
rs13175861	ebi-a-GCST90027161	5	114288319	A/G	0.540	0.460	0.001	0.010	0.948	22.506
rs11782346	ebi-a-GCST90027161	8	136035110	A/G	0.649	0.351	0.001	0.011	0.954	22.361
rs9349379	ebi-a-GCST90027161	6	12903957	A/G	0.572	0.428	0.001	0.010	0.955	38.468
rs9349379	ebi-a-GCST90027161	6	12903957	A/G	0.572	0.428	0.001	0.010	0.955	45.894
rs801925	ebi-a-GCST90027161	2	125010912	A/G	0.324	0.324	0.001	0.011	0.965	26.174
rs6793693	ebi-a-GCST90027161	3	161290167	A/G	0.588	0.412	0.000	0.010	0.972	22.960
rs6864478	ebi-a-GCST90027161	5	38922826	A/G	0.566	0.434	0.000	0.010	0.972	20.702
rs3199	ebi-a-GCST90027161	15	56929776	T/C	0.147	0.147	0.000	0.014	0.984	22.968
rs7620901	ebi-a-GCST90027161	3	161307316	C/T	0.588	0.412	0.000	0.010	0.976	24.727
rs13357015	ebi-a-GCST90027161	5	80263403	G/A	0.368	0.368	0.000	0.011	0.981	19.089
rs838145	ebi-a-GCST90027161	19	49248730	G/A	0.397	0.397	0.000	0.011	0.983	62.970
rs141769737	ebi-a-GCST90027161	19	42606037	G/A	0.902	0.098	0.000	0.018	0.991	28.077
rs838145	ebi-a-GCST90027161	19	49248730	G/A	0.397	0.397	0.000	0.011	0.983	51.056
rs7680631	ebi-a-GCST90027161	4	143622796	C/T	0.279	0.279	0.000	0.012	0.982	29.034
rs11787216	ebi-a-GCST90027161	8	142615222	C/T	0.631	0.369	-0.001	0.011	0.953	56.173
rs720717	ebi-a-GCST90027161	16	10110627	G/A	0.267	0.267	-0.001	0.011	0.955	21.521
rs11787216	ebi-a-GCST90027161	8	142615222	C/T	0.631	0.369	-0.001	0.011	0.953	42.667
rs28741121	ebi-a-GCST90027161	22	42025823	G/A	0.833	0.167	-0.001	0.014	0.952	34.499
rs4804037	ebi-a-GCST90027161	19	47781025	A/G	0.563	0.437	-0.001	0.011	0.943	27.069
rs3857984	ebi-a-GCST90027161	9	133776543	A/G	0.552	0.448	-0.001	0.010	0.928	23.377
rs61873510	ebi-a-GCST90027161	10	102626510	G/T	0.682	0.318	-0.001	0.011	0.936	34.046
rs61873510	ebi-a-GCST90027161	10	102626510	G/T	0.682	0.318	-0.001	0.011	0.936	47.505
rs67486429	ebi-a-GCST90027161	9	28228978	T/C	0.710	0.290	-0.001	0.011	0.928	20.351
rs7854879	ebi-a-GCST90027161	9	11104838	G/A	0.801	0.199	-0.001	0.013	0.938	22.696
rs12619354	ebi-a-GCST90027161	2	194002782	T/C	0.640	0.360	-0.001	0.011	0.921	27.323
rs2688388	ebi-a-GCST90027161	8	3874384	G/A	0.255	0.255	-0.001	0.012	0.927	18.975
rs281296	ebi-a-GCST90027161	15	47685010	G/A	0.667	0.333	-0.001	0.011	0.920	27.552
rs11700855	ebi-a-GCST90027161	21	34270051	A/G	0.900	0.100	-0.001	0.017	0.944	30.175
rs4757589	ebi-a-GCST90027161	11	17810960	T/C	0.547	0.453	-0.001	0.010	0.907	27.360
rs9372625	ebi-a-GCST90027161	6	98344031	G/A	0.650	0.350	-0.001	0.011	0.912	65.825
rs112178027	ebi-a-GCST90027161	17	27564013	C/T	0.852	0.148	-0.001	0.015	0.933	28.986
rs148872053	ebi-a-GCST90027161	4	92152731	T/C	0.980	0.020	-0.001	0.031	0.964	20.927
rs11712750	ebi-a-GCST90027161	3	150668987	A/G	0.615	0.385	-0.002	0.011	0.877	23.625
rs11712750	ebi-a-GCST90027161	3	150668987	A/G	0.615	0.385	-0.002	0.011	0.877	24.283
rs2274793	ebi-a-GCST90027161	14	57283968	C/T	0.669	0.331	-0.002	0.011	0.869	36.898
rs1937522	ebi-a-GCST90027161	13	68080817	A/G	0.491	0.491	-0.002	0.010	0.849	26.934
rs12030672	ebi-a-GCST90027161	1	50735395	C/A	0.725	0.275	-0.002	0.011	0.867	28.982
rs12135662	ebi-a-GCST90027161	1	216696766	G/A	0.700	0.300	-0.002	0.011	0.868	21.984
rs1937522	ebi-a-GCST90027161	13	68080817	A/G	0.491	0.491	-0.002	0.010	0.849	49.791
rs9561114	ebi-a-GCST90027161	13	93350177	T/G	0.768	0.232	-0.002	0.015	0.897	22.944
rs13092820	ebi-a-GCST90027161	3	39207270	A/G	0.533	0.467	-0.002	0.010	0.848	26.357
rs2302222	ebi-a-GCST90027161	19	5995582	T/C	0.659	0.342	-0.002	0.011	0.852	24.130
rs34484751	ebi-a-GCST90027161	12	123652527	A/C	0.975	0.025	-0.002	0.035	0.954	26.223
rs2287716	ebi-a-GCST90027161	5	180666276	A/G	0.869	0.131	-0.002	0.016	0.887	20.274
rs61885158	ebi-a-GCST90027161	11	70454925	G/A	0.841	0.159	-0.002	0.014	0.865	20.728
rs6500247	ebi-a-GCST90027161	16	49774306	A/G	0.468	0.468	-0.003	0.010	0.805	19.864
rs12678390	ebi-a-GCST90027161	8	21004360	T/C	0.692	0.308	-0.003	0.011	0.814	26.389
rs34473884	ebi-a-GCST90027161	10	133761285	G/A	0.759	0.241	-0.003	0.012	0.822	31.401

rs9615905	ebi-a-GCST90027161	22	48875699	C/T	0.554	0.446	-0.003	0.011	0.782	29.781
rs4922819	ebi-a-GCST90027161	11	29349419	A/G	0.686	0.314	-0.003	0.011	0.782	23.125
rs331393	ebi-a-GCST90027161	5	91008758	T/G	0.478	0.478	-0.003	0.010	0.750	19.594
rs113784412	ebi-a-GCST90027161	2	228997531	C/T	0.682	0.318	-0.003	0.011	0.764	28.632
rs1022528	ebi-a-GCST90027161	1	71490122	G/A	0.627	0.373	-0.003	0.010	0.743	33.866
rs9905730	ebi-a-GCST90027161	17	57702853	T/G	0.263	0.263	-0.004	0.011	0.755	27.297
rs7002798	ebi-a-GCST90027161	8	103537632	A/G	0.679	0.321	-0.004	0.011	0.734	19.126
rs2423617	ebi-a-GCST90027161	20	11802439	A/G	0.562	0.438	-0.004	0.010	0.700	23.354
rs12756299	ebi-a-GCST90027161	1	7758760	T/C	0.498	0.498	-0.004	0.010	0.685	24.434
rs17698314	ebi-a-GCST90027161	14	56846715	C/A	0.723	0.277	-0.004	0.011	0.718	31.377
rs2799056	ebi-a-GCST90027161	1	940005	A/G	0.592	0.408	-0.004	0.010	0.695	36.745
rs8056916	ebi-a-GCST90027161	16	13008716	A/C	0.858	0.142	-0.004	0.014	0.775	19.445
rs1333958	ebi-a-GCST90027161	6	163233261	C/A	0.678	0.322	-0.004	0.011	0.689	19.307
rs2310752	ebi-a-GCST90027161	1	66392405	G/A	0.589	0.411	-0.004	0.010	0.683	24.367
rs7009797	ebi-a-GCST90027161	8	140792787	A/C	0.255	0.255	-0.004	0.012	0.708	25.664
rs67822265	ebi-a-GCST90027161	2	53715939	C/T	0.630	0.370	-0.005	0.011	0.667	18.530
rs11615759	ebi-a-GCST90027161	12	23743029	A/G	0.863	0.137	-0.005	0.015	0.748	19.757
rs2238660	ebi-a-GCST90027161	19	19003209	A/G	0.884	0.116	-0.005	0.017	0.781	20.350
rs4739279	ebi-a-GCST90027161	8	21000968	A/C	0.698	0.302	-0.005	0.011	0.657	27.579
rs10188314	ebi-a-GCST90027161	2	215402926	C/T	0.509	0.491	-0.005	0.010	0.624	31.739
rs78225463	ebi-a-GCST90027161	7	150602689	A/G	0.767	0.233	-0.005	0.013	0.695	21.940
rs4851300	ebi-a-GCST90027161	2	100958804	C/A	0.665	0.335	-0.005	0.011	0.642	20.323
rs200366	ebi-a-GCST90027161	20	22260551	A/G	0.506	0.494	-0.005	0.010	0.611	20.957
rs891389	ebi-a-GCST90027161	18	21087531	C/T	0.658	0.343	-0.005	0.011	0.613	67.843
rs33705	ebi-a-GCST90027161	5	87504285	T/C	0.356	0.356	-0.006	0.011	0.597	45.049
rs118188698	ebi-a-GCST90027161	15	77164686	T/C	0.936	0.064	-0.006	0.020	0.777	36.356
rs118188698	ebi-a-GCST90027161	15	77164686	T/C	0.936	0.064	-0.006	0.020	0.777	41.003
rs1055595	ebi-a-GCST90027161	9	92213923	T/G	0.492	0.492	-0.006	0.010	0.557	27.347
rs6750325	ebi-a-GCST90027161	2	211501333	G/T	0.566	0.434	-0.006	0.010	0.568	28.986
rs10927841	ebi-a-GCST90027161	1	16045261	T/C	0.733	0.267	-0.006	0.011	0.596	21.484
rs1228589	ebi-a-GCST90027161	3	131634826	G/A	0.760	0.240	-0.006	0.012	0.604	31.522
rs17690703	ebi-a-GCST90027161	17	43925297	C/T	0.798	0.203	-0.006	0.014	0.641	57.195
rs62439319	ebi-a-GCST90027161	7	20918739	C/T	0.866	0.134	-0.006	0.015	0.671	23.451
rs12895346	ebi-a-GCST90027161	14	94297613	T/G	0.739	0.261	-0.007	0.012	0.594	20.558
rs4333198	ebi-a-GCST90027161	4	130232642	C/T	0.243	0.243	-0.007	0.012	0.593	20.602
rs7460106	ebi-a-GCST90027161	8	143534777	T/C	0.756	0.244	-0.007	0.012	0.579	29.836
rs2368491	ebi-a-GCST90027161	2	241168323	T/C	0.387	0.387	-0.007	0.011	0.536	26.220
rs7699736	ebi-a-GCST90027161	4	110576703	G/A	0.322	0.322	-0.007	0.011	0.526	22.322
rs4749973	ebi-a-GCST90027161	10	10655038	A/G	0.198	0.198	-0.007	0.013	0.583	23.210
rs7948028	ebi-a-GCST90027161	11	113328681	A/C	0.694	0.306	-0.007	0.012	0.549	29.010
rs801733	ebi-a-GCST90027161	11	65934549	A/C	0.717	0.283	-0.007	0.015	0.632	25.066
rs117225260	ebi-a-GCST90027161	13	71556486	C/T	0.961	0.039	-0.008	0.029	0.796	21.538
rs1286254	ebi-a-GCST90027161	14	91355256	C/T	0.441	0.441	-0.008	0.010	0.451	27.932
rs4733067	ebi-a-GCST90027161	8	30856943	A/G	0.395	0.395	-0.008	0.011	0.465	30.776
rs10772966	ebi-a-GCST90027161	12	16960793	C/T	0.407	0.407	-0.008	0.010	0.453	24.822
rs6136465	ebi-a-GCST90027161	20	18659394	G/A	0.621	0.379	-0.008	0.011	0.445	32.803
rs2042073	ebi-a-GCST90027161	8	30835535	A/G	0.387	0.387	-0.008	0.011	0.446	33.170
rs59950280	ebi-a-GCST90027161	4	3452345	G/A	0.699	0.301	-0.008	0.011	0.476	21.937
rs2535911	ebi-a-GCST90027161	14	73523162	C/T	0.613	0.388	-0.008	0.010	0.415	29.448
rs7038598	ebi-a-GCST90027161	9	120086041	T/G	0.507	0.493	-0.009	0.010	0.400	20.420

rs74679146	ebi-a-GCST90027161	9	16287769	T/C	0.925	0.075	-0.009	0.019	0.655	24.798
rs62136829	ebi-a-GCST90027161	2	44136481	C/T	0.955	0.045	-0.009	0.027	0.751	45.683
rs74424378	ebi-a-GCST90027161	9	109331094	T/G	0.759	0.241	-0.009	0.012	0.456	23.792
rs74424378	ebi-a-GCST90027161	9	109331094	T/G	0.759	0.241	-0.009	0.012	0.456	34.315
rs4982052	ebi-a-GCST90027161	14	33588166	A/G	0.660	0.340	-0.009	0.011	0.395	21.493
rs11125160	ebi-a-GCST90027161	2	23891759	G/A	0.289	0.289	-0.010	0.012	0.409	30.341
rs7932314	ebi-a-GCST90027161	11	16407902	A/G	0.277	0.277	-0.010	0.011	0.368	20.044
rs55797392	ebi-a-GCST90027161	17	47055622	G/A	0.598	0.402	-0.010	0.010	0.329	30.133
rs9961441	ebi-a-GCST90027161	18	40832926	A/G	0.633	0.367	-0.010	0.010	0.326	27.939
rs6460087	ebi-a-GCST90027161	7	74065589	A/G	0.476	0.476	-0.010	0.011	0.345	24.031
rs34517439	ebi-a-GCST90027161	1	78450517	C/A	0.877	0.123	-0.011	0.016	0.472	25.811
rs74427815	ebi-a-GCST90027161	15	61837086	C/T	0.963	0.037	-0.011	0.032	0.723	21.525
rs10278679	ebi-a-GCST90027161	7	44865064	A/G	0.552	0.448	-0.011	0.010	0.267	25.761
rs322776	ebi-a-GCST90027161	7	127759841	T/G	0.455	0.455	-0.012	0.010	0.258	24.002
rs4412427	ebi-a-GCST90027161	9	122341917	C/T	0.827	0.174	-0.012	0.014	0.427	27.179
rs322776	ebi-a-GCST90027161	7	127759841	T/G	0.455	0.455	-0.012	0.010	0.258	29.759
rs1493776	ebi-a-GCST90027161	12	92164075	G/A	0.394	0.394	-0.012	0.011	0.269	19.090
rs4670067	ebi-a-GCST90027161	2	15165699	T/C	0.245	0.245	-0.012	0.012	0.337	23.014
rs13144474	ebi-a-GCST90027161	4	113418638	T/C	0.483	0.483	-0.012	0.010	0.239	20.080
rs996083	ebi-a-GCST90027161	11	41444374	T/C	0.498	0.498	-0.012	0.010	0.242	19.380
rs565078	ebi-a-GCST90027161	15	54671222	C/T	0.492	0.492	-0.012	0.010	0.240	23.096
rs10109931	ebi-a-GCST90027161	8	144670451	C/T	0.156	0.156	-0.012	0.014	0.372	27.914
rs34319231	ebi-a-GCST90027161	12	39078700	G/A	0.863	0.137	-0.012	0.015	0.401	23.490
rs1421085	ebi-a-GCST90027161	16	53800954	T/C	0.584	0.416	-0.012	0.010	0.223	55.614
rs630372	ebi-a-GCST90027161	1	177885762	G/A	0.817	0.183	-0.013	0.017	0.474	24.573
rs56094641	ebi-a-GCST90027161	16	53806453	A/G	0.583	0.417	-0.013	0.010	0.218	41.271
rs11940694	ebi-a-GCST90027161	4	39414993	A/G	0.378	0.378	-0.013	0.011	0.237	224.727
rs11940694	ebi-a-GCST90027161	4	39414993	A/G	0.378	0.378	-0.013	0.011	0.237	273.522
rs1490036	ebi-a-GCST90027161	12	92220002	A/G	0.320	0.320	-0.013	0.011	0.239	25.115
rs2530482	ebi-a-GCST90027161	7	74300890	A/C	0.375	0.375	-0.013	0.016	0.409	35.445
rs6030200	ebi-a-GCST90027161	20	35554361	G/A	0.654	0.346	-0.014	0.011	0.203	33.790
rs956752	ebi-a-GCST90027161	2	173720268	A/G	0.905	0.095	-0.014	0.017	0.435	21.582
rs6565156	ebi-a-GCST90027161	16	83267198	T/C	0.662	0.338	-0.014	0.011	0.216	22.081
rs12054747	ebi-a-GCST90027161	5	52786075	C/T	0.792	0.208	-0.014	0.013	0.282	23.499
rs11109118	ebi-a-GCST90027161	12	97980652	A/C	0.831	0.169	-0.014	0.013	0.296	19.062
rs2244598	ebi-a-GCST90027161	1	216681000	T/C	0.391	0.391	-0.014	0.011	0.189	34.147
rs35391268	ebi-a-GCST90027161	17	57769998	A/G	0.338	0.338	-0.014	0.011	0.187	24.949
rs17177078	ebi-a-GCST90027161	16	24810681	C/T	0.940	0.060	-0.014	0.021	0.493	36.174
rs2453875	ebi-a-GCST90027161	12	23065782	A/G	0.745	0.255	-0.015	0.012	0.215	21.613
rs2302911	ebi-a-GCST90027161	2	211455281	A/G	0.511	0.489	-0.015	0.010	0.141	29.501
rs57487499	ebi-a-GCST90027161	5	25096231	A/G	0.719	0.281	-0.016	0.011	0.164	19.149
rs12976458	ebi-a-GCST90027161	19	19860880	G/A	0.739	0.261	-0.016	0.011	0.173	22.405
rs41851	ebi-a-GCST90027161	7	69013219	T/G	0.736	0.264	-0.016	0.012	0.176	27.564
rs6102221	ebi-a-GCST90027161	20	39559581	A/G	0.962	0.038	-0.016	0.027	0.564	21.577
rs13410363	ebi-a-GCST90027161	2	30499630	G/A	0.838	0.162	-0.016	0.014	0.250	23.511
rs11176488	ebi-a-GCST90027161	12	67327752	T/C	0.658	0.342	-0.016	0.011	0.137	28.663
rs262240	ebi-a-GCST90027161	3	68408109	C/T	0.567	0.434	-0.016	0.010	0.122	26.258
rs61880359	ebi-a-GCST90027161	11	45364430	C/T	0.763	0.237	-0.016	0.012	0.179	21.398
rs6427160	ebi-a-GCST90027161	1	168892181	T/C	0.574	0.426	-0.017	0.010	0.100	21.761
rs71315969	ebi-a-GCST90027161	3	163030038	A/G	0.945	0.055	-0.017	0.023	0.450	20.263

rs1397132	ebi-a-GCST90027161	16	62054665	T/C	0.425	0.425	-0.018	0.010	0.090	29.433
rs34908430	ebi-a-GCST90027161	7	20824614	C/T	0.690	0.310	-0.018	0.011	0.109	24.806
rs35572189	ebi-a-GCST90027161	17	79419025	G/A	0.623	0.377	-0.018	0.011	0.099	38.597
rs1515590	ebi-a-GCST90027161	3	174213977	C/T	0.595	0.406	-0.018	0.010	0.085	27.651
rs2023642	ebi-a-GCST90027161	11	113684215	C/A	0.760	0.240	-0.018	0.012	0.135	22.440
rs11720995	ebi-a-GCST90027161	3	174181139	C/T	0.624	0.376	-0.018	0.010	0.082	20.160
rs2032563	ebi-a-GCST90027161	1	7801288	G/A	0.802	0.198	-0.018	0.013	0.154	26.029
rs3862642	ebi-a-GCST90027161	11	126605034	T/C	0.370	0.370	-0.018	0.011	0.084	26.626
rs74894391	ebi-a-GCST90027161	17	60198760	A/G	0.827	0.173	-0.018	0.013	0.156	18.831
rs2824052	ebi-a-GCST90027161	21	18171830	T/C	0.674	0.326	-0.019	0.011	0.076	20.035
rs324012	ebi-a-GCST90027161	12	57502981	C/T	0.526	0.475	-0.019	0.010	0.060	26.255
rs324012	ebi-a-GCST90027161	12	57502981	C/T	0.526	0.475	-0.019	0.010	0.060	33.812
rs28412070	ebi-a-GCST90027161	8	544984	C/T	0.681	0.319	-0.019	0.011	0.082	20.171
rs57688343	ebi-a-GCST90027161	8	143224135	A/G	0.868	0.132	-0.020	0.015	0.178	21.826
rs2756185	ebi-a-GCST90027161	6	43239166	G/A	0.930	0.070	-0.020	0.020	0.301	21.078
rs1942965	ebi-a-GCST90027161	18	55032486	T/C	0.533	0.467	-0.022	0.010	0.038	24.102
rs1942965	ebi-a-GCST90027161	18	55032486	T/C	0.533	0.467	-0.022	0.010	0.038	23.899
rs55932213	ebi-a-GCST90027161	9	108755622	A/G	0.260	0.260	-0.022	0.012	0.063	33.206
rs8133767	ebi-a-GCST90027161	21	46485239	T/C	0.906	0.094	-0.022	0.017	0.198	23.135
rs55787781	ebi-a-GCST90027161	11	69810666	A/G	0.894	0.106	-0.022	0.017	0.202	28.655
rs145898511	ebi-a-GCST90027161	3	101181250	T/G	0.969	0.031	-0.022	0.026	0.404	25.964
rs62339673	ebi-a-GCST90027161	4	184828533	C/A	0.358	0.358	-0.023	0.011	0.037	29.119
rs62339673	ebi-a-GCST90027161	4	184828533	C/A	0.358	0.358	-0.023	0.011	0.037	25.166
rs150702313	ebi-a-GCST90027161	11	77270442	G/A	0.901	0.099	-0.023	0.016	0.168	19.942
rs113011189	ebi-a-GCST90027161	3	49250007	C/T	0.916	0.084	-0.023	0.018	0.210	48.001
rs75746223	ebi-a-GCST90027161	3	100912308	C/T	0.972	0.028	-0.023	0.027	0.404	34.045
rs2717063	ebi-a-GCST90027161	2	58110969	C/A	0.416	0.416	-0.024	0.010	0.021	35.982
rs2717063	ebi-a-GCST90027161	2	58110969	C/A	0.416	0.416	-0.024	0.010	0.021	44.180
rs13275142	ebi-a-GCST90027161	8	116602874	G/A	0.388	0.388	-0.025	0.011	0.017	22.149
rs11864886	ebi-a-GCST90027161	16	13751825	A/G	0.767	0.233	-0.026	0.012	0.030	48.823
rs61834203	ebi-a-GCST90027161	10	2277059	T/C	0.750	0.250	-0.026	0.012	0.030	21.954
rs4883583	ebi-a-GCST90027161	12	133056570	T/C	0.711	0.289	-0.026	0.011	0.022	19.262
rs76225816	ebi-a-GCST90027161	8	93038019	A/G	0.988	0.012	-0.026	0.048	0.589	22.094
rs35105141	ebi-a-GCST90027161	16	30057148	C/T	0.603	0.397	-0.026	0.010	0.011	69.135
rs535336255	ebi-a-GCST90027161	18	22614848	C/T	0.935	0.065	-0.027	0.022	0.210	21.331
rs535336255	ebi-a-GCST90027161	18	22614848	C/T	0.935	0.065	-0.027	0.022	0.210	25.124
rs62135521	ebi-a-GCST90027161	2	44296002	G/T	0.961	0.039	-0.028	0.034	0.413	29.930
rs1727332	ebi-a-GCST90027161	12	123718301	C/T	0.239	0.239	-0.028	0.012	0.019	25.018
rs1229984	ebi-a-GCST90027161	4	100239319	T/C	0.017	0.017	-0.028	0.041	0.494	813.204
rs1229984	ebi-a-GCST90027161	4	100239319	T/C	0.017	0.017	-0.028	0.041	0.494	#####
rs1835366	ebi-a-GCST90027161	10	77405031	G/A	0.139	0.139	-0.029	0.016	0.068	21.725
rs4304688	ebi-a-GCST90027161	10	2226127	G/A	0.759	0.241	-0.030	0.012	0.014	22.792
rs4241258	ebi-a-GCST90027161	2	74226102	C/T	0.879	0.122	-0.030	0.017	0.069	32.796
rs13390019	ebi-a-GCST90027161	2	97797680	T/C	0.899	0.101	-0.033	0.019	0.083	38.789
rs13390019	ebi-a-GCST90027161	2	97797680	T/C	0.899	0.101	-0.033	0.019	0.083	38.820
rs67348767	ebi-a-GCST90027161	2	174468337	G/A	0.875	0.125	-0.035	0.015	0.025	23.787
rs111674320	ebi-a-GCST90027161	3	49021111	T/C	0.949	0.052	-0.037	0.022	0.095	23.978
rs12139282	ebi-a-GCST90027161	1	243740714	G/A	0.913	0.087	-0.039	0.018	0.032	26.118
rs4135294	ebi-a-GCST90027161	3	12466715	G/A	0.858	0.142	-0.044	0.015	0.003	29.670
rs4135294	ebi-a-GCST90027161	3	12466715	G/A	0.858	0.142	-0.044	0.015	0.003	20.339

rs10002659	ebi-a-GCST90027161	4	180960393	C/T	0.930	0.070	-0.048	0.020	0.019	19.633
rs149204679	ebi-a-GCST90027161	3	27240644	A/G	0.987	0.013	-0.050	0.052	0.334	20.897
rs78154057	ebi-a-GCST90027161	10	13492172	A/C	0.989	0.011	-0.089	0.058	0.123	29.237
rs74615678	ebi-a-GCST90027161	10	22324266	C/T	0.991	0.009	-0.091	0.074	0.219	21.083
Status: current on										
rs75144858	ebi-a-GCST90027161	3	81897200	T/C	0.993	0.007	0.040	0.084	0.637	22.246
rs77606040	ebi-a-GCST90027161	14	82410620	C/T	0.982	0.018	0.038	0.037	0.310	21.127
rs13077885	ebi-a-GCST90027161	3	25188037	T/C	0.985	0.015	0.035	0.048	0.465	22.559
rs74671843	ebi-a-GCST90027161	2	200576450	C/T	0.966	0.034	0.026	0.031	0.396	22.450
rs80001099	ebi-a-GCST90027161	3	68391335	C/A	0.912	0.088	0.022	0.020	0.285	19.677
rs442756	ebi-a-GCST90027161	5	115085884	T/G	0.125	0.125	0.018	0.015	0.245	25.226
rs8063936	ebi-a-GCST90027161	16	22934443	A/G	0.502	0.498	0.017	0.010	0.099	23.295
rs59920895	ebi-a-GCST90027161	10	7754565	G/A	0.960	0.040	0.013	0.026	0.609	23.573
rs6827478	ebi-a-GCST90027161	4	7706847	A/G	0.526	0.474	0.013	0.010	0.207	19.776
rs11099302	ebi-a-GCST90027161	4	135880751	G/T	0.399	0.399	0.012	0.010	0.253	29.673
rs4454205	ebi-a-GCST90027161	7	5502964	C/T	0.274	0.274	0.008	0.012	0.512	20.203
rs9381462	ebi-a-GCST90027161	6	12873775	A/G	0.456	0.456	0.008	0.010	0.457	20.788
rs73088494	ebi-a-GCST90027161	7	20444533	G/A	0.982	0.018	0.008	0.056	0.892	21.612
rs144491056	ebi-a-GCST90027161	11	16089730	G/A	0.983	0.017	0.007	0.036	0.853	22.550
rs111228169	ebi-a-GCST90027161	2	20069067	G/A	0.977	0.023	0.006	0.039	0.882	20.538
rs35372343	ebi-a-GCST90027161	5	107198124	C/T	0.707	0.293	0.005	0.011	0.673	20.746
rs363230	ebi-a-GCST90027161	10	119029515	C/T	0.494	0.494	0.004	0.010	0.673	20.964
rs56279239	ebi-a-GCST90027161	20	44627912	G/A	0.890	0.110	0.004	0.017	0.822	21.816
rs150805579	ebi-a-GCST90027161	2	131424960	T/G	0.999	0.001	0.002	0.130	0.986	21.088
rs76335122	ebi-a-GCST90027161	19	42594894	T/G	0.901	0.099	0.002	0.018	0.901	19.509
rs1808579	ebi-a-GCST90027161	18	21104888	C/T	0.513	0.487	0.001	0.010	0.936	23.788
rs807044	ebi-a-GCST90027161	10	102839378	G/T	0.119	0.119	0.000	0.016	0.990	22.540
rs117203961	ebi-a-GCST90027161	7	141300270	C/T	0.958	0.042	0.000	0.026	0.998	19.708
rs146063006	ebi-a-GCST90027161	13	97583137	C/T	0.987	0.013	0.000	0.054	0.998	19.911
rs13177054	ebi-a-GCST90027161	5	144130535	T/G	0.573	0.427	-0.001	0.014	0.974	20.760
rs2073346	ebi-a-GCST90027161	14	51229125	G/A	0.464	0.464	-0.002	0.010	0.859	19.722
rs1296521	ebi-a-GCST90027161	10	34471937	G/T	0.430	0.430	-0.002	0.010	0.841	20.446
rs74969261	ebi-a-GCST90027161	17	1296370	C/T	0.927	0.073	-0.003	0.020	0.889	21.455
rs79018670	ebi-a-GCST90027161	6	169627004	G/A	0.953	0.048	-0.005	0.024	0.846	19.598
rs61959269	ebi-a-GCST90027161	13	64725095	G/A	0.896	0.104	-0.005	0.017	0.757	20.695
rs10137031	ebi-a-GCST90027161	14	73951568	T/C	0.759	0.241	-0.005	0.016	0.738	28.752
rs7865643	ebi-a-GCST90027161	9	134729345	C/A	0.336	0.336	-0.006	0.011	0.562	24.620
rs9543010	ebi-a-GCST90027161	13	73160307	T/C	0.624	0.376	-0.007	0.011	0.529	20.227
rs2461837	ebi-a-GCST90027161	17	18265467	C/T	0.688	0.312	-0.009	0.011	0.425	21.709
rs12312551	ebi-a-GCST90027161	12	114178929	A/G	0.488	0.488	-0.010	0.010	0.328	22.129
rs11681722	ebi-a-GCST90027161	2	19975732	C/T	0.762	0.238	-0.010	0.012	0.385	20.716
rs6817134	ebi-a-GCST90027161	4	113416583	T/C	0.484	0.484	-0.011	0.010	0.276	24.732
rs76278098	ebi-a-GCST90027161	11	72184563	A/G	0.935	0.065	-0.012	0.021	0.576	21.195
rs1403769	ebi-a-GCST90027161	3	135668348	A/G	0.669	0.331	-0.013	0.011	0.235	22.120
rs3856815	ebi-a-GCST90027161	3	13127835	C/T	0.882	0.118	-0.013	0.015	0.396	21.985
rs639725	ebi-a-GCST90027161	5	88001969	A/G	0.414	0.414	-0.013	0.010	0.209	23.389
rs72743734	ebi-a-GCST90027161	5	15279170	C/A	0.982	0.018	-0.013	0.036	0.721	19.625
rs6936873	ebi-a-GCST90027161	6	52530890	G/A	0.787	0.213	-0.014	0.013	0.282	19.724
rs2737234	ebi-a-GCST90027161	8	116651779	A/G	0.618	0.382	-0.014	0.010	0.190	23.037
rs73433590	ebi-a-GCST90027161	12	127575354	A/G	0.908	0.092	-0.014	0.019	0.469	21.345

rs10890251	ebi-a-GCST90027161	1	43976266	A/C	0.655	0.345	-0.015	0.011	0.154	22.862
rs12361865	ebi-a-GCST90027161	11	28832218	T/C	0.766	0.234	-0.016	0.013	0.199	19.964
rs28412070	ebi-a-GCST90027161	8	544984	C/T	0.681	0.319	-0.019	0.011	0.082	20.860
rs72789201	ebi-a-GCST90027161	2	40222724	A/G	0.988	0.012	-0.022	0.047	0.638	21.198
rs7126378	ebi-a-GCST90027161	11	47585348	G/T	0.604	0.396	-0.024	0.010	0.022	19.844
rs1229984	ebi-a-GCST90027161	4	100239319	T/C	0.017	0.017	-0.028	0.041	0.494	101.764
rs12465996	ebi-a-GCST90027161	2	103388594	C/T	0.879	0.121	-0.031	0.015	0.038	23.256
rs117631444	ebi-a-GCST90027161	8	41394298	T/C	0.983	0.017	-0.034	0.044	0.440	20.647
rs56070209	ebi-a-GCST90027161	6	16572069	T/G	0.974	0.026	-0.072	0.036	0.043	21.088
rs182384348	ebi-a-GCST90027161	11	22776952	T/C	0.992	0.008	-0.076	0.092	0.409	19.741
rs147327732	ebi-a-GCST90027161	5	160550084	A/G	0.993	0.007	-0.123	0.092	0.181	23.446
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rs75144858	ebi-a-GCST90027161	3	81897200	T/C	0.993	0.007	0.040	0.084	0.637	22.469
rs77606040	ebi-a-GCST90027161	14	82410620	C/T	0.982	0.018	0.038	0.037	0.310	21.929
rs13077885	ebi-a-GCST90027161	3	25188037	T/C	0.985	0.015	0.035	0.048	0.465	22.229
rs74671843	ebi-a-GCST90027161	2	200576450	C/T	0.966	0.034	0.026	0.031	0.396	22.973
rs80001099	ebi-a-GCST90027161	3	68391335	C/A	0.912	0.088	0.022	0.020	0.285	19.739
rs442756	ebi-a-GCST90027161	5	115085884	T/G	0.125	0.125	0.018	0.015	0.245	25.351
rs8063936	ebi-a-GCST90027161	16	22934443	A/G	0.502	0.498	0.017	0.010	0.099	22.056
rs59920895	ebi-a-GCST90027161	10	7754565	G/A	0.960	0.040	0.013	0.026	0.609	23.416
rs6827478	ebi-a-GCST90027161	4	7706847	A/G	0.526	0.474	0.013	0.010	0.207	20.056
rs11099302	ebi-a-GCST90027161	4	135880751	G/T	0.399	0.399	0.012	0.010	0.253	29.556
rs4454205	ebi-a-GCST90027161	7	5502964	C/T	0.274	0.274	0.008	0.012	0.512	20.275
rs9381462	ebi-a-GCST90027161	6	12873775	A/G	0.456	0.456	0.008	0.010	0.457	22.707
rs73088494	ebi-a-GCST90027161	7	20444533	G/A	0.982	0.018	0.008	0.056	0.892	21.227
rs144491056	ebi-a-GCST90027161	11	16089730	G/A	0.983	0.017	0.007	0.036	0.853	22.218
rs111228169	ebi-a-GCST90027161	2	20069067	G/A	0.977	0.023	0.006	0.039	0.882	20.570
rs35372343	ebi-a-GCST90027161	5	107198124	C/T	0.707	0.293	0.005	0.011	0.673	20.116
rs363230	ebi-a-GCST90027161	10	119029515	C/T	0.494	0.494	0.004	0.010	0.673	19.931
rs6586775	ebi-a-GCST90027161	8	18697226	T/C	0.328	0.328	0.004	0.011	0.701	19.674
rs56279239	ebi-a-GCST90027161	20	44627912	G/A	0.890	0.110	0.004	0.017	0.822	21.299
rs150805579	ebi-a-GCST90027161	2	131424960	T/G	0.999	0.001	0.002	0.130	0.986	20.859
rs76335122	ebi-a-GCST90027161	19	42594894	T/G	0.901	0.099	0.002	0.018	0.901	20.176
rs868092	ebi-a-GCST90027161	21	43863521	A/G	0.259	0.259	0.001	0.012	0.924	20.204
rs1808579	ebi-a-GCST90027161	18	21104888	C/T	0.513	0.487	0.001	0.010	0.936	24.017
rs807044	ebi-a-GCST90027161	10	102839378	G/T	0.119	0.119	0.000	0.016	0.990	22.657
rs117203961	ebi-a-GCST90027161	7	141300270	C/T	0.958	0.042	0.000	0.026	0.998	20.526
rs146063006	ebi-a-GCST90027161	13	97583137	C/T	0.987	0.013	0.000	0.054	0.998	19.848
rs2073346	ebi-a-GCST90027161	14	51229125	G/A	0.464	0.464	-0.002	0.010	0.859	19.708
rs1296521	ebi-a-GCST90027161	10	34471937	G/T	0.430	0.430	-0.002	0.010	0.841	21.180
rs74969261	ebi-a-GCST90027161	17	1296370	C/T	0.927	0.073	-0.003	0.020	0.889	21.618
rs79018670	ebi-a-GCST90027161	6	169627004	G/A	0.953	0.048	-0.005	0.024	0.846	19.907
rs61959269	ebi-a-GCST90027161	13	64725095	G/A	0.896	0.104	-0.005	0.017	0.757	20.641
rs10137031	ebi-a-GCST90027161	14	73951568	T/C	0.759	0.241	-0.005	0.016	0.738	29.491
rs7865643	ebi-a-GCST90027161	9	134729345	C/A	0.336	0.336	-0.006	0.011	0.562	23.885
rs9543010	ebi-a-GCST90027161	13	73160307	T/C	0.624	0.376	-0.007	0.011	0.529	20.187
rs2461837	ebi-a-GCST90027161	17	18265467	C/T	0.688	0.312	-0.009	0.011	0.425	21.876
rs12312551	ebi-a-GCST90027161	12	114178929	A/G	0.488	0.488	-0.010	0.010	0.328	22.800
rs2269496	ebi-a-GCST90027161	4	3390146	T/C	0.897	0.103	-0.010	0.017	0.551	19.613
rs11681722	ebi-a-GCST90027161	2	19975732	C/T	0.762	0.238	-0.010	0.012	0.385	21.316

rs34316	ebi-a-GCST90027161	5	88015545	A/C	0.520	0.480	-0.011	0.014	0.454	24.102
rs6817134	ebi-a-GCST90027161	4	113416583	T/C	0.484	0.484	-0.011	0.010	0.276	24.395
rs76278098	ebi-a-GCST90027161	11	72184563	A/G	0.935	0.065	-0.012	0.021	0.576	20.770
rs1403769	ebi-a-GCST90027161	3	135668348	A/G	0.669	0.331	-0.013	0.011	0.235	22.861
rs3856815	ebi-a-GCST90027161	3	13127835	C/T	0.882	0.118	-0.013	0.015	0.396	22.277
rs72743734	ebi-a-GCST90027161	5	15279170	C/A	0.982	0.018	-0.013	0.036	0.721	19.703
rs6936873	ebi-a-GCST90027161	6	52530890	G/A	0.787	0.213	-0.014	0.013	0.282	20.147
rs2737234	ebi-a-GCST90027161	8	116651779	A/G	0.618	0.382	-0.014	0.010	0.190	23.498
rs73433590	ebi-a-GCST90027161	12	127575354	A/G	0.908	0.092	-0.014	0.019	0.469	21.867
rs10890251	ebi-a-GCST90027161	1	43976266	A/C	0.655	0.345	-0.015	0.011	0.154	22.311
rs12361865	ebi-a-GCST90027161	11	28832218	T/C	0.766	0.234	-0.016	0.013	0.199	20.733
rs12316290	ebi-a-GCST90027161	12	26108748	A/G	0.973	0.028	-0.017	0.032	0.596	19.624
rs28412070	ebi-a-GCST90027161	8	544984	C/T	0.681	0.319	-0.019	0.011	0.082	21.181
rs72789201	ebi-a-GCST90027161	2	40222724	A/G	0.988	0.012	-0.022	0.047	0.638	20.143
rs7126378	ebi-a-GCST90027161	11	47585348	G/T	0.604	0.396	-0.024	0.010	0.022	20.295
rs1229984	ebi-a-GCST90027161	4	100239319	T/C	0.017	0.017	-0.028	0.041	0.494	103.950
rs12465996	ebi-a-GCST90027161	2	103388594	C/T	0.879	0.121	-0.031	0.015	0.038	22.932
rs117631444	ebi-a-GCST90027161	8	41394298	T/C	0.983	0.017	-0.034	0.044	0.440	20.665
rs56070209	ebi-a-GCST90027161	6	16572069	T/G	0.974	0.026	-0.072	0.036	0.043	20.908
rs182384348	ebi-a-GCST90027161	11	22776952	T/C	0.992	0.008	-0.076	0.092	0.409	20.164
rs147327732	ebi-a-GCST90027161	5	160550084	A/G	0.993	0.007	-0.123	0.092	0.181	23.396

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rs6534338	ebi-a-GCST90027161	4	123026869	T/C	0.335	0.335	0.047	0.011	0.000	25.318
rs62486396	ebi-a-GCST90027161	8	12575340	C/A	0.776	0.224	0.040	0.014	0.003	27.884
rs11710280	ebi-a-GCST90027161	3	138050798	T/G	0.357	0.357	0.031	0.011	0.004	22.492
rs36023390	ebi-a-GCST90027161	3	71523093	C/T	0.627	0.373	0.029	0.011	0.006	30.471
rs13262595	ebi-a-GCST90027161	8	143316970	A/G	0.425	0.425	0.027	0.010	0.008	23.967
rs72720396	ebi-a-GCST90027161	1	91191582	A/G	0.795	0.205	0.027	0.013	0.037	50.122
rs58894620	ebi-a-GCST90027161	3	83859900	G/A	0.773	0.227	0.023	0.012	0.052	26.735
rs7765856	ebi-a-GCST90027161	6	52860884	C/T	0.990	0.010	0.023	0.055	0.678	22.804
rs2058708	ebi-a-GCST90027161	2	207081963	G/T	0.886	0.114	0.022	0.015	0.140	22.276
rs147333206	ebi-a-GCST90027161	2	182140351	C/T	0.973	0.027	0.022	0.026	0.412	22.616
rs12069733	ebi-a-GCST90027161	1	43941508	G/A	0.642	0.359	0.020	0.011	0.057	29.693
rs72757510	ebi-a-GCST90027161	5	25532217	C/T	0.939	0.062	0.018	0.021	0.380	19.860
rs1563049	ebi-a-GCST90027161	2	29352680	C/T	0.827	0.173	0.018	0.014	0.213	25.947
rs1490834	ebi-a-GCST90027161	5	107050463	A/G	0.543	0.457	0.015	0.010	0.137	22.987
rs12065886	ebi-a-GCST90027161	1	236744854	T/C	0.259	0.259	0.015	0.012	0.217	35.900
rs12461923	ebi-a-GCST90027161	19	47601215	C/T	0.826	0.174	0.014	0.014	0.312	22.886
rs5762870	ebi-a-GCST90027161	22	29261159	C/T	0.673	0.327	0.013	0.011	0.236	25.144
rs898751	ebi-a-GCST90027161	17	2291863	C/T	0.492	0.492	0.012	0.010	0.243	41.329
rs34820395	ebi-a-GCST90027161	2	106222860	A/G	0.693	0.307	0.011	0.011	0.311	22.418
rs910766	ebi-a-GCST90027161	1	120126034	C/A	0.403	0.403	0.011	0.011	0.304	21.855
rs33988198	ebi-a-GCST90027161	4	100268132	A/C	0.883	0.117	0.010	0.015	0.502	20.384
rs7851830	ebi-a-GCST90027161	9	109380084	A/G	0.776	0.224	0.010	0.012	0.422	23.333
rs10246939	ebi-a-GCST90027161	7	141672604	T/C	0.587	0.414	0.010	0.010	0.347	22.372
rs115236652	ebi-a-GCST90027161	3	53601292	C/T	0.980	0.020	0.010	0.045	0.831	23.012
rs1072731	ebi-a-GCST90027161	6	23315461	T/C	0.389	0.389	0.009	0.010	0.390	22.835
rs143195237	ebi-a-GCST90027161	4	143548830	T/G	0.301	0.301	0.009	0.020	0.661	21.592
rs348302	ebi-a-GCST90027161	20	47756444	T/G	0.268	0.268	0.009	0.012	0.456	19.860
rs1714082	ebi-a-GCST90027161	4	35938282	G/A	0.405	0.405	0.008	0.011	0.428	42.520

rs2109661	ebi-a-GCST90027161	4	82310121	C/T	0.686	0.315	0.008	0.011	0.453	19.680
rs4147783	ebi-a-GCST90027161	11	67805686	C/A	0.951	0.049	0.008	0.033	0.802	19.559
rs62217385	ebi-a-GCST90027161	21	16835298	A/G	0.730	0.270	0.008	0.012	0.486	20.898
rs4489409	ebi-a-GCST90027161	9	128587065	C/T	0.617	0.383	0.008	0.010	0.465	19.825
rs62366821	ebi-a-GCST90027161	5	44875449	A/G	0.528	0.472	0.007	0.010	0.466	22.058
rs2567325	ebi-a-GCST90027161	3	150842234	A/G	0.175	0.175	0.007	0.013	0.597	28.881
rs1057868	ebi-a-GCST90027161	7	75615006	C/T	0.674	0.326	0.007	0.011	0.534	23.805
rs2514226	ebi-a-GCST90027161	11	113404328	T/C	0.243	0.243	0.007	0.012	0.578	24.025
rs6711980	ebi-a-GCST90027161	2	166277393	G/A	0.516	0.484	0.006	0.010	0.555	42.962
rs192991627	ebi-a-GCST90027161	5	18046825	G/A	0.967	0.033	0.005	0.031	0.860	19.835
rs1520231	ebi-a-GCST90027161	16	65076644	T/C	0.513	0.487	0.005	0.010	0.611	26.448
rs117205881	ebi-a-GCST90027161	11	49343957	C/T	0.869	0.131	0.004	0.015	0.787	26.694
rs62497993	ebi-a-GCST90027161	8	27564546	C/T	0.764	0.236	0.004	0.012	0.747	25.276
rs10498060	ebi-a-GCST90027161	2	219431291	G/A	0.738	0.262	0.004	0.012	0.764	22.490
rs12868304	ebi-a-GCST90027161	13	27329187	A/G	0.927	0.073	0.003	0.020	0.868	23.995
rs17727474	ebi-a-GCST90027161	10	127182959	C/T	0.825	0.175	0.003	0.013	0.810	22.910
rs57919173	ebi-a-GCST90027161	1	174128994	A/G	0.565	0.435	0.003	0.010	0.793	51.639
rs62107261	ebi-a-GCST90027161	2	422144	T/C	0.964	0.037	0.002	0.030	0.939	24.731
rs9401593	ebi-a-GCST90027161	6	98549801	A/C	0.523	0.477	0.002	0.010	0.832	24.209
rs12735232	ebi-a-GCST90027161	1	6867842	T/C	0.831	0.169	0.002	0.013	0.873	23.497
rs35550545	ebi-a-GCST90027161	1	151000183	G/A	0.882	0.118	0.001	0.015	0.932	23.966
rs62282229	ebi-a-GCST90027161	3	130776646	G/T	0.805	0.195	0.001	0.012	0.942	29.902
rs4277992	ebi-a-GCST90027161	6	67583978	A/G	0.442	0.442	0.000	0.010	0.970	23.068
rs7557432	ebi-a-GCST90027161	2	49772396	C/T	0.341	0.341	0.000	0.011	0.978	23.665
rs11749483	ebi-a-GCST90027161	5	175703228	A/G	0.506	0.494	0.000	0.010	0.988	21.734
rs62007820	ebi-a-GCST90027161	15	78060786	G/A	0.742	0.258	0.000	0.012	0.983	21.095
rs10880075	ebi-a-GCST90027161	12	41825977	G/A	0.534	0.467	-0.002	0.010	0.868	19.384
rs7833646	ebi-a-GCST90027161	8	101969620	A/G	0.446	0.446	-0.002	0.010	0.862	20.824
rs523299	ebi-a-GCST90027161	9	113560468	T/C	0.189	0.189	-0.002	0.013	0.876	19.637
rs6690195	ebi-a-GCST90027161	1	96221653	C/T	0.527	0.473	-0.002	0.010	0.822	38.564
rs11138767	ebi-a-GCST90027161	9	83246133	T/G	0.404	0.404	-0.002	0.010	0.812	23.177
rs1837143	ebi-a-GCST90027161	2	100960184	C/T	0.484	0.484	-0.003	0.010	0.802	29.698
rs4636319	ebi-a-GCST90027161	9	100252721	T/C	0.519	0.481	-0.003	0.010	0.773	24.394
rs2819351	ebi-a-GCST90027161	1	201885157	C/T	0.660	0.340	-0.004	0.011	0.730	20.210
rs11546678	ebi-a-GCST90027161	16	29827681	G/A	0.895	0.105	-0.004	0.017	0.820	21.648
rs7551034	ebi-a-GCST90027161	1	115591163	A/G	0.527	0.474	-0.004	0.010	0.701	25.481
rs10932201	ebi-a-GCST90027161	2	208426257	G/A	0.542	0.458	-0.004	0.010	0.697	33.486
rs186711	ebi-a-GCST90027161	10	28922327	A/G	0.438	0.438	-0.004	0.010	0.695	21.284
rs4674407	ebi-a-GCST90027161	2	220382700	C/T	0.519	0.481	-0.004	0.010	0.684	27.281
rs17091962	ebi-a-GCST90027161	1	72415367	T/C	0.942	0.058	-0.005	0.023	0.825	20.618
rs7468124	ebi-a-GCST90027161	9	124612462	C/T	0.365	0.365	-0.006	0.011	0.573	33.608
rs1217195	ebi-a-GCST90027161	1	114178764	T/C	0.542	0.458	-0.006	0.010	0.534	19.884
rs10202351	ebi-a-GCST90027161	2	49116885	G/A	0.926	0.074	-0.007	0.019	0.725	20.740
rs9516890	ebi-a-GCST90027161	13	97938649	T/C	0.458	0.458	-0.007	0.011	0.535	20.620
rs56315233	ebi-a-GCST90027161	17	46571866	T/C	0.929	0.071	-0.007	0.021	0.747	23.397
rs13104527	ebi-a-GCST90027161	4	21860947	C/A	0.905	0.096	-0.007	0.018	0.703	20.194
rs12705984	ebi-a-GCST90027161	7	114337615	G/A	0.555	0.445	-0.007	0.010	0.483	42.939
rs7170186	ebi-a-GCST90027161	15	95251591	C/A	0.343	0.343	-0.008	0.011	0.458	25.509
rs2860872	ebi-a-GCST90027161	2	77109127	T/C	0.534	0.466	-0.008	0.010	0.420	23.880
rs62223645	ebi-a-GCST90027161	21	38528987	G/A	0.952	0.048	-0.008	0.024	0.730	19.291

rs9866968	ebi-a-GCST90027161	3	85683470	G/A	0.635	0.365	-0.009	0.011	0.410	25.180
rs12519587	ebi-a-GCST90027161	5	60086900	C/T	0.562	0.438	-0.009	0.010	0.376	24.837
rs4675248	ebi-a-GCST90027161	2	202880230	A/G	0.437	0.437	-0.009	0.010	0.382	23.521
rs4140665	ebi-a-GCST90027161	16	15381715	A/G	0.246	0.246	-0.009	0.012	0.450	25.024
rs7808586	ebi-a-GCST90027161	7	131859496	G/A	0.429	0.429	-0.009	0.010	0.370	31.342
rs10975705	ebi-a-GCST90027161	9	6625560	C/A	0.669	0.331	-0.010	0.011	0.373	20.155
rs6991007	ebi-a-GCST90027161	8	78020173	T/G	0.318	0.318	-0.010	0.011	0.376	19.836
rs11036253	ebi-a-GCST90027161	11	41165643	A/G	0.910	0.090	-0.010	0.018	0.581	19.465
rs7242923	ebi-a-GCST90027161	18	35159833	T/C	0.312	0.312	-0.010	0.011	0.375	34.207
rs73480560	ebi-a-GCST90027161	11	57401400	C/T	0.723	0.277	-0.010	0.011	0.369	32.522
rs7247837	ebi-a-GCST90027161	19	48148898	G/A	0.879	0.121	-0.011	0.015	0.478	23.579
rs34940743	ebi-a-GCST90027161	14	80102233	A/G	0.643	0.357	-0.011	0.011	0.294	24.142
rs116842528	ebi-a-GCST90027161	6	84329970	G/A	0.961	0.039	-0.012	0.027	0.661	19.242
rs12823254	ebi-a-GCST90027161	12	51919819	G/A	0.525	0.475	-0.012	0.010	0.245	19.261
rs12040459	ebi-a-GCST90027161	1	204564558	G/A	0.782	0.218	-0.012	0.012	0.307	25.007
rs2016975	ebi-a-GCST90027161	3	35821408	A/C	0.572	0.428	-0.012	0.010	0.233	27.168
rs56094641	ebi-a-GCST90027161	16	53806453	A/G	0.583	0.417	-0.013	0.010	0.218	26.365
rs2606086	ebi-a-GCST90027161	10	63303731	G/A	0.315	0.315	-0.013	0.011	0.238	27.342
rs379889	ebi-a-GCST90027161	4	131646975	T/C	0.428	0.428	-0.013	0.010	0.221	21.628
rs76076331	ebi-a-GCST90027161	2	10977585	C/T	0.834	0.166	-0.013	0.013	0.301	21.651
rs16992771	ebi-a-GCST90027161	19	5046070	C/T	0.626	0.374	-0.013	0.011	0.213	20.325
rs1896762	ebi-a-GCST90027161	16	9453144	A/G	0.977	0.023	-0.014	0.043	0.750	21.277
rs10822186	ebi-a-GCST90027161	10	65350383	A/G	0.503	0.497	-0.017	0.010	0.093	20.233
rs17028031	ebi-a-GCST90027161	2	60641236	G/A	0.897	0.103	-0.018	0.016	0.274	26.736
rs4615151	ebi-a-GCST90027161	4	46647279	T/C	0.647	0.353	-0.018	0.011	0.091	20.771
rs72660133	ebi-a-GCST90027161	1	33927233	G/A	0.946	0.054	-0.019	0.021	0.373	22.413
rs373687	ebi-a-GCST90027161	21	46558780	T/C	0.660	0.340	-0.020	0.011	0.067	25.607
rs34981201	ebi-a-GCST90027161	5	153439327	G/A	0.816	0.185	-0.021	0.012	0.097	19.641
rs17407267	ebi-a-GCST90027161	7	78688292	A/G	0.895	0.105	-0.023	0.018	0.196	21.142
rs56320623	ebi-a-GCST90027161	16	79756405	T/C	0.980	0.020	-0.023	0.037	0.542	19.480
rs2395570	ebi-a-GCST90027161	10	81195310	C/T	0.906	0.094	-0.026	0.016	0.111	20.035
rs144498445	ebi-a-GCST90027161	6	158783479	T/C	0.979	0.021	-0.026	0.040	0.516	21.730
rs1229984	ebi-a-GCST90027161	4	100239319	T/C	0.017	0.017	-0.028	0.041	0.494	33.981
rs10210970	ebi-a-GCST90027161	2	28646847	C/T	0.851	0.149	-0.031	0.014	0.027	22.599
rs150809545	ebi-a-GCST90027161	11	38751355	C/T	0.988	0.012	-0.032	0.056	0.577	21.108
rs10095062	ebi-a-GCST90027161	8	128178291	G/A	0.916	0.084	-0.033	0.018	0.065	23.002
rs7907932	ebi-a-GCST90027161	10	3454897	G/A	0.972	0.029	-0.043	0.032	0.178	19.504
rs117002247	ebi-a-GCST90027161	14	35913159	A/G	0.988	0.012	-0.049	0.057	0.393	24.995
rs79201073	ebi-a-GCST90027161	16	89611199	G/A	0.937	0.063	-0.059	0.019	0.002	19.856
rs185464914	ebi-a-GCST90027161	21	18493546	G/A	0.989	0.012	-0.079	0.055	0.146	26.266

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rs112380248	ebi-a-GCST90027161	18	3155443	T/C	0.991	0.009	0.116	0.073	0.113	19.821
rs75500485	ebi-a-GCST90027161	12	587913	C/T	0.981	0.019	0.076	0.045	0.095	19.694
rs117340623	ebi-a-GCST90027161	7	51686316	G/A	0.989	0.011	0.063	0.056	0.259	20.622
rs75149150	ebi-a-GCST90027161	11	108647746	T/C	0.973	0.027	0.061	0.030	0.046	19.596
rs17624102	ebi-a-GCST90027161	18	24570647	C/T	0.972	0.028	0.054	0.039	0.170	26.015
rs112663712	ebi-a-GCST90027161	19	47557075	C/T	0.968	0.032	0.050	0.034	0.138	23.615
rs16983844	ebi-a-GCST90027161	20	62225508	G/A	0.798	0.202	0.041	0.013	0.002	21.110
rs138449764	ebi-a-GCST90027161	16	6541090	T/G	0.989	0.011	0.040	0.053	0.453	22.120
rs146470005	ebi-a-GCST90027161	8	13140872	G/A	0.989	0.011	0.039	0.059	0.503	21.613

rs138214306	ebi-a-GCST90027161	15	73163687	T/C	0.968	0.032	0.029	0.034	0.394	21.536
rs11065301	ebi-a-GCST90027161	12	121304368	C/T	0.601	0.399	0.028	0.010	0.006	21.489
rs2965199	ebi-a-GCST90027161	19	19475088	G/A	0.314	0.314	0.027	0.011	0.015	19.973
rs12573788	ebi-a-GCST90027161	10	72257493	G/T	0.827	0.173	0.026	0.017	0.133	20.812
rs79809011	ebi-a-GCST90027161	8	10126532	G/A	0.979	0.021	0.025	0.043	0.559	32.030
rs374003	ebi-a-GCST90027161	5	76702203	A/G	0.826	0.174	0.024	0.013	0.066	23.567
rs144981292	ebi-a-GCST90027161	14	68300057	C/T	0.991	0.009	0.020	0.064	0.753	19.814
rs115736207	ebi-a-GCST90027161	3	81956915	A/G	0.983	0.017	0.019	0.046	0.674	21.881
rs77862656	ebi-a-GCST90027161	17	33669329	C/T	0.888	0.112	0.017	0.016	0.276	22.588
rs7842002	ebi-a-GCST90027161	8	60540964	A/G	0.867	0.133	0.017	0.015	0.245	21.295
rs34744991	ebi-a-GCST90027161	2	8657251	C/T	0.930	0.070	0.017	0.022	0.459	20.765
rs34189411	ebi-a-GCST90027161	4	44351229	T/C	0.909	0.091	0.016	0.018	0.386	20.465
rs2514283	ebi-a-GCST90027161	11	91291877	T/C	0.564	0.437	0.014	0.010	0.177	21.203
rs10959890	ebi-a-GCST90027161	9	11526198	T/C	0.806	0.194	0.012	0.013	0.352	26.853
rs8141097	ebi-a-GCST90027161	22	48611310	T/C	0.876	0.124	0.012	0.015	0.427	26.041
rs2037363	ebi-a-GCST90027161	3	118248695	G/A	0.685	0.315	0.010	0.011	0.375	23.213
rs61889192	ebi-a-GCST90027161	11	28528608	A/G	0.502	0.498	0.010	0.010	0.324	22.615
rs7166903	ebi-a-GCST90027161	15	67976471	G/A	0.959	0.041	0.009	0.025	0.712	22.548
rs10122339	ebi-a-GCST90027161	9	15691712	G/T	0.506	0.494	0.008	0.010	0.435	60.316
rs6899302	ebi-a-GCST90027161	5	166846529	T/C	0.478	0.478	0.008	0.011	0.476	21.176
rs7018123	ebi-a-GCST90027161	8	93667572	A/G	0.673	0.327	0.007	0.011	0.495	27.786
rs4926833	ebi-a-GCST90027161	1	50311454	G/A	0.392	0.392	0.007	0.010	0.488	19.866
rs73280996	ebi-a-GCST90027161	5	151755922	C/T	0.950	0.050	0.007	0.024	0.763	20.888
rs757079	ebi-a-GCST90027161	17	31325103	A/G	0.607	0.394	0.007	0.011	0.530	21.046
rs4520936	ebi-a-GCST90027161	18	64099171	C/T	0.708	0.292	0.006	0.011	0.572	20.845
rs7174015	ebi-a-GCST90027161	15	50717068	G/A	0.618	0.382	0.006	0.011	0.548	26.476
rs72900104	ebi-a-GCST90027161	18	37109322	G/A	0.694	0.306	0.006	0.011	0.580	19.520
rs35807863	ebi-a-GCST90027161	12	23955740	A/G	0.875	0.125	0.006	0.017	0.725	25.835
rs10889622	ebi-a-GCST90027161	1	66978703	G/A	0.402	0.402	0.006	0.010	0.561	20.377
rs17348302	ebi-a-GCST90027161	19	3349305	T/C	0.777	0.223	0.005	0.012	0.671	22.007
rs12555734	ebi-a-GCST90027161	9	129411242	C/A	0.726	0.274	0.005	0.011	0.645	25.306
rs17274957	ebi-a-GCST90027161	7	36324938	G/A	0.630	0.370	0.005	0.011	0.676	23.157
rs2551767	ebi-a-GCST90027161	7	135139011	C/T	0.388	0.388	0.004	0.011	0.712	24.884
rs300046	ebi-a-GCST90027161	5	37081705	A/G	0.548	0.452	0.004	0.010	0.716	23.597
rs4741805	ebi-a-GCST90027161	9	3076234	T/C	0.084	0.084	0.004	0.019	0.846	19.560
rs10247400	ebi-a-GCST90027161	7	17583429	T/G	0.404	0.404	0.004	0.011	0.733	21.123
rs2088248	ebi-a-GCST90027161	1	187275417	A/G	0.581	0.419	0.003	0.010	0.760	19.841
rs1126757	ebi-a-GCST90027161	19	55879872	C/T	0.494	0.494	0.003	0.010	0.769	20.085
rs112652074	ebi-a-GCST90027161	12	297021	C/T	0.964	0.036	0.002	0.027	0.933	20.506
rs10956838	ebi-a-GCST90027161	8	93404442	A/C	0.703	0.297	0.002	0.011	0.844	24.970
rs11671098	ebi-a-GCST90027161	19	31010075	G/A	0.858	0.142	0.002	0.015	0.909	25.008
rs4146338	ebi-a-GCST90027161	3	117493964	C/T	0.144	0.144	0.002	0.014	0.903	27.724
rs897509	ebi-a-GCST90027161	2	33150932	A/G	0.553	0.447	0.002	0.010	0.868	20.398
rs28758902	ebi-a-GCST90027161	18	53408187	C/T	0.559	0.441	0.002	0.010	0.872	30.827
rs4623769	ebi-a-GCST90027161	1	205492679	G/A	0.953	0.047	0.001	0.024	0.951	20.057
rs62169335	ebi-a-GCST90027161	2	147946069	C/T	0.478	0.478	0.001	0.010	0.949	28.770
rs11878917	ebi-a-GCST90027161	19	42588999	G/A	0.910	0.090	0.000	0.019	0.981	26.670
rs1442572	ebi-a-GCST90027161	14	85668179	G/A	0.506	0.494	0.000	0.010	0.978	24.812
rs34237126	ebi-a-GCST90027161	10	64873883	C/A	0.685	0.315	0.000	0.011	0.989	28.973
rs7593300	ebi-a-GCST90027161	2	207086812	G/A	0.577	0.423	-0.001	0.010	0.963	22.366

rs1038914	ebi-a-GCST90027161	12	58011066	G/A	0.403	0.403	-0.001	0.010	0.952	24.429
rs12067843	ebi-a-GCST90027161	1	120166681	G/A	0.491	0.491	-0.001	0.010	0.951	21.052
rs62307705	ebi-a-GCST90027161	4	96800692	A/G	0.733	0.267	-0.001	0.012	0.961	20.597
rs1555302	ebi-a-GCST90027161	20	43430968	A/C	0.704	0.296	-0.001	0.011	0.952	23.630
rs12257513	ebi-a-GCST90027161	10	126249756	A/G	0.762	0.239	-0.001	0.012	0.937	20.702
rs41476948	ebi-a-GCST90027161	14	78788749	G/A	0.601	0.399	-0.001	0.010	0.900	20.468
rs4924070	ebi-a-GCST90027161	15	36715788	G/A	0.842	0.158	-0.002	0.014	0.887	20.140
rs62414068	ebi-a-GCST90027161	6	93619546	C/A	0.741	0.259	-0.002	0.012	0.855	22.334
rs4676964	ebi-a-GCST90027161	3	71034748	C/T	0.509	0.491	-0.003	0.010	0.796	52.022
rs3012075	ebi-a-GCST90027161	10	126714966	A/G	0.479	0.479	-0.003	0.010	0.740	22.847
rs76101998	ebi-a-GCST90027161	2	34010348	C/T	0.979	0.022	-0.004	0.034	0.904	23.332
rs10200647	ebi-a-GCST90027161	2	145494700	T/C	0.740	0.260	-0.004	0.012	0.713	22.829
rs6739040	ebi-a-GCST90027161	2	217951726	A/G	0.942	0.058	-0.004	0.023	0.853	27.917
rs6973324	ebi-a-GCST90027161	7	112516977	A/C	0.509	0.491	-0.004	0.010	0.667	20.409
rs139873323	ebi-a-GCST90027161	13	20387663	C/T	0.975	0.025	-0.005	0.035	0.891	20.936
rs1553755	ebi-a-GCST90027161	17	46563757	C/A	0.109	0.109	-0.006	0.017	0.735	22.354
rs2541303	ebi-a-GCST90027161	12	22445690	A/G	0.762	0.238	-0.007	0.012	0.576	24.699
rs7199285	ebi-a-GCST90027161	16	19980931	C/T	0.820	0.180	-0.007	0.013	0.599	22.757
rs2758145	ebi-a-GCST90027161	6	134481965	A/G	0.216	0.216	-0.008	0.012	0.541	22.670
rs803370	ebi-a-GCST90027161	1	44677803	T/C	0.286	0.286	-0.008	0.011	0.494	24.276
rs57549810	ebi-a-GCST90027161	4	130952158	G/A	0.708	0.292	-0.008	0.011	0.483	23.462
rs140148934	ebi-a-GCST90027161	21	46609178	A/G	0.989	0.011	-0.010	0.053	0.855	24.372
rs937813	ebi-a-GCST90027161	2	28301540	T/C	0.898	0.102	-0.010	0.018	0.562	28.173
rs143797388	ebi-a-GCST90027161	17	44989164	C/T	0.974	0.026	-0.011	0.035	0.755	24.027
rs34073213	ebi-a-GCST90027161	3	115056225	C/T	0.547	0.453	-0.011	0.010	0.286	28.793
rs17413652	ebi-a-GCST90027161	1	46767176	G/A	0.881	0.119	-0.011	0.016	0.477	21.701
rs6669189	ebi-a-GCST90027161	1	75011358	C/T	0.586	0.414	-0.012	0.010	0.257	22.322
rs12955847	ebi-a-GCST90027161	18	70318632	T/C	0.479	0.479	-0.012	0.010	0.240	22.435
rs1421085	ebi-a-GCST90027161	16	53800954	T/C	0.584	0.416	-0.012	0.010	0.223	56.577
rs9901521	ebi-a-GCST90027161	17	79098152	T/C	0.938	0.062	-0.013	0.021	0.530	29.675
rs13146141	ebi-a-GCST90027161	4	171863797	G/A	0.705	0.295	-0.013	0.012	0.254	30.757
rs201243287	ebi-a-GCST90027161	2	155726552	C/T	0.818	0.182	-0.015	0.018	0.410	23.031
rs62291048	ebi-a-GCST90027161	3	180317450	C/T	0.888	0.112	-0.016	0.016	0.321	23.051
rs77911607	ebi-a-GCST90027161	8	145100221	C/T	0.937	0.063	-0.018	0.022	0.423	19.719
rs1191468	ebi-a-GCST90027161	14	29502262	G/A	0.166	0.166	-0.020	0.014	0.154	30.917
rs150815341	ebi-a-GCST90027161	3	53589117	A/G	0.978	0.022	-0.021	0.034	0.528	21.579
rs11074370	ebi-a-GCST90027161	16	9739473	A/C	0.746	0.254	-0.024	0.012	0.034	23.645
rs17501421	ebi-a-GCST90027161	13	66919913	G/A	0.931	0.069	-0.031	0.020	0.123	20.877
rs34962644	ebi-a-GCST90027161	12	130163903	A/G	0.956	0.044	-0.031	0.025	0.214	24.661
rs137906741	ebi-a-GCST90027161	19	57303599	C/T	0.990	0.010	-0.033	0.050	0.517	19.888
rs139552257	ebi-a-GCST90027161	2	43536687	C/T	0.977	0.023	-0.033	0.031	0.281	31.521
rs74818437	ebi-a-GCST90027161	5	124070735	G/A	0.953	0.047	-0.036	0.024	0.127	27.456
rs9611611	ebi-a-GCST90027161	22	41950175	C/T	0.796	0.204	-0.044	0.013	0.000	32.656
rs73645619	ebi-a-GCST90027161	9	28223750	A/G	0.983	0.017	-0.050	0.034	0.140	19.971
rs117117111	ebi-a-GCST90027161	17	8025557	C/T	0.970	0.030	-0.055	0.028	0.051	22.591

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rs188949844	ebi-a-GCST90027161	9	38080216	A/G	0.990	0.010	0.088	0.067	0.184	19.109
rs12190021	ebi-a-GCST90027161	6	88427097	C/T	0.970	0.030	0.069	0.033	0.038	19.789
rs56246993	ebi-a-GCST90027161	1	110170641	C/T	0.979	0.021	0.049	0.041	0.237	20.584
rs144035638	ebi-a-GCST90027161	13	111463317	A/G	0.981	0.019	0.049	0.035	0.168	21.973

rs76982193	ebi-a-GCST90027161	2	104875499	T/C	0.977	0.023	0.048	0.034	0.158	19.179
rs74742227	ebi-a-GCST90027161	14	71740531	C/T	0.986	0.014	0.047	0.042	0.266	23.144
rs17236900	ebi-a-GCST90027161	3	170467045	C/T	0.966	0.034	0.041	0.029	0.160	22.805
rs79688422	ebi-a-GCST90027161	7	40682539	C/T	0.969	0.031	0.036	0.038	0.350	20.459
rs112975700	ebi-a-GCST90027161	1	72126536	C/T	0.900	0.100	0.034	0.018	0.056	31.481
rs34365278	ebi-a-GCST90027161	8	11309780	G/A	0.617	0.383	0.032	0.011	0.002	29.795
rs73060859	ebi-a-GCST90027161	3	38061473	T/G	0.986	0.014	0.031	0.051	0.543	19.414
rs17753769	ebi-a-GCST90027161	6	126588589	A/G	0.967	0.033	0.030	0.027	0.277	20.634
rs72720396	ebi-a-GCST90027161	1	91191582	A/G	0.795	0.205	0.027	0.013	0.037	52.868
rs315631	ebi-a-GCST90027161	10	36474705	T/G	0.277	0.277	0.026	0.012	0.033	19.438
rs12786124	ebi-a-GCST90027161	11	63678508	T/C	0.606	0.394	0.026	0.010	0.012	20.248
rs77934755	ebi-a-GCST90027161	5	27197488	A/G	0.912	0.088	0.023	0.019	0.221	23.073
rs6994400	ebi-a-GCST90027161	8	13680840	T/G	0.120	0.120	0.022	0.015	0.139	19.582
rs9607805	ebi-a-GCST90027161	22	41854446	C/T	0.287	0.287	0.022	0.011	0.051	21.449
rs4516525	ebi-a-GCST90027161	21	22969909	G/A	0.871	0.129	0.020	0.015	0.177	22.962
rs72843235	ebi-a-GCST90027161	17	70694317	A/G	0.970	0.030	0.020	0.028	0.490	21.377
rs2026764	ebi-a-GCST90027161	9	17990785	C/T	0.941	0.059	0.019	0.022	0.372	20.776
rs6567160	ebi-a-GCST90027161	18	57829135	T/C	0.790	0.210	0.019	0.013	0.136	21.964
rs28929474	ebi-a-GCST90027161	14	94844947	C/T	0.980	0.020	0.017	0.037	0.643	41.980
rs1793842	ebi-a-GCST90027161	11	131178533	C/A	0.694	0.306	0.017	0.011	0.138	22.106
rs4953149	ebi-a-GCST90027161	2	45157307	T/C	0.615	0.385	0.015	0.010	0.155	54.439
rs13098920	ebi-a-GCST90027161	3	4822403	G/A	0.970	0.031	0.014	0.027	0.620	23.162
rs7772623	ebi-a-GCST90027161	6	62594485	C/T	0.229	0.229	0.013	0.012	0.251	26.989
rs78233244	ebi-a-GCST90027161	2	76797521	C/T	0.959	0.041	0.013	0.024	0.589	22.627
rs56247405	ebi-a-GCST90027161	14	23509194	C/T	0.838	0.162	0.011	0.015	0.432	21.064
rs55970045	ebi-a-GCST90027161	17	32999987	C/A	0.743	0.257	0.011	0.012	0.354	21.142
rs1885179	ebi-a-GCST90027161	20	49238038	C/T	0.372	0.372	0.011	0.011	0.314	19.766
rs1604011	ebi-a-GCST90027161	3	25159884	C/T	0.542	0.458	0.010	0.010	0.314	25.122
rs33988198	ebi-a-GCST90027161	4	100268132	A/C	0.883	0.117	0.010	0.015	0.502	52.358
rs8044722	ebi-a-GCST90027161	16	23878119	G/T	0.634	0.366	0.010	0.011	0.336	25.410
rs72686107	ebi-a-GCST90027161	4	127093191	A/G	0.808	0.192	0.009	0.013	0.466	25.154
rs1750732	ebi-a-GCST90027161	10	11166027	G/A	0.591	0.409	0.008	0.011	0.461	21.382
rs6899302	ebi-a-GCST90027161	5	166846529	T/C	0.478	0.478	0.008	0.011	0.476	36.081
rs10093749	ebi-a-GCST90027161	8	127021095	G/A	0.154	0.154	0.007	0.015	0.619	19.462
rs6739594	ebi-a-GCST90027161	2	236951982	C/T	0.330	0.330	0.007	0.011	0.556	20.548
rs61154893	ebi-a-GCST90027161	2	108377519	C/A	0.757	0.243	0.007	0.012	0.592	32.579
rs4681953	ebi-a-GCST90027161	3	57141490	A/C	0.249	0.249	0.006	0.012	0.583	25.639
rs9318601	ebi-a-GCST90027161	13	79520000	C/A	0.627	0.373	0.006	0.011	0.554	23.128
rs11127048	ebi-a-GCST90027161	2	27752463	G/A	0.382	0.382	0.006	0.010	0.555	50.921
rs11570094	ebi-a-GCST90027161	11	47359706	C/A	0.716	0.284	0.006	0.011	0.580	28.282
rs7869829	ebi-a-GCST90027161	9	127247177	G/A	0.471	0.471	0.005	0.010	0.625	32.023
rs11593137	ebi-a-GCST90027161	10	127192514	A/G	0.803	0.197	0.005	0.013	0.710	21.614
rs1520929	ebi-a-GCST90027161	8	64700949	T/C	0.517	0.483	0.005	0.010	0.657	37.435
rs6049886	ebi-a-GCST90027161	20	24683554	G/T	0.683	0.317	0.005	0.011	0.681	29.174
rs10907225	ebi-a-GCST90027161	1	16720112	T/C	0.644	0.357	0.004	0.011	0.678	28.313
rs7079463	ebi-a-GCST90027161	10	120255616	A/G	0.409	0.409	0.004	0.010	0.671	24.784
rs57803	ebi-a-GCST90027161	6	111612559	G/A	0.192	0.192	0.004	0.013	0.754	21.118
rs6578916	ebi-a-GCST90027161	11	7989181	A/G	0.444	0.444	0.004	0.010	0.695	24.585
rs537755054	ebi-a-GCST90027161	5	128293236	G/T	0.979	0.022	0.004	0.032	0.906	23.436
rs7137802	ebi-a-GCST90027161	12	114275647	C/A	0.713	0.287	0.004	0.011	0.731	21.501

rs878756	ebi-a-GCST90027161	22	40814500	T/C	0.634	0.366	0.004	0.011	0.735	28.238
rs1433598	ebi-a-GCST90027161	16	82562106	C/T	0.661	0.340	0.003	0.011	0.754	19.856
rs35782576	ebi-a-GCST90027161	16	60714692	A/C	0.808	0.192	0.003	0.013	0.837	20.625
rs13107325	ebi-a-GCST90027161	4	103188709	C/T	0.951	0.049	0.002	0.029	0.934	43.160
rs1387695	ebi-a-GCST90027161	3	159191889	T/G	0.418	0.418	0.002	0.010	0.829	23.189
rs12469680	ebi-a-GCST90027161	2	61395926	C/T	0.820	0.180	0.002	0.013	0.883	20.319
rs72792185	ebi-a-GCST90027161	10	27033814	C/T	0.931	0.070	0.002	0.020	0.926	23.214
rs322755	ebi-a-GCST90027161	7	127775714	A/C	0.593	0.407	0.001	0.011	0.948	24.591
rs4786992	ebi-a-GCST90027161	16	7302054	T/C	0.567	0.433	0.000	0.010	0.987	35.525
rs9518041	ebi-a-GCST90027161	13	100931276	T/C	0.522	0.478	-0.001	0.010	0.963	19.672
rs36035779	ebi-a-GCST90027161	19	31224354	G/A	0.708	0.292	-0.001	0.011	0.948	19.937
rs61873510	ebi-a-GCST90027161	10	102626510	G/T	0.682	0.318	-0.001	0.011	0.936	22.711
rs112502508	ebi-a-GCST90027161	12	50246252	A/G	0.611	0.389	-0.001	0.010	0.926	20.192
rs139823448	ebi-a-GCST90027161	17	74059142	C/T	0.968	0.032	-0.001	0.032	0.971	22.614
rs17016514	ebi-a-GCST90027161	4	143542772	G/A	0.860	0.140	-0.002	0.015	0.919	28.196
rs6475348	ebi-a-GCST90027161	9	1963536	A/G	0.595	0.405	-0.002	0.011	0.872	30.060
rs2224585	ebi-a-GCST90027161	14	100868959	G/A	0.771	0.229	-0.002	0.012	0.875	22.702
rs13403399	ebi-a-GCST90027161	2	156929025	T/G	0.663	0.337	-0.002	0.011	0.846	22.787
rs11632877	ebi-a-GCST90027161	15	47492750	G/A	0.423	0.423	-0.003	0.010	0.753	24.476
rs78727898	ebi-a-GCST90027161	3	4037585	C/T	0.906	0.094	-0.003	0.019	0.866	21.819
rs13222665	ebi-a-GCST90027161	7	51342600	T/C	0.548	0.452	-0.004	0.010	0.728	27.654
rs12065191	ebi-a-GCST90027161	1	6803747	T/C	0.710	0.290	-0.004	0.011	0.725	25.133
rs9316252	ebi-a-GCST90027161	13	47614055	T/C	0.576	0.425	-0.008	0.010	0.459	19.580
rs7098181	ebi-a-GCST90027161	10	65027143	G/T	0.597	0.403	-0.009	0.010	0.393	41.324
rs13016665	ebi-a-GCST90027161	2	57995348	C/A	0.559	0.441	-0.010	0.010	0.334	30.797
rs11654342	ebi-a-GCST90027161	17	46126689	G/T	0.890	0.110	-0.010	0.016	0.533	28.060
rs10068046	ebi-a-GCST90027161	5	89252602	A/G	0.821	0.180	-0.010	0.013	0.421	22.731
rs8025516	ebi-a-GCST90027161	15	95271872	T/G	0.398	0.398	-0.010	0.010	0.309	25.568
rs9824301	ebi-a-GCST90027161	3	85682888	A/C	0.623	0.377	-0.011	0.010	0.312	30.411
rs7698119	ebi-a-GCST90027161	4	171070910	G/A	0.501	0.499	-0.011	0.010	0.293	23.726
rs393093	ebi-a-GCST90027161	2	164926908	G/A	0.271	0.271	-0.012	0.011	0.313	22.629
rs28712821	ebi-a-GCST90027161	4	39413780	G/A	0.379	0.379	-0.012	0.011	0.257	96.467
rs4665229	ebi-a-GCST90027161	2	23792601	A/G	0.224	0.224	-0.012	0.013	0.330	20.885
rs56094641	ebi-a-GCST90027161	16	53806453	A/G	0.583	0.417	-0.013	0.010	0.218	107.317
rs4888010	ebi-a-GCST90027161	16	73895046	G/A	0.521	0.479	-0.013	0.010	0.199	43.639
rs11744309	ebi-a-GCST90027161	5	143635292	C/T	0.714	0.286	-0.014	0.011	0.225	24.508
rs6868457	ebi-a-GCST90027161	5	60550041	T/C	0.521	0.479	-0.014	0.010	0.170	35.348
rs9315010	ebi-a-GCST90027161	13	31025521	A/G	0.303	0.303	-0.015	0.011	0.180	23.279
rs6899876	ebi-a-GCST90027161	6	41796970	T/C	0.726	0.274	-0.017	0.012	0.137	28.304
rs12125141	ebi-a-GCST90027161	1	115522573	C/T	0.831	0.169	-0.019	0.014	0.163	19.875
rs75120545	ebi-a-GCST90027161	2	44271496	C/T	0.966	0.034	-0.022	0.029	0.455	24.983
rs6876921	ebi-a-GCST90027161	5	156819384	A/G	0.231	0.231	-0.024	0.012	0.049	19.812
rs115067791	ebi-a-GCST90027161	2	207033306	G/A	0.951	0.049	-0.027	0.025	0.278	32.104
rs1229984	ebi-a-GCST90027161	4	100239319	T/C	0.017	0.017	-0.028	0.041	0.494	254.120
rs72750989	ebi-a-GCST90027161	1	205753214	C/T	0.969	0.031	-0.039	0.034	0.242	20.477
rs17469315	ebi-a-GCST90027161	18	25736975	A/C	0.944	0.056	-0.044	0.024	0.065	22.033
rs13023941	ebi-a-GCST90027161	2	203543874	A/G	0.971	0.029	-0.051	0.033	0.121	20.914
rs1475346	ebi-a-GCST90027161	6	11230476	A/G	0.989	0.011	-0.116	0.062	0.062	24.210

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rs73021693	ebi-a-GCST90027161	6	160439725	G/A	0.967	0.033	0.073	0.029	0.011	22.765

rs10211137	ebi-a-GCST90027161	2	44614073	T/C	0.941	0.059	0.064	0.022	0.004	35.538
rs57824799	ebi-a-GCST90027161	4	58225311	C/T	0.952	0.048	0.055	0.022	0.014	29.065
rs12088225	ebi-a-GCST90027161	1	238610173	G/A	0.990	0.010	0.049	0.073	0.497	20.540
rs9819523	ebi-a-GCST90027161	3	64329365	C/T	0.988	0.012	0.048	0.047	0.314	21.261
rs149824217	ebi-a-GCST90027161	8	21570384	C/T	0.980	0.020	0.040	0.048	0.410	23.374
rs117200925	ebi-a-GCST90027161	12	88657433	C/T	0.988	0.012	0.036	0.052	0.487	23.621
rs180932522	ebi-a-GCST90027161	1	170018960	C/A	0.982	0.018	0.031	0.043	0.479	21.098
rs12510662	ebi-a-GCST90027161	4	91651988	G/A	0.622	0.378	0.030	0.011	0.005	20.163
rs35957539	ebi-a-GCST90027161	12	20717982	A/G	0.972	0.028	0.030	0.030	0.330	20.298
rs13166132	ebi-a-GCST90027161	5	79011910	A/G	0.615	0.385	0.029	0.010	0.005	21.891
rs79573996	ebi-a-GCST90027161	13	89636430	T/C	0.984	0.016	0.028	0.047	0.549	24.500
rs17485836	ebi-a-GCST90027161	5	88065130	C/T	0.917	0.083	0.026	0.020	0.202	23.489
rs198167	ebi-a-GCST90027161	16	24245155	A/C	0.345	0.345	0.025	0.011	0.020	24.519
rs7970343	ebi-a-GCST90027161	12	3429915	A/C	0.143	0.143	0.024	0.015	0.110	20.720
rs2063480	ebi-a-GCST90027161	3	24143497	A/G	0.791	0.209	0.023	0.012	0.059	25.317
rs11713996	ebi-a-GCST90027161	3	71483452	T/G	0.185	0.185	0.022	0.013	0.091	20.880
rs66462844	ebi-a-GCST90027161	10	56647015	C/A	0.697	0.303	0.022	0.011	0.045	23.394
rs77612555	ebi-a-GCST90027161	4	58287516	G/A	0.940	0.060	0.021	0.022	0.334	20.140
rs7134238	ebi-a-GCST90027161	12	46433963	T/G	0.548	0.452	0.020	0.010	0.051	59.289
rs34497417	ebi-a-GCST90027161	6	157417240	C/A	0.820	0.180	0.019	0.014	0.176	19.359
rs2517678	ebi-a-GCST90027161	6	29933225	C/T	0.637	0.363	0.019	0.011	0.097	41.162
rs7965658	ebi-a-GCST90027161	12	49987929	G/A	0.780	0.220	0.018	0.012	0.130	56.784
rs4739915	ebi-a-GCST90027161	8	83905102	T/C	0.221	0.221	0.017	0.013	0.192	22.676
rs6462253	ebi-a-GCST90027161	7	31210601	G/A	0.435	0.435	0.016	0.010	0.123	22.441
rs62126698	ebi-a-GCST90027161	19	7971854	C/T	0.765	0.235	0.014	0.012	0.244	19.782
rs62396204	ebi-a-GCST90027161	6	26669593	G/T	0.963	0.037	0.014	0.026	0.599	24.155
rs74946891	ebi-a-GCST90027161	2	60246739	T/C	0.857	0.143	0.014	0.015	0.365	23.573
rs10183998	ebi-a-GCST90027161	2	78210943	G/T	0.763	0.237	0.014	0.012	0.270	22.485
rs2426124	ebi-a-GCST90027161	20	47699979	C/T	0.261	0.261	0.014	0.012	0.247	23.790
rs34855425	ebi-a-GCST90027161	3	33619760	C/T	0.723	0.277	0.014	0.012	0.246	26.908
rs6090344	ebi-a-GCST90027161	20	61922957	G/A	0.781	0.219	0.014	0.013	0.290	23.642
rs1940033	ebi-a-GCST90027161	11	131882807	C/T	0.417	0.417	0.013	0.010	0.196	30.252
rs11691161	ebi-a-GCST90027161	2	42026052	A/G	0.583	0.417	0.013	0.010	0.221	23.616
rs4665972	ebi-a-GCST90027161	2	27598097	T/C	0.387	0.387	0.013	0.010	0.225	47.403
rs4604289	ebi-a-GCST90027161	6	140296625	A/G	0.525	0.475	0.012	0.010	0.251	33.807
rs591776	ebi-a-GCST90027161	12	99538895	C/T	0.366	0.366	0.011	0.011	0.286	20.671
rs12222956	ebi-a-GCST90027161	11	11636374	G/T	0.744	0.256	0.011	0.011	0.319	21.781
rs60670686	ebi-a-GCST90027161	9	36952709	A/G	0.925	0.075	0.011	0.019	0.570	25.204
rs7980663	ebi-a-GCST90027161	12	133504335	C/T	0.847	0.153	0.011	0.019	0.564	22.069
rs34109003	ebi-a-GCST90027161	14	22017905	C/T	0.876	0.124	0.009	0.016	0.545	28.742
rs1811241	ebi-a-GCST90027161	19	18235882	A/G	0.319	0.319	0.009	0.011	0.389	21.258
rs12712680	ebi-a-GCST90027161	2	40258246	A/G	0.170	0.170	0.009	0.014	0.505	23.603
rs904512	ebi-a-GCST90027161	5	10445956	G/A	0.246	0.246	0.009	0.012	0.453	22.894
rs2068650	ebi-a-GCST90027161	5	166835294	A/C	0.499	0.499	0.009	0.011	0.391	42.775
rs62374722	ebi-a-GCST90027161	5	124727250	A/G	0.904	0.097	0.008	0.020	0.687	21.933
rs56079751	ebi-a-GCST90027161	5	101666115	C/A	0.721	0.279	0.007	0.015	0.617	30.061
rs2466774	ebi-a-GCST90027161	11	132662757	C/A	0.983	0.017	0.007	0.039	0.863	20.064
rs7583813	ebi-a-GCST90027161	2	213027294	G/A	0.324	0.324	0.007	0.011	0.550	23.467
rs1851923	ebi-a-GCST90027161	3	81979057	G/A	0.433	0.433	0.007	0.010	0.515	60.838
rs2319460	ebi-a-GCST90027161	22	50248389	G/A	0.112	0.112	0.006	0.015	0.696	23.351

rs136805	ebi-a-GCST90027161	22	40018212	T/C	0.754	0.247	0.006	0.012	0.630	20.137
rs641325	ebi-a-GCST90027161	11	57681828	T/G	0.360	0.360	0.005	0.011	0.607	22.539
rs76545252	ebi-a-GCST90027161	4	166077143	G/A	0.857	0.143	0.005	0.014	0.712	21.487
rs118128608	ebi-a-GCST90027161	7	51525480	G/T	0.939	0.061	0.005	0.019	0.782	26.675
rs7802468	ebi-a-GCST90027161	7	143704416	C/T	0.649	0.351	0.004	0.011	0.683	130.080
rs5757905	ebi-a-GCST90027161	22	40684283	G/A	0.263	0.263	0.004	0.012	0.727	19.705
rs11620650	ebi-a-GCST90027161	14	78545795	T/C	0.627	0.373	0.004	0.010	0.692	23.139
rs555267	ebi-a-GCST90027161	18	40992698	G/T	0.684	0.316	0.004	0.011	0.746	36.323
rs319694	ebi-a-GCST90027161	3	47884953	C/T	0.277	0.277	0.003	0.012	0.809	27.915
rs7211048	ebi-a-GCST90027161	17	27259982	T/C	0.520	0.480	0.003	0.010	0.779	19.940
rs1148547	ebi-a-GCST90027161	12	58658343	T/C	0.477	0.477	0.002	0.010	0.838	22.174
rs378324	ebi-a-GCST90027161	3	7913064	C/T	0.439	0.439	0.002	0.010	0.855	20.034
rs17171527	ebi-a-GCST90027161	7	39117788	T/C	0.805	0.195	0.002	0.017	0.915	19.725
rs73013812	ebi-a-GCST90027161	2	147955103	C/A	0.816	0.184	0.002	0.013	0.894	22.744
rs921561	ebi-a-GCST90027161	11	97319496	A/G	0.487	0.487	0.002	0.010	0.858	22.493
rs4984686	ebi-a-GCST90027161	16	754288	C/T	0.750	0.250	0.002	0.011	0.898	28.460
rs4883888	ebi-a-GCST90027161	13	71780111	T/C	0.409	0.409	0.001	0.010	0.897	21.047
rs17095293	ebi-a-GCST90027161	14	97837137	A/C	0.782	0.218	0.001	0.013	0.949	31.287
rs11133681	ebi-a-GCST90027161	5	11924215	T/C	0.399	0.399	0.000	0.011	0.973	30.773
rs2326128	ebi-a-GCST90027161	3	85169313	A/G	0.379	0.379	0.000	0.010	0.981	61.671
rs9333287	ebi-a-GCST90027161	2	187455278	C/T	0.259	0.259	0.000	0.011	0.980	20.824
rs4791299	ebi-a-GCST90027161	17	65930937	A/G	0.787	0.213	0.000	0.012	0.992	20.500
rs72695482	ebi-a-GCST90027161	14	82455690	A/G	0.884	0.117	0.000	0.015	0.997	19.757
rs79207796	ebi-a-GCST90027161	6	69972300	C/T	0.966	0.035	0.000	0.032	0.998	23.961
rs7923705	ebi-a-GCST90027161	10	1962508	G/A	0.180	0.180	0.000	0.013	0.986	24.967
rs182549	ebi-a-GCST90027161	2	136616754	C/T	0.342	0.342	0.000	0.011	0.972	55.136
rs8067305	ebi-a-GCST90027161	17	1975657	G/A	0.441	0.441	-0.001	0.010	0.941	21.420
rs11806920	ebi-a-GCST90027161	1	88963771	C/T	0.674	0.327	-0.001	0.011	0.923	19.826
rs7159227	ebi-a-GCST90027161	14	101379930	A/G	0.200	0.200	-0.002	0.013	0.911	25.128
rs981038	ebi-a-GCST90027161	9	12078152	A/G	0.556	0.444	-0.002	0.010	0.822	25.981
rs17690171	ebi-a-GCST90027161	17	64202857	T/C	0.781	0.219	-0.002	0.012	0.844	23.945
rs144281439	ebi-a-GCST90027161	22	38158361	T/C	0.970	0.030	-0.003	0.033	0.935	23.764
rs7684	ebi-a-GCST90027161	2	211543147	T/G	0.632	0.368	-0.003	0.011	0.796	20.374
rs11060853	ebi-a-GCST90027161	12	123424071	A/G	0.594	0.406	-0.004	0.010	0.733	35.512
rs8047941	ebi-a-GCST90027161	16	8118425	G/A	0.613	0.387	-0.004	0.010	0.710	20.588
rs62007986	ebi-a-GCST90027161	15	54002001	C/T	0.835	0.165	-0.004	0.013	0.764	23.029
rs11243938	ebi-a-GCST90027161	9	135820786	G/T	0.489	0.489	-0.004	0.010	0.684	21.768
rs9515312	ebi-a-GCST90027161	13	111571836	G/A	0.348	0.348	-0.006	0.011	0.597	20.458
rs12094520	ebi-a-GCST90027161	1	98450788	C/T	0.479	0.479	-0.006	0.010	0.543	39.118
rs13023099	ebi-a-GCST90027161	2	200705623	C/A	0.481	0.481	-0.007	0.010	0.509	32.687
rs72759040	ebi-a-GCST90027161	15	89574232	T/G	0.959	0.042	-0.007	0.025	0.771	19.529
rs34421207	ebi-a-GCST90027161	6	157988153	A/G	0.498	0.498	-0.008	0.010	0.461	19.984
rs28521983	ebi-a-GCST90027161	14	98561490	T/C	0.523	0.477	-0.008	0.010	0.446	30.661
rs35901954	ebi-a-GCST90027161	5	2289041	T/C	0.866	0.134	-0.008	0.015	0.609	20.116
rs9897045	ebi-a-GCST90027161	17	74662054	A/G	0.187	0.187	-0.009	0.013	0.472	24.807
rs72823602	ebi-a-GCST90027161	17	46139167	A/G	0.951	0.049	-0.010	0.022	0.667	24.073
rs62091167	ebi-a-GCST90027161	18	53130630	A/C	0.773	0.227	-0.010	0.012	0.406	32.647
rs17676986	ebi-a-GCST90027161	7	127636958	C/T	0.872	0.128	-0.010	0.016	0.514	29.539
rs62274713	ebi-a-GCST90027161	3	102106866	A/G	0.851	0.149	-0.010	0.014	0.470	23.642
rs11013751	ebi-a-GCST90027161	10	24136008	T/C	0.806	0.194	-0.012	0.012	0.328	28.447

rs8050588	ebi-a-GCST90027161	16	30937799	G/A	0.642	0.359	-0.013	0.011	0.217	34.822
rs10966045	ebi-a-GCST90027161	9	23724832	C/T	0.716	0.284	-0.013	0.011	0.233	23.921
rs34454729	ebi-a-GCST90027161	5	99890572	G/A	0.963	0.037	-0.016	0.027	0.562	19.689
rs6772	ebi-a-GCST90027161	15	74338939	C/T	0.299	0.299	-0.016	0.011	0.133	21.827
rs12912353	ebi-a-GCST90027161	15	57516037	A/G	0.439	0.439	-0.017	0.010	0.091	20.865
rs78458885	ebi-a-GCST90027161	6	124785047	T/C	0.915	0.085	-0.018	0.017	0.297	24.302
rs2233926	ebi-a-GCST90027161	1	212870146	G/A	0.960	0.040	-0.020	0.030	0.522	22.168
rs61860539	ebi-a-GCST90027161	10	77494353	A/C	0.948	0.052	-0.020	0.029	0.499	24.026
rs34107528	ebi-a-GCST90027161	1	53537396	G/A	0.943	0.057	-0.020	0.023	0.371	19.891
rs2837612	ebi-a-GCST90027161	21	41765697	T/C	0.392	0.392	-0.020	0.010	0.049	28.624
rs9680376	ebi-a-GCST90027161	21	46583406	G/A	0.466	0.466	-0.021	0.010	0.041	30.520
rs4892250	ebi-a-GCST90027161	18	72267749	C/T	0.361	0.361	-0.021	0.011	0.053	25.420
rs10201472	ebi-a-GCST90027161	2	105451046	A/G	0.563	0.438	-0.022	0.010	0.033	20.283
rs2717041	ebi-a-GCST90027161	2	58172107	C/T	0.411	0.411	-0.023	0.010	0.026	63.036
rs1884010	ebi-a-GCST90027161	14	29243721	A/G	0.436	0.436	-0.030	0.010	0.003	22.479
rs60518757	ebi-a-GCST90027161	11	8399936	A/G	0.814	0.186	-0.034	0.020	0.085	21.114
rs115877304	ebi-a-GCST90027161	5	92797166	C/T	0.967	0.033	-0.038	0.035	0.277	31.145
rs10869806	ebi-a-GCST90027161	9	79340885	A/G	0.781	0.219	-0.039	0.012	0.001	19.593
rs17416364	ebi-a-GCST90027161	2	54892650	G/A	0.971	0.029	-0.050	0.030	0.098	20.111
rs117398588	ebi-a-GCST90027161	10	31152559	A/G	0.977	0.023	-0.058	0.032	0.072	22.266

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rs78642401	ebi-a-GCST90027161	11	62422928	A/G	0.959	0.041	0.062	0.031	0.042	20.402
rs9294508	ebi-a-GCST90027161	6	92256169	T/C	0.339	0.339	0.039	0.011	0.000	20.573
rs17786402	ebi-a-GCST90027161	3	70141710	T/C	0.953	0.047	0.023	0.023	0.322	19.564
rs9111112	ebi-a-GCST90027161	20	3144664	T/C	0.365	0.365	0.022	0.011	0.041	20.448
rs3007282	ebi-a-GCST90027161	13	105873445	G/A	0.969	0.031	0.021	0.031	0.492	19.598
rs6741354	ebi-a-GCST90027161	2	116060637	A/G	0.988	0.012	0.017	0.057	0.761	23.235
rs113434679	ebi-a-GCST90027161	17	44126765	C/A	0.853	0.148	0.017	0.016	0.305	23.583
rs117320788	ebi-a-GCST90027161	7	63979336	A/G	0.982	0.018	0.015	0.039	0.700	19.917
rs140034131	ebi-a-GCST90027161	10	130472697	T/C	0.948	0.052	0.012	0.024	0.604	21.424
rs11251526	ebi-a-GCST90027161	10	2858872	C/T	0.714	0.287	0.010	0.011	0.371	20.191
rs4763440	ebi-a-GCST90027161	12	16308792	A/C	0.801	0.199	0.009	0.013	0.465	21.338
rs136557	ebi-a-GCST90027161	22	27258572	G/T	0.597	0.403	0.009	0.010	0.392	24.918
rs12944165	ebi-a-GCST90027161	17	37347195	C/T	0.451	0.451	0.009	0.011	0.433	26.224
rs9755750	ebi-a-GCST90027161	3	23963183	G/A	0.709	0.292	0.006	0.011	0.575	26.142
rs631505	ebi-a-GCST90027161	6	11583741	T/G	0.933	0.067	0.006	0.022	0.780	25.308
rs4436414	ebi-a-GCST90027161	1	7120915	G/A	0.590	0.410	0.006	0.010	0.594	22.043
rs137878466	ebi-a-GCST90027161	3	100827337	C/T	0.992	0.008	0.004	0.070	0.952	21.930
rs4399914	ebi-a-GCST90027161	3	81965477	C/T	0.589	0.411	0.001	0.010	0.911	24.333
rs73156683	ebi-a-GCST90027161	7	99554472	C/A	0.907	0.093	0.001	0.017	0.958	20.124
rs4596239	ebi-a-GCST90027161	4	7543943	A/G	0.848	0.152	-0.006	0.014	0.653	19.717
rs12930184	ebi-a-GCST90027161	16	61098339	C/A	0.412	0.412	-0.008	0.011	0.460	22.000
rs148589464	ebi-a-GCST90027161	12	113579313	C/T	0.931	0.069	-0.010	0.022	0.655	20.191
rs60540414	ebi-a-GCST90027161	14	42726536	A/C	0.699	0.301	-0.010	0.011	0.381	26.182
rs2205171	ebi-a-GCST90027161	7	142534127	C/A	0.856	0.144	-0.011	0.015	0.445	19.805
rs10029619	ebi-a-GCST90027161	4	45024518	T/C	0.243	0.243	-0.013	0.012	0.288	19.931
rs6913885	ebi-a-GCST90027161	6	138614327	G/A	0.877	0.123	-0.016	0.015	0.280	22.047
rs8136857	ebi-a-GCST90027161	22	27396038	C/T	0.546	0.454	-0.017	0.011	0.118	23.990
rs11678980	ebi-a-GCST90027161	2	162101261	G/A	0.566	0.435	-0.022	0.010	0.035	23.372
rs117502088	ebi-a-GCST90027161	19	32240054	G/T	0.966	0.034	-0.023	0.032	0.472	19.791

rs148538549	ebi-a-GCST90027161	4	67076759	G/A	0.957	0.043	-0.026	0.025	0.306	20.271
rs58225638	ebi-a-GCST90027161	7	69447456	G/A	0.900	0.100	-0.030	0.018	0.091	21.057
rs113454868	ebi-a-GCST90027161	13	102657137	C/T	0.946	0.054	-0.031	0.022	0.168	21.247
rs75057920	ebi-a-GCST90027161	3	64572427	A/G	0.952	0.048	-0.036	0.027	0.170	20.257

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rs6569571	ebi-a-GCST90027161	6	129208150	C/T	0.901	0.099	0.059	0.017	0.001	31.439
rs34230945	ebi-a-GCST90027161	17	40996656	A/G	0.974	0.026	0.049	0.033	0.136	24.771
rs908472	ebi-a-GCST90027161	10	125329645	G/A	0.866	0.134	0.043	0.016	0.006	23.616
rs1831992	ebi-a-GCST90027161	13	100635377	C/T	0.897	0.103	0.041	0.018	0.024	29.199
rs73183115	ebi-a-GCST90027161	3	105166455	A/G	0.838	0.162	0.037	0.014	0.008	23.743
rs9537647	ebi-a-GCST90027161	13	57749024	G/A	0.939	0.061	0.029	0.025	0.233	21.459
rs11593921	ebi-a-GCST90027161	10	126696061	T/G	0.894	0.107	0.028	0.016	0.078	29.336
rs72720396	ebi-a-GCST90027161	1	91191582	A/G	0.795	0.205	0.027	0.013	0.037	34.506
rs13392900	ebi-a-GCST90027161	2	6152355	A/G	0.942	0.058	0.025	0.024	0.297	27.650
rs76292244	ebi-a-GCST90027161	12	42802386	A/C	0.980	0.020	0.024	0.035	0.494	22.763
rs12494404	ebi-a-GCST90027161	3	118441762	G/T	0.548	0.452	0.024	0.010	0.019	23.935
rs17554407	ebi-a-GCST90027161	3	44784591	G/A	0.767	0.233	0.024	0.012	0.044	31.101
rs34945071	ebi-a-GCST90027161	9	100670527	T/C	0.954	0.046	0.022	0.025	0.370	25.337
rs11120688	ebi-a-GCST90027161	1	207486115	T/C	0.736	0.264	0.021	0.012	0.079	21.916
rs17782313	ebi-a-GCST90027161	18	57851097	T/C	0.790	0.210	0.020	0.013	0.116	46.452
rs7283807	ebi-a-GCST90027161	21	22539376	C/T	0.443	0.443	0.019	0.010	0.063	20.253
rs41297217	ebi-a-GCST90027161	9	136338580	G/A	0.867	0.133	0.019	0.015	0.198	21.605
rs113038718	ebi-a-GCST90027161	7	106944706	G/A	0.920	0.080	0.018	0.017	0.266	20.548
rs115028376	ebi-a-GCST90027161	2	133664661	G/A	0.989	0.011	0.018	0.052	0.732	21.302
rs281448	ebi-a-GCST90027161	5	67295522	G/T	0.652	0.348	0.018	0.011	0.109	19.632
rs6804278	ebi-a-GCST90027161	3	115710593	A/C	0.620	0.380	0.017	0.011	0.103	21.888
rs75817396	ebi-a-GCST90027161	8	79632479	T/C	0.964	0.036	0.017	0.027	0.528	19.955
rs76013843	ebi-a-GCST90027161	22	18421519	G/A	0.979	0.021	0.017	0.032	0.595	21.094
rs10870218	ebi-a-GCST90027161	10	134793832	C/T	0.420	0.420	0.017	0.010	0.107	19.564
rs74676797	ebi-a-GCST90027161	2	633063	G/A	0.178	0.178	0.015	0.014	0.283	36.844
rs9922390	ebi-a-GCST90027161	16	7674624	G/T	0.829	0.171	0.014	0.013	0.287	32.038
rs7465384	ebi-a-GCST90027161	8	28939952	C/T	0.073	0.073	0.014	0.020	0.480	20.497
rs41477845	ebi-a-GCST90027161	2	148875566	C/T	0.977	0.023	0.014	0.038	0.718	21.278
rs730276	ebi-a-GCST90027161	13	111998110	C/T	0.691	0.309	0.013	0.011	0.237	20.835
rs3735478	ebi-a-GCST90027161	7	44800176	G/T	0.652	0.348	0.013	0.011	0.226	29.136
rs73108238	ebi-a-GCST90027161	4	30900191	C/T	0.767	0.233	0.012	0.012	0.304	21.330
rs1485725	ebi-a-GCST90027161	3	59816719	T/C	0.888	0.112	0.012	0.017	0.473	20.591
rs898751	ebi-a-GCST90027161	17	2291863	C/T	0.492	0.492	0.012	0.010	0.243	43.013
rs117368267	ebi-a-GCST90027161	6	74289016	G/A	0.980	0.020	0.011	0.037	0.763	19.620
rs10513454	ebi-a-GCST90027161	9	128673226	T/G	0.325	0.325	0.010	0.011	0.377	25.671
rs11641525	ebi-a-GCST90027161	16	89691310	G/A	0.956	0.044	0.010	0.025	0.695	20.046
rs34662493	ebi-a-GCST90027161	12	109947194	A/G	0.917	0.083	0.010	0.019	0.610	28.882
rs28657372	ebi-a-GCST90027161	4	105375274	G/A	0.384	0.384	0.010	0.011	0.356	26.822
rs6987861	ebi-a-GCST90027161	8	65709467	G/A	0.213	0.213	0.009	0.013	0.468	31.358
rs6557169	ebi-a-GCST90027161	6	152201464	T/C	0.253	0.253	0.009	0.012	0.450	23.180
rs7110786	ebi-a-GCST90027161	11	95656648	C/T	0.623	0.377	0.009	0.011	0.399	33.794
rs55877105	ebi-a-GCST90027161	2	72435343	C/T	0.680	0.320	0.009	0.011	0.427	27.457
rs71554266	ebi-a-GCST90027161	7	76716147	T/C	0.802	0.198	0.009	0.016	0.596	24.563
rs11681451	ebi-a-GCST90027161	2	225334104	T/C	0.682	0.318	0.009	0.011	0.422	28.625
rs4667823	ebi-a-GCST90027161	2	166318574	T/C	0.660	0.341	0.009	0.011	0.421	33.703

rs6092192	ebi-a-GCST90027161	20	54421626	C/A	0.761	0.239	0.008	0.012	0.482	32.108
rs9380825	ebi-a-GCST90027161	6	39010963	G/A	0.660	0.341	0.008	0.011	0.444	25.856
rs10992746	ebi-a-GCST90027161	9	96231171	T/C	0.649	0.351	0.008	0.011	0.434	21.912
rs78445696	ebi-a-GCST90027161	1	6968031	C/T	0.880	0.120	0.008	0.015	0.592	27.000
rs664088	ebi-a-GCST90027161	3	136036986	T/C	0.550	0.450	0.008	0.010	0.451	20.694
rs72687322	ebi-a-GCST90027161	8	143311781	A/G	0.939	0.061	0.007	0.020	0.717	19.957
rs78031583	ebi-a-GCST90027161	3	127349777	C/T	0.774	0.227	0.007	0.012	0.548	20.661
rs2378497	ebi-a-GCST90027161	1	222195002	A/G	0.814	0.186	0.006	0.013	0.627	20.294
rs72900104	ebi-a-GCST90027161	18	37109322	G/A	0.694	0.306	0.006	0.011	0.580	26.104
rs6447123	ebi-a-GCST90027161	4	42078241	A/G	0.853	0.147	0.006	0.014	0.685	33.492
rs7428860	ebi-a-GCST90027161	3	57112699	G/T	0.244	0.244	0.005	0.012	0.695	22.218
rs7494063	ebi-a-GCST90027161	14	29549249	A/C	0.785	0.215	0.004	0.012	0.720	28.203
rs16966271	ebi-a-GCST90027161	15	38423730	C/T	0.758	0.242	0.004	0.012	0.730	22.288
rs10189857	ebi-a-GCST90027161	2	60713235	A/G	0.548	0.452	0.004	0.010	0.704	29.697
rs57545942	ebi-a-GCST90027161	20	34183479	C/T	0.853	0.147	0.004	0.014	0.781	32.239
rs2218182	ebi-a-GCST90027161	3	34204000	G/A	0.246	0.246	0.004	0.011	0.738	33.512
rs9512996	ebi-a-GCST90027161	13	28618941	A/G	0.382	0.382	0.004	0.011	0.717	34.723
rs2849959	ebi-a-GCST90027161	21	25486725	T/G	0.438	0.438	0.004	0.010	0.717	20.381
rs10447194	ebi-a-GCST90027161	5	167678542	C/T	0.497	0.497	0.003	0.010	0.740	26.368
rs13254063	ebi-a-GCST90027161	8	137926823	A/G	0.882	0.118	0.003	0.017	0.859	21.153
rs60795232	ebi-a-GCST90027161	2	236680476	A/G	0.730	0.270	0.003	0.012	0.806	34.706
rs77126132	ebi-a-GCST90027161	7	54966738	G/A	0.896	0.104	0.003	0.016	0.871	21.149
rs9320823	ebi-a-GCST90027161	6	98429337	T/C	0.361	0.361	0.003	0.011	0.810	52.366
rs116251752	ebi-a-GCST90027161	7	153521587	C/T	0.927	0.073	0.003	0.020	0.902	22.148
rs55752919	ebi-a-GCST90027161	17	12903007	A/G	0.690	0.311	0.002	0.011	0.825	22.271
rs13251775	ebi-a-GCST90027161	8	4682684	T/C	0.841	0.159	0.002	0.014	0.879	19.996
rs67028245	ebi-a-GCST90027161	3	85394772	G/A	0.555	0.445	0.002	0.010	0.838	23.175
rs344035	ebi-a-GCST90027161	3	156461279	G/A	0.485	0.485	0.001	0.010	0.909	20.944
rs2630764	ebi-a-GCST90027161	5	176880085	C/T	0.481	0.481	0.001	0.010	0.918	28.610
rs9683091	ebi-a-GCST90027161	3	168693660	A/C	0.591	0.409	0.001	0.010	0.925	20.329
rs2393638	ebi-a-GCST90027161	10	62259224	G/A	0.382	0.382	0.001	0.010	0.960	30.574
rs6892327	ebi-a-GCST90027161	5	83907772	A/C	0.730	0.270	0.000	0.012	0.993	22.783
rs12287839	ebi-a-GCST90027161	11	89465830	G/A	0.662	0.338	0.000	0.011	0.976	24.535
rs1566085	ebi-a-GCST90027161	8	142624527	G/T	0.461	0.461	0.000	0.010	0.974	22.012
rs2742690	ebi-a-GCST90027161	1	2987268	C/A	0.820	0.181	-0.001	0.014	0.955	20.969
rs974227	ebi-a-GCST90027161	22	47230553	G/T	0.662	0.338	-0.001	0.011	0.918	21.143
rs35641542	ebi-a-GCST90027161	1	183672732	C/T	0.696	0.304	-0.001	0.011	0.906	20.462
rs4676289	ebi-a-GCST90027161	2	110021926	C/T	0.542	0.458	-0.001	0.010	0.899	23.863
rs7655113	ebi-a-GCST90027161	4	14452349	T/G	0.610	0.390	-0.001	0.014	0.924	23.661
rs7240960	ebi-a-GCST90027161	18	9606175	C/T	0.723	0.277	-0.002	0.011	0.872	24.876
rs8092827	ebi-a-GCST90027161	18	73978558	G/A	0.900	0.100	-0.002	0.016	0.905	25.782
rs1089896	ebi-a-GCST90027161	1	44627483	C/T	0.308	0.308	-0.003	0.011	0.815	27.917
rs12469841	ebi-a-GCST90027161	2	49454758	G/A	0.515	0.485	-0.003	0.010	0.754	26.194
rs2423240	ebi-a-GCST90027161	20	7372779	A/C	0.585	0.415	-0.004	0.010	0.713	19.910
rs12355844	ebi-a-GCST90027161	10	52835732	T/C	0.406	0.406	-0.004	0.010	0.706	25.634
rs4337521	ebi-a-GCST90027161	2	44856709	C/T	0.423	0.423	-0.004	0.010	0.694	30.939
rs831606	ebi-a-GCST90027161	11	33717140	T/C	0.279	0.279	-0.004	0.011	0.718	19.515
rs55933721	ebi-a-GCST90027161	1	112325089	G/T	0.784	0.216	-0.004	0.012	0.725	26.354
rs9650684	ebi-a-GCST90027161	9	15544619	A/C	0.489	0.489	-0.004	0.010	0.669	22.328
rs1241077	ebi-a-GCST90027161	18	33133859	C/T	0.404	0.404	-0.004	0.011	0.674	22.122

rs9422753	ebi-a-GCST90027161	10	126960137	T/C	0.799	0.201	-0.005	0.013	0.704	30.460
rs1698534	ebi-a-GCST90027161	14	43172343	A/G	0.187	0.187	-0.005	0.014	0.719	26.977
rs7632267	ebi-a-GCST90027161	3	49184664	G/A	0.321	0.321	-0.005	0.011	0.648	66.150
rs7349512	ebi-a-GCST90027161	3	35743058	G/A	0.731	0.269	-0.005	0.011	0.640	23.490
rs12969294	ebi-a-GCST90027161	18	35186122	A/G	0.313	0.313	-0.005	0.011	0.631	25.175
rs9539408	ebi-a-GCST90027161	13	62667019	G/A	0.691	0.309	-0.006	0.011	0.605	22.416
rs259808	ebi-a-GCST90027161	2	180791419	T/G	0.165	0.165	-0.006	0.015	0.692	25.582
rs78616403	ebi-a-GCST90027161	18	45763618	G/A	0.977	0.023	-0.006	0.031	0.851	20.187
rs62023486	ebi-a-GCST90027161	15	53070589	A/G	0.898	0.102	-0.006	0.017	0.709	25.037
rs869731	ebi-a-GCST90027161	15	47966650	C/T	0.638	0.362	-0.006	0.011	0.564	44.322
rs11903377	ebi-a-GCST90027161	2	10974489	C/T	0.781	0.219	-0.007	0.012	0.559	23.936
rs2236855	ebi-a-GCST90027161	1	29161999	C/A	0.732	0.268	-0.007	0.011	0.520	27.648
rs4533290	ebi-a-GCST90027161	16	28823755	G/A	0.756	0.244	-0.008	0.013	0.554	22.232
rs13358960	ebi-a-GCST90027161	5	14025085	T/C	0.680	0.320	-0.009	0.011	0.428	30.425
rs1122969	ebi-a-GCST90027161	2	60225263	G/A	0.484	0.484	-0.009	0.010	0.372	21.725
rs7564906	ebi-a-GCST90027161	2	144149787	A/G	0.076	0.076	-0.009	0.019	0.631	26.460
rs1147198	ebi-a-GCST90027161	9	87275348	G/T	0.224	0.224	-0.009	0.012	0.441	34.754
rs10791889	ebi-a-GCST90027161	11	66493825	C/T	0.732	0.268	-0.010	0.011	0.388	29.889
rs880597	ebi-a-GCST90027161	9	102168293	C/T	0.715	0.285	-0.010	0.012	0.388	28.666
rs6587557	ebi-a-GCST90027161	1	151137144	A/G	0.331	0.331	-0.010	0.011	0.364	21.353
rs2146704	ebi-a-GCST90027161	13	45431240	C/T	0.804	0.196	-0.010	0.013	0.433	20.466
rs3846720	ebi-a-GCST90027161	5	112563650	G/A	0.383	0.383	-0.011	0.010	0.296	20.682
rs4515295	ebi-a-GCST90027161	5	124210080	G/T	0.649	0.351	-0.011	0.011	0.288	24.401
rs1959328	ebi-a-GCST90027161	14	62470668	G/A	0.545	0.455	-0.011	0.010	0.267	19.830
rs115504893	ebi-a-GCST90027161	5	86520636	A/G	0.989	0.011	-0.012	0.050	0.812	20.190
rs1421085	ebi-a-GCST90027161	16	53800954	T/C	0.584	0.416	-0.012	0.010	0.223	65.317
rs35069754	ebi-a-GCST90027161	5	2295044	A/G	0.872	0.128	-0.013	0.016	0.396	25.307
rs55947039	ebi-a-GCST90027161	2	23917340	G/A	0.923	0.077	-0.013	0.018	0.470	27.584
rs62180988	ebi-a-GCST90027161	2	191268152	C/A	0.663	0.337	-0.014	0.011	0.204	29.992
rs9471342	ebi-a-GCST90027161	6	40394399	T/C	0.880	0.120	-0.014	0.016	0.378	20.322
rs1464284	ebi-a-GCST90027161	15	37386507	G/T	0.410	0.410	-0.015	0.011	0.146	20.357
rs12117526	ebi-a-GCST90027161	1	21497941	C/T	0.590	0.410	-0.015	0.010	0.132	25.564
rs6561943	ebi-a-GCST90027161	13	58356761	C/T	0.737	0.263	-0.016	0.011	0.162	33.438
rs7905229	ebi-a-GCST90027161	10	64643503	T/C	0.261	0.261	-0.016	0.011	0.160	24.413
rs3101336	ebi-a-GCST90027161	1	72751185	T/C	0.382	0.382	-0.016	0.011	0.126	47.308
rs10875906	ebi-a-GCST90027161	12	49385679	C/T	0.694	0.306	-0.017	0.011	0.119	31.301
rs73128410	ebi-a-GCST90027161	7	39303164	G/A	0.816	0.184	-0.017	0.013	0.190	22.978
rs12977524	ebi-a-GCST90027161	19	19568244	A/G	0.831	0.169	-0.017	0.014	0.202	25.414
rs117106302	ebi-a-GCST90027161	9	112278896	A/G	0.958	0.043	-0.018	0.025	0.477	21.948
rs72734517	ebi-a-GCST90027161	15	76101535	C/T	0.971	0.029	-0.018	0.033	0.583	27.293
rs806794	ebi-a-GCST90027161	6	26200677	A/G	0.669	0.331	-0.018	0.011	0.079	32.914
rs4408614	ebi-a-GCST90027161	18	22703126	T/C	0.657	0.343	-0.019	0.011	0.073	30.115
rs10253861	ebi-a-GCST90027161	7	8110475	G/A	0.482	0.482	-0.020	0.010	0.048	32.505
rs71532325	ebi-a-GCST90027161	8	95627966	C/T	0.641	0.359	-0.022	0.011	0.038	26.708
rs857443	ebi-a-GCST90027161	6	14621646	T/C	0.058	0.058	-0.030	0.022	0.167	20.942
rs1136165	ebi-a-GCST90027161	14	103988180	G/T	0.356	0.356	-0.031	0.011	0.003	20.796
rs148171047	ebi-a-GCST90027161	2	61378768	A/G	0.990	0.010	-0.032	0.060	0.591	20.374
rs117025524	ebi-a-GCST90027161	12	128841668	C/T	0.965	0.035	-0.036	0.030	0.220	24.146
rs11219507	ebi-a-GCST90027161	11	124092083	C/T	0.977	0.023	-0.041	0.036	0.245	22.891
rs76247036	ebi-a-GCST90027161	18	52839980	T/C	0.951	0.050	-0.044	0.027	0.102	22.951

rs145311166	ebi-a-GCST90027161	3	89240855	A/G	0.979	0.021	-0.053	0.037	0.150	33.087
rs wholemeal/wh										
rs71516154	ebi-a-GCST90027161	8	1071329	C/T	0.966	0.034	0.057	0.028	0.042	20.120
rs34230945	ebi-a-GCST90027161	17	40996656	A/G	0.974	0.026	0.049	0.033	0.136	25.430
rs111531267	ebi-a-GCST90027161	1	152113854	T/G	0.951	0.049	0.047	0.024	0.047	21.202
rs1831992	ebi-a-GCST90027161	13	100635377	C/T	0.897	0.103	0.041	0.018	0.024	28.483
rs73183115	ebi-a-GCST90027161	3	105166455	A/G	0.838	0.162	0.037	0.014	0.008	24.648
rs140058837	ebi-a-GCST90027161	3	46354619	A/G	0.977	0.023	0.034	0.044	0.445	20.507
rs139429587	ebi-a-GCST90027161	4	729741	G/A	0.985	0.015	0.030	0.045	0.507	20.710
rs9537647	ebi-a-GCST90027161	13	57749024	G/A	0.939	0.061	0.029	0.025	0.233	20.827
rs72720396	ebi-a-GCST90027161	1	91191582	A/G	0.795	0.205	0.027	0.013	0.037	38.301
rs137926116	ebi-a-GCST90027161	3	17132561	C/T	0.979	0.021	0.025	0.031	0.423	20.079
rs13392900	ebi-a-GCST90027161	2	6152355	A/G	0.942	0.058	0.025	0.024	0.297	26.298
rs200094909	ebi-a-GCST90027161	2	60263762	T/C	0.828	0.172	0.024	0.013	0.066	21.776
rs76292244	ebi-a-GCST90027161	12	42802386	A/C	0.980	0.020	0.024	0.035	0.494	21.834
rs17554407	ebi-a-GCST90027161	3	44784591	G/A	0.767	0.233	0.024	0.012	0.044	31.908
rs6782741	ebi-a-GCST90027161	3	118411464	G/T	0.654	0.347	0.022	0.011	0.042	20.885
rs11120688	ebi-a-GCST90027161	1	207486115	T/C	0.736	0.264	0.021	0.012	0.079	21.960
rs143007223	ebi-a-GCST90027161	9	112317436	T/C	0.967	0.033	0.021	0.030	0.495	21.257
rs17782313	ebi-a-GCST90027161	18	57851097	T/C	0.790	0.210	0.020	0.013	0.116	49.283
rs7283807	ebi-a-GCST90027161	21	22539376	C/T	0.443	0.443	0.019	0.010	0.063	21.078
rs41297217	ebi-a-GCST90027161	9	136338580	G/A	0.867	0.133	0.019	0.015	0.198	21.398
rs113038718	ebi-a-GCST90027161	7	106944706	G/A	0.920	0.080	0.018	0.017	0.266	20.315
rs115028376	ebi-a-GCST90027161	2	133664661	G/A	0.989	0.011	0.018	0.052	0.732	20.508
rs281448	ebi-a-GCST90027161	5	67295522	G/T	0.652	0.348	0.018	0.011	0.109	19.511
rs6804278	ebi-a-GCST90027161	3	115710593	A/C	0.620	0.380	0.017	0.011	0.103	22.180
rs75817396	ebi-a-GCST90027161	8	79632479	T/C	0.964	0.036	0.017	0.027	0.528	20.696
rs76013843	ebi-a-GCST90027161	22	18421519	G/A	0.979	0.021	0.017	0.032	0.595	20.912
rs7078075	ebi-a-GCST90027161	10	82162768	A/G	0.302	0.302	0.017	0.011	0.124	19.518
rs17495393	ebi-a-GCST90027161	3	1317094	G/T	0.892	0.108	0.017	0.019	0.369	20.623
rs12517711	ebi-a-GCST90027161	5	60754661	T/C	0.624	0.376	0.016	0.011	0.140	26.305
rs74676797	ebi-a-GCST90027161	2	633063	G/A	0.178	0.178	0.015	0.014	0.283	37.768
rs9922390	ebi-a-GCST90027161	16	7674624	G/T	0.829	0.171	0.014	0.013	0.287	32.610
rs1109511	ebi-a-GCST90027161	6	158438933	G/A	0.615	0.385	0.014	0.011	0.192	19.620
rs7460987	ebi-a-GCST90027161	8	28942486	C/T	0.073	0.073	0.013	0.020	0.498	22.502
rs730276	ebi-a-GCST90027161	13	111998110	C/T	0.691	0.309	0.013	0.011	0.237	20.423
rs3735478	ebi-a-GCST90027161	7	44800176	G/T	0.652	0.348	0.013	0.011	0.226	28.529
rs1485725	ebi-a-GCST90027161	3	59816719	T/C	0.888	0.112	0.012	0.017	0.473	20.003
rs898751	ebi-a-GCST90027161	17	2291863	C/T	0.492	0.492	0.012	0.010	0.243	41.020
rs10513454	ebi-a-GCST90027161	9	128673226	T/G	0.325	0.325	0.010	0.011	0.377	28.577
rs11641525	ebi-a-GCST90027161	16	89691310	G/A	0.956	0.044	0.010	0.025	0.695	20.281
rs34662493	ebi-a-GCST90027161	12	109947194	A/G	0.917	0.083	0.010	0.019	0.610	30.489
rs28657372	ebi-a-GCST90027161	4	105375274	G/A	0.384	0.384	0.010	0.011	0.356	24.372
rs35091253	ebi-a-GCST90027161	14	29579558	C/T	0.783	0.217	0.009	0.012	0.435	25.686
rs6987861	ebi-a-GCST90027161	8	65709467	G/A	0.213	0.213	0.009	0.013	0.468	30.540
rs6557169	ebi-a-GCST90027161	6	152201464	T/C	0.253	0.253	0.009	0.012	0.450	24.616
rs7110786	ebi-a-GCST90027161	11	95656648	C/T	0.623	0.377	0.009	0.011	0.399	34.130
rs55877105	ebi-a-GCST90027161	2	72435343	C/T	0.680	0.320	0.009	0.011	0.427	26.434
rs71554266	ebi-a-GCST90027161	7	76716147	T/C	0.802	0.198	0.009	0.016	0.596	25.022
rs11681451	ebi-a-GCST90027161	2	225334104	T/C	0.682	0.318	0.009	0.011	0.422	27.480

rs4667823	ebi-a-GCST90027161	2	166318574	T/C	0.660	0.341	0.009	0.011	0.421	35.057
rs6092192	ebi-a-GCST90027161	20	54421626	C/A	0.761	0.239	0.008	0.012	0.482	31.207
rs9380825	ebi-a-GCST90027161	6	39010963	G/A	0.660	0.341	0.008	0.011	0.444	26.481
rs3859118	ebi-a-GCST90027161	16	50252235	A/G	0.863	0.137	0.008	0.015	0.596	31.103
rs78445696	ebi-a-GCST90027161	1	6968031	C/T	0.880	0.120	0.008	0.015	0.592	26.651
rs7626308	ebi-a-GCST90027161	3	116578624	C/T	0.267	0.267	0.008	0.012	0.507	23.453
rs664088	ebi-a-GCST90027161	3	136036986	T/C	0.550	0.450	0.008	0.010	0.451	22.148
rs72687322	ebi-a-GCST90027161	8	143311781	A/G	0.939	0.061	0.007	0.020	0.717	21.343
rs2378497	ebi-a-GCST90027161	1	222195002	A/G	0.814	0.186	0.006	0.013	0.627	21.054
rs72900104	ebi-a-GCST90027161	18	37109322	G/A	0.694	0.306	0.006	0.011	0.580	25.268
rs6447123	ebi-a-GCST90027161	4	42078241	A/G	0.853	0.147	0.006	0.014	0.685	34.529
rs7428860	ebi-a-GCST90027161	3	57112699	G/T	0.244	0.244	0.005	0.012	0.695	22.658
rs16966271	ebi-a-GCST90027161	15	38423730	C/T	0.758	0.242	0.004	0.012	0.730	23.657
rs10189857	ebi-a-GCST90027161	2	60713235	A/G	0.548	0.452	0.004	0.010	0.704	26.644
rs2218182	ebi-a-GCST90027161	3	34204000	G/A	0.246	0.246	0.004	0.011	0.738	34.299
rs9512996	ebi-a-GCST90027161	13	28618941	A/G	0.382	0.382	0.004	0.011	0.717	36.310
rs2849959	ebi-a-GCST90027161	21	25486725	T/G	0.438	0.438	0.004	0.010	0.717	20.763
rs10447194	ebi-a-GCST90027161	5	167678542	C/T	0.497	0.497	0.003	0.010	0.740	25.734
rs13254063	ebi-a-GCST90027161	8	137926823	A/G	0.882	0.118	0.003	0.017	0.859	21.028
rs60795232	ebi-a-GCST90027161	2	236680476	A/G	0.730	0.270	0.003	0.012	0.806	31.010
rs1111207	ebi-a-GCST90027161	18	24125857	T/C	0.586	0.414	0.003	0.010	0.797	34.450
rs6727168	ebi-a-GCST90027161	2	207989470	T/C	0.657	0.343	0.003	0.011	0.801	19.760
rs77126132	ebi-a-GCST90027161	7	54966738	G/A	0.896	0.104	0.003	0.016	0.871	21.554
rs9320823	ebi-a-GCST90027161	6	98429337	T/C	0.361	0.361	0.003	0.011	0.810	54.526
rs6430204	ebi-a-GCST90027161	2	148343718	C/T	0.542	0.458	0.003	0.010	0.809	21.476
rs1788817	ebi-a-GCST90027161	18	21097460	A/G	0.499	0.499	0.002	0.010	0.809	20.134
rs55752919	ebi-a-GCST90027161	17	12903007	A/G	0.690	0.311	0.002	0.011	0.825	23.565
rs7079591	ebi-a-GCST90027161	10	133778652	A/C	0.631	0.369	0.002	0.011	0.877	25.552
rs73089903	ebi-a-GCST90027161	20	14839437	T/G	0.803	0.197	0.001	0.013	0.917	19.752
rs344035	ebi-a-GCST90027161	3	156461279	G/A	0.485	0.485	0.001	0.010	0.909	20.856
rs2630764	ebi-a-GCST90027161	5	176880085	C/T	0.481	0.481	0.001	0.010	0.918	27.700
rs9683091	ebi-a-GCST90027161	3	168693660	A/C	0.591	0.409	0.001	0.010	0.925	21.047
rs2393638	ebi-a-GCST90027161	10	62259224	G/A	0.382	0.382	0.001	0.010	0.960	28.431
rs6892327	ebi-a-GCST90027161	5	83907772	A/C	0.730	0.270	0.000	0.012	0.993	21.438
rs12287839	ebi-a-GCST90027161	11	89465830	G/A	0.662	0.338	0.000	0.011	0.976	26.368
rs1566085	ebi-a-GCST90027161	8	142624527	G/T	0.461	0.461	0.000	0.010	0.974	22.248
rs41270141	ebi-a-GCST90027161	9	22451039	T/C	0.976	0.024	-0.001	0.048	0.992	19.457
rs2742690	ebi-a-GCST90027161	1	2987268	C/A	0.820	0.181	-0.001	0.014	0.955	21.811
rs224444	ebi-a-GCST90027161	20	34160774	T/C	0.331	0.331	-0.001	0.017	0.948	32.437
rs2967068	ebi-a-GCST90027161	5	36395021	C/T	0.727	0.274	-0.001	0.011	0.924	19.374
rs974227	ebi-a-GCST90027161	22	47230553	G/T	0.662	0.338	-0.001	0.011	0.918	20.136
rs117196834	ebi-a-GCST90027161	11	4409212	G/T	0.970	0.030	-0.001	0.034	0.971	20.469
rs35641542	ebi-a-GCST90027161	1	183672732	C/T	0.696	0.304	-0.001	0.011	0.906	21.866
rs4676289	ebi-a-GCST90027161	2	110021926	C/T	0.542	0.458	-0.001	0.010	0.899	24.919
rs11888351	ebi-a-GCST90027161	2	192569662	G/A	0.810	0.190	-0.002	0.013	0.901	20.026
rs7240960	ebi-a-GCST90027161	18	9606175	C/T	0.723	0.277	-0.002	0.011	0.872	23.485
rs8092827	ebi-a-GCST90027161	18	73978558	G/A	0.900	0.100	-0.002	0.016	0.905	24.932
rs10019405	ebi-a-GCST90027161	4	30546044	C/A	0.266	0.266	-0.002	0.012	0.857	22.412
rs803383	ebi-a-GCST90027161	1	44609764	G/T	0.365	0.365	-0.002	0.011	0.824	28.918
rs11882956	ebi-a-GCST90027161	19	5900470	G/A	0.968	0.032	-0.003	0.026	0.909	19.795

rs12469841	ebi-a-GCST90027161	2	49454758	G/A	0.515	0.485	-0.003	0.010	0.754	25.242
rs12355844	ebi-a-GCST90027161	10	52835732	T/C	0.406	0.406	-0.004	0.010	0.706	27.756
rs4337521	ebi-a-GCST90027161	2	44856709	C/T	0.423	0.423	-0.004	0.010	0.694	29.431
rs831606	ebi-a-GCST90027161	11	33717140	T/C	0.279	0.279	-0.004	0.011	0.718	20.959
rs55933721	ebi-a-GCST90027161	1	112325089	G/T	0.784	0.216	-0.004	0.012	0.725	28.370
rs9650684	ebi-a-GCST90027161	9	15544619	A/C	0.489	0.489	-0.004	0.010	0.669	21.296
rs1241077	ebi-a-GCST90027161	18	33133859	C/T	0.404	0.404	-0.004	0.011	0.674	22.919
rs9422753	ebi-a-GCST90027161	10	126960137	T/C	0.799	0.201	-0.005	0.013	0.704	31.431
rs1698534	ebi-a-GCST90027161	14	43172343	A/G	0.187	0.187	-0.005	0.014	0.719	24.820
rs7632267	ebi-a-GCST90027161	3	49184664	G/A	0.321	0.321	-0.005	0.011	0.648	67.590
rs7349512	ebi-a-GCST90027161	3	35743058	G/A	0.731	0.269	-0.005	0.011	0.640	22.402
rs12969294	ebi-a-GCST90027161	18	35186122	A/G	0.313	0.313	-0.005	0.011	0.631	26.921
rs10902540	ebi-a-GCST90027161	15	98681332	C/T	0.386	0.386	-0.006	0.011	0.605	20.042
rs9539408	ebi-a-GCST90027161	13	62667019	G/A	0.691	0.309	-0.006	0.011	0.605	22.441
rs259808	ebi-a-GCST90027161	2	180791419	T/G	0.165	0.165	-0.006	0.015	0.692	26.120
rs78616403	ebi-a-GCST90027161	18	45763618	G/A	0.977	0.023	-0.006	0.031	0.851	21.137
rs62023486	ebi-a-GCST90027161	15	53070589	A/G	0.898	0.102	-0.006	0.017	0.709	25.179
rs869731	ebi-a-GCST90027161	15	47966650	C/T	0.638	0.362	-0.006	0.011	0.564	45.913
rs11903377	ebi-a-GCST90027161	2	10974489	C/T	0.781	0.219	-0.007	0.012	0.559	24.036
rs2236855	ebi-a-GCST90027161	1	29161999	C/A	0.732	0.268	-0.007	0.011	0.520	25.821
rs1544611	ebi-a-GCST90027161	7	153525542	T/C	0.201	0.201	-0.008	0.013	0.552	23.135
rs4533290	ebi-a-GCST90027161	16	28823755	G/A	0.756	0.244	-0.008	0.013	0.554	21.475
rs7564906	ebi-a-GCST90027161	2	144149787	A/G	0.076	0.076	-0.009	0.019	0.631	26.961
rs1147198	ebi-a-GCST90027161	9	87275348	G/T	0.224	0.224	-0.009	0.012	0.441	35.491
rs16903000	ebi-a-GCST90027161	5	13995236	T/C	0.693	0.308	-0.010	0.011	0.380	29.189
rs10791889	ebi-a-GCST90027161	11	66493825	C/T	0.732	0.268	-0.010	0.011	0.388	31.581
rs880597	ebi-a-GCST90027161	9	102168293	C/T	0.715	0.285	-0.010	0.012	0.388	28.345
rs139561736	ebi-a-GCST90027161	4	14277304	C/A	0.967	0.033	-0.010	0.027	0.705	22.998
rs2146704	ebi-a-GCST90027161	13	45431240	C/T	0.804	0.196	-0.010	0.013	0.433	22.330
rs72751011	ebi-a-GCST90027161	9	83293975	G/A	0.825	0.175	-0.010	0.014	0.449	20.517
rs317454	ebi-a-GCST90027161	10	110056317	C/T	0.652	0.348	-0.011	0.011	0.323	19.558
rs112119986	ebi-a-GCST90027161	8	9858266	C/T	0.967	0.033	-0.011	0.031	0.726	21.336
rs4515295	ebi-a-GCST90027161	5	124210080	G/T	0.649	0.351	-0.011	0.011	0.288	26.870
rs1959328	ebi-a-GCST90027161	14	62470668	G/A	0.545	0.455	-0.011	0.010	0.267	22.376
rs115504893	ebi-a-GCST90027161	5	86520636	A/G	0.989	0.011	-0.012	0.050	0.812	20.661
rs1421085	ebi-a-GCST90027161	16	53800954	T/C	0.584	0.416	-0.012	0.010	0.223	64.360
rs4655587	ebi-a-GCST90027161	1	66197680	G/A	0.257	0.257	-0.013	0.012	0.269	20.555
rs35069754	ebi-a-GCST90027161	5	2295044	A/G	0.872	0.128	-0.013	0.016	0.396	25.452
rs55947039	ebi-a-GCST90027161	2	23917340	G/A	0.923	0.077	-0.013	0.018	0.470	26.295
rs62180988	ebi-a-GCST90027161	2	191268152	C/A	0.663	0.337	-0.014	0.011	0.204	29.869
rs9471342	ebi-a-GCST90027161	6	40394399	T/C	0.880	0.120	-0.014	0.016	0.378	21.281
rs7633256	ebi-a-GCST90027161	3	85218233	T/G	0.142	0.142	-0.014	0.014	0.317	23.953
rs1464284	ebi-a-GCST90027161	15	37386507	G/T	0.410	0.410	-0.015	0.011	0.146	19.847
rs12117526	ebi-a-GCST90027161	1	21497941	C/T	0.590	0.410	-0.015	0.010	0.132	25.370
rs6561943	ebi-a-GCST90027161	13	58356761	C/T	0.737	0.263	-0.016	0.011	0.162	30.308
rs3101336	ebi-a-GCST90027161	1	72751185	T/C	0.382	0.382	-0.016	0.011	0.126	48.859
rs10875906	ebi-a-GCST90027161	12	49385679	C/T	0.694	0.306	-0.017	0.011	0.119	29.898
rs73128410	ebi-a-GCST90027161	7	39303164	G/A	0.816	0.184	-0.017	0.013	0.190	23.225
rs12977524	ebi-a-GCST90027161	19	19568244	A/G	0.831	0.169	-0.017	0.014	0.202	24.587
rs72734517	ebi-a-GCST90027161	15	76101535	C/T	0.971	0.029	-0.018	0.033	0.583	29.409

rs806794	ebi-a-GCST90027161	6	26200677	A/G	0.669	0.331	-0.018	0.011	0.079	32.938
rs10751611	ebi-a-GCST90027161	10	126658893	A/G	0.257	0.257	-0.019	0.012	0.107	30.971
rs4408614	ebi-a-GCST90027161	18	22703126	T/C	0.657	0.343	-0.019	0.011	0.073	28.865
rs10253861	ebi-a-GCST90027161	7	8110475	G/A	0.482	0.482	-0.020	0.010	0.048	32.976
rs71532325	ebi-a-GCST90027161	8	95627966	C/T	0.641	0.359	-0.022	0.011	0.038	27.538
rs150714453	ebi-a-GCST90027161	5	159682039	C/T	0.969	0.031	-0.030	0.030	0.311	19.701
rs857443	ebi-a-GCST90027161	6	14621646	T/C	0.058	0.058	-0.030	0.022	0.167	21.349
rs1136165	ebi-a-GCST90027161	14	103988180	G/T	0.356	0.356	-0.031	0.011	0.003	21.349
rs73030557	ebi-a-GCST90027161	2	169249486	T/C	0.948	0.052	-0.032	0.026	0.222	19.463
rs148171047	ebi-a-GCST90027161	2	61378768	A/G	0.990	0.010	-0.032	0.060	0.591	20.786
rs117025524	ebi-a-GCST90027161	12	128841668	C/T	0.965	0.035	-0.036	0.030	0.220	23.038
rs11219507	ebi-a-GCST90027161	11	124092083	C/T	0.977	0.023	-0.041	0.036	0.245	23.772
rs79471052	ebi-a-GCST90027161	18	52853788	C/T	0.950	0.050	-0.043	0.027	0.104	22.018
rs145311166	ebi-a-GCST90027161	3	89240855	A/G	0.979	0.021	-0.053	0.037	0.150	34.661

: Wholemeal or

rs114621346	ebi-a-GCST90027161	1	159171474	G/A	0.981	0.019	0.054	0.035	0.126	22.680
rs76176628	ebi-a-GCST90027161	19	36345767	T/C	0.949	0.051	0.037	0.024	0.119	27.617
rs10977243	ebi-a-GCST90027161	9	8672042	A/G	0.922	0.078	0.034	0.021	0.102	19.735
rs12277713	ebi-a-GCST90027161	11	133528521	T/C	0.494	0.494	0.031	0.010	0.003	22.492
rs13053329	ebi-a-GCST90027161	22	31502732	A/G	0.553	0.447	0.023	0.010	0.026	20.342
rs66922415	ebi-a-GCST90027161	18	57848651	A/G	0.790	0.210	0.020	0.013	0.112	40.296
rs552334	ebi-a-GCST90027161	11	95595694	T/C	0.478	0.478	0.020	0.010	0.054	30.927
rs11102404	ebi-a-GCST90027161	1	112721915	G/A	0.344	0.344	0.019	0.011	0.078	30.153
rs370790808	ebi-a-GCST90027161	5	152146093	C/T	0.769	0.231	0.019	0.016	0.244	22.246
rs35996140	ebi-a-GCST90027161	3	68521478	C/A	0.774	0.226	0.018	0.012	0.142	20.333
rs13012149	ebi-a-GCST90027161	2	122611171	G/A	0.422	0.422	0.017	0.010	0.101	20.169
rs2694633	ebi-a-GCST90027161	2	61540642	A/C	0.332	0.332	0.017	0.011	0.121	24.389
rs35164264	ebi-a-GCST90027161	17	41150021	A/G	0.938	0.062	0.013	0.025	0.587	22.391
rs2710627	ebi-a-GCST90027161	2	32758627	A/G	0.356	0.356	0.013	0.011	0.225	24.046
rs2471325	ebi-a-GCST90027161	4	3024044	C/T	0.655	0.345	0.013	0.011	0.229	28.131
rs587978	ebi-a-GCST90027161	11	105801770	C/T	0.517	0.483	0.013	0.010	0.216	24.834
rs898751	ebi-a-GCST90027161	17	2291863	C/T	0.492	0.492	0.012	0.010	0.243	27.171
rs4698920	ebi-a-GCST90027161	4	105379055	G/A	0.368	0.368	0.010	0.011	0.344	29.668
rs11641525	ebi-a-GCST90027161	16	89691310	G/A	0.956	0.044	0.010	0.025	0.695	24.345
rs34118828	ebi-a-GCST90027161	15	27026260	G/A	0.623	0.377	0.009	0.010	0.369	27.147
rs3795944	ebi-a-GCST90027161	2	23920545	A/G	0.434	0.434	0.009	0.010	0.370	23.117
rs60313989	ebi-a-GCST90027161	8	132075266	G/A	0.578	0.422	0.009	0.010	0.370	19.319
rs2037711	ebi-a-GCST90027161	13	85476417	C/A	0.670	0.330	0.009	0.011	0.392	19.835
rs117875805	ebi-a-GCST90027161	7	53786445	T/C	0.972	0.028	0.009	0.031	0.772	21.403
rs11681451	ebi-a-GCST90027161	2	225334104	T/C	0.682	0.318	0.009	0.011	0.422	29.493
rs1346075	ebi-a-GCST90027161	4	68028922	T/G	0.495	0.495	0.008	0.010	0.409	20.095
rs9847830	ebi-a-GCST90027161	3	100861030	A/C	0.848	0.152	0.008	0.015	0.578	19.773
rs72913870	ebi-a-GCST90027161	3	89047588	G/A	0.904	0.096	0.008	0.018	0.668	33.155
rs62525716	ebi-a-GCST90027161	8	130056308	C/T	0.892	0.108	0.008	0.018	0.671	21.025
rs4883913	ebi-a-GCST90027161	13	73145459	T/C	0.597	0.403	0.007	0.010	0.474	20.076
rs4686704	ebi-a-GCST90027161	3	185579020	A/G	0.640	0.360	0.007	0.010	0.481	22.345
rs7562697	ebi-a-GCST90027161	2	181918896	A/G	0.286	0.286	0.007	0.012	0.532	20.513
rs9352784	ebi-a-GCST90027161	6	80604130	G/A	0.884	0.116	0.007	0.016	0.666	20.774
rs10865037	ebi-a-GCST90027161	2	100871361	T/C	0.596	0.404	0.007	0.010	0.522	19.723
rs12434775	ebi-a-GCST90027161	14	69524809	G/A	0.665	0.335	0.006	0.011	0.552	22.177

rs1788823	ebi-a-GCST90027161	18	21114917	A/G	0.337	0.337	0.006	0.011	0.570	33.261
rs16890052	ebi-a-GCST90027161	6	79184742	T/C	0.828	0.172	0.006	0.013	0.671	20.464
rs6014531	ebi-a-GCST90027161	20	54403893	C/T	0.365	0.365	0.006	0.011	0.597	19.824
rs2121884	ebi-a-GCST90027161	9	114638982	A/C	0.339	0.339	0.005	0.011	0.622	20.552
rs6057026	ebi-a-GCST90027161	20	9904213	G/A	0.235	0.235	0.005	0.013	0.688	19.369
rs9597573	ebi-a-GCST90027161	13	58110178	T/C	0.582	0.418	0.005	0.010	0.638	20.845
rs2959495	ebi-a-GCST90027161	18	62113144	C/A	0.529	0.471	0.005	0.010	0.652	21.467
rs4655090	ebi-a-GCST90027161	1	23011945	C/T	0.746	0.254	0.004	0.012	0.752	21.955
rs60795232	ebi-a-GCST90027161	2	236680476	A/G	0.730	0.270	0.003	0.012	0.806	29.572
rs1061808	ebi-a-GCST90027161	6	32136547	T/G	0.387	0.387	0.003	0.011	0.793	37.277
rs6780833	ebi-a-GCST90027161	3	137067993	G/A	0.623	0.378	0.003	0.011	0.793	29.645
rs696815	ebi-a-GCST90027161	2	198688084	A/C	0.329	0.329	0.003	0.011	0.801	24.826
rs6430204	ebi-a-GCST90027161	2	148343718	C/T	0.542	0.458	0.003	0.010	0.809	27.909
rs8008842	ebi-a-GCST90027161	14	41300060	A/G	0.554	0.447	0.003	0.010	0.810	21.593
rs1472157	ebi-a-GCST90027161	9	81788743	T/C	0.347	0.347	0.002	0.011	0.857	26.452
rs35287743	ebi-a-GCST90027161	12	110057250	G/T	0.887	0.113	0.002	0.016	0.901	32.211
rs34130665	ebi-a-GCST90027161	2	215383374	C/T	0.540	0.460	0.002	0.010	0.872	19.976
rs1039720	ebi-a-GCST90027161	18	73758482	G/A	0.215	0.215	0.002	0.012	0.897	24.402
rs13147599	ebi-a-GCST90027161	4	93784286	A/G	0.948	0.052	0.002	0.026	0.955	21.293
rs13248299	ebi-a-GCST90027161	8	106306761	C/T	0.477	0.477	0.000	0.010	0.984	20.653
rs6882046	ebi-a-GCST90027161	5	87968864	A/G	0.769	0.231	0.000	0.012	0.996	44.873
rs10986931	ebi-a-GCST90027161	9	128564209	C/T	0.380	0.380	-0.001	0.011	0.908	21.068
rs117794620	ebi-a-GCST90027161	17	28991182	A/G	0.975	0.025	-0.001	0.035	0.972	23.071
rs281219	ebi-a-GCST90027161	15	47711652	A/G	0.227	0.227	-0.001	0.012	0.908	36.335
rs2491244	ebi-a-GCST90027161	13	28599914	G/A	0.423	0.423	-0.002	0.010	0.859	28.163
rs112423942	ebi-a-GCST90027161	4	189790022	C/T	0.960	0.041	-0.002	0.028	0.941	21.867
rs10889706	ebi-a-GCST90027161	1	41350787	A/C	0.672	0.328	-0.003	0.011	0.796	24.317
rs11882956	ebi-a-GCST90027161	19	5900470	G/A	0.968	0.032	-0.003	0.026	0.909	21.213
rs12137549	ebi-a-GCST90027161	1	190872114	T/C	0.652	0.348	-0.003	0.011	0.773	20.463
rs7871511	ebi-a-GCST90027161	9	5555160	A/C	0.822	0.178	-0.003	0.013	0.812	20.800
rs7921305	ebi-a-GCST90027161	10	133775196	G/A	0.754	0.246	-0.003	0.012	0.793	33.811
rs1308512	ebi-a-GCST90027161	9	87279298	A/G	0.188	0.188	-0.003	0.013	0.802	26.174
rs4791393	ebi-a-GCST90027161	17	7822466	C/T	0.949	0.051	-0.003	0.023	0.885	20.255
rs79416180	ebi-a-GCST90027161	7	136623471	C/T	0.887	0.113	-0.003	0.015	0.829	19.640
rs2726259	ebi-a-GCST90027161	18	37198341	C/A	0.661	0.339	-0.003	0.011	0.754	30.409
rs745136	ebi-a-GCST90027161	15	96899827	T/G	0.450	0.450	-0.003	0.011	0.751	23.065
rs3999544	ebi-a-GCST90027161	6	26285867	C/T	0.528	0.472	-0.004	0.015	0.809	25.749
rs11018771	ebi-a-GCST90027161	11	89488562	T/C	0.652	0.348	-0.004	0.011	0.746	22.745
rs12629217	ebi-a-GCST90027161	3	143442254	C/T	0.770	0.230	-0.004	0.012	0.752	22.348
rs79958999	ebi-a-GCST90027161	13	40758670	G/A	0.991	0.009	-0.004	0.071	0.956	24.095
rs11692083	ebi-a-GCST90027161	2	59212187	G/A	0.450	0.450	-0.005	0.010	0.663	35.281
rs112060520	ebi-a-GCST90027161	3	117671421	G/T	0.737	0.263	-0.005	0.012	0.698	22.751
rs7784688	ebi-a-GCST90027161	7	32966042	T/C	0.396	0.396	-0.005	0.010	0.655	20.112
rs9422753	ebi-a-GCST90027161	10	126960137	T/C	0.799	0.201	-0.005	0.013	0.704	28.369
rs2660338	ebi-a-GCST90027161	4	41982707	A/C	0.149	0.149	-0.006	0.014	0.649	25.956
rs10168768	ebi-a-GCST90027161	2	137484713	G/T	0.432	0.432	-0.006	0.010	0.528	23.198
rs2417261	ebi-a-GCST90027161	12	13414139	T/G	0.133	0.133	-0.006	0.014	0.651	20.203
rs72880354	ebi-a-GCST90027161	1	28683713	G/A	0.678	0.322	-0.007	0.011	0.520	19.834
rs4762172	ebi-a-GCST90027161	12	95493912	T/C	0.922	0.078	-0.008	0.019	0.686	24.668
rs72843234	ebi-a-GCST90027161	2	134435162	T/C	0.977	0.023	-0.008	0.036	0.829	20.015

rs2631024	ebi-a-GCST90027161	8	91995577	A/G	0.278	0.278	-0.008	0.011	0.459	26.091
rs1557341	ebi-a-GCST90027161	18	35127427	A/C	0.304	0.304	-0.008	0.011	0.460	22.613
rs7626445	ebi-a-GCST90027161	3	49114544	C/T	0.340	0.340	-0.009	0.011	0.423	31.540
rs6978112	ebi-a-GCST90027161	7	1966841	C/T	0.599	0.401	-0.009	0.010	0.388	38.200
rs7939241	ebi-a-GCST90027161	11	114859696	A/G	0.205	0.205	-0.009	0.013	0.481	27.220
rs13064450	ebi-a-GCST90027161	3	21077708	G/A	0.566	0.435	-0.010	0.010	0.349	25.194
rs16903000	ebi-a-GCST90027161	5	13995236	T/C	0.693	0.308	-0.010	0.011	0.380	23.843
rs880597	ebi-a-GCST90027161	9	102168293	C/T	0.715	0.285	-0.010	0.012	0.388	24.234
rs961936	ebi-a-GCST90027161	11	29778265	A/G	0.572	0.428	-0.010	0.010	0.328	20.706
rs139954992	ebi-a-GCST90027161	22	50992048	G/A	0.975	0.025	-0.011	0.031	0.727	19.970
rs335352	ebi-a-GCST90027161	6	155623709	G/A	0.335	0.335	-0.012	0.011	0.276	21.453
rs1421085	ebi-a-GCST90027161	16	53800954	T/C	0.584	0.416	-0.012	0.010	0.223	84.782
rs61817482	ebi-a-GCST90027161	1	204570347	G/A	0.781	0.219	-0.013	0.012	0.284	25.528
rs35069754	ebi-a-GCST90027161	5	2295044	A/G	0.872	0.128	-0.013	0.016	0.396	22.132
rs62180989	ebi-a-GCST90027161	2	191271244	C/T	0.663	0.337	-0.014	0.011	0.203	27.421
rs150262359	ebi-a-GCST90027161	16	29006757	G/A	0.927	0.073	-0.014	0.019	0.468	21.395
rs11652858	ebi-a-GCST90027161	17	46844996	C/T	0.681	0.319	-0.014	0.011	0.193	23.644
rs111650147	ebi-a-GCST90027161	1	95528581	T/C	0.962	0.038	-0.015	0.028	0.583	21.763
rs3785229	ebi-a-GCST90027161	16	7670999	A/G	0.452	0.452	-0.016	0.010	0.130	33.209
rs150978694	ebi-a-GCST90027161	16	26515201	C/T	0.979	0.021	-0.016	0.039	0.684	21.246
rs2117028	ebi-a-GCST90027161	12	49480948	G/A	0.508	0.492	-0.017	0.010	0.104	26.102
rs77403093	ebi-a-GCST90027161	17	57220124	C/T	0.658	0.342	-0.017	0.011	0.096	20.304
rs72734517	ebi-a-GCST90027161	15	76101535	C/T	0.971	0.029	-0.018	0.033	0.583	19.561
rs11251692	ebi-a-GCST90027161	10	364707	C/T	0.876	0.124	-0.019	0.016	0.234	21.753
rs11128045	ebi-a-GCST90027161	3	88498034	T/C	0.603	0.397	-0.019	0.010	0.064	20.977
rs10253861	ebi-a-GCST90027161	7	8110475	G/A	0.482	0.482	-0.020	0.010	0.048	27.117
rs34330406	ebi-a-GCST90027161	2	180803486	C/T	0.987	0.013	-0.022	0.048	0.650	22.477
rs11227478	ebi-a-GCST90027161	11	66173400	G/A	0.793	0.207	-0.022	0.012	0.072	30.390
rs2425052	ebi-a-GCST90027161	20	33880729	A/C	0.542	0.459	-0.023	0.010	0.025	25.907
rs150534	ebi-a-GCST90027161	5	60503133	G/A	0.477	0.477	-0.024	0.010	0.018	31.772
rs117764493	ebi-a-GCST90027161	13	102131922	T/G	0.980	0.020	-0.028	0.040	0.483	20.480
rs587806	ebi-a-GCST90027161	11	119882908	T/C	0.100	0.100	-0.029	0.017	0.093	21.792
rs76157199	ebi-a-GCST90027161	2	98541874	A/G	0.969	0.031	-0.031	0.031	0.318	20.162
rs115005266	ebi-a-GCST90027161	6	24249780	C/T	0.977	0.024	-0.050	0.034	0.141	19.475
rs62366395	ebi-a-GCST90027161	5	104370644	G/A	0.952	0.048	-0.051	0.025	0.037	21.288
rs151150389	ebi-a-GCST90027161	8	28897171	T/C	0.966	0.034	-0.060	0.031	0.050	24.179

neal/wholegrain

rs79654256	ebi-a-GCST90027161	15	72546490	G/A	0.982	0.018	0.117	0.042	0.006	20.280
rs114621346	ebi-a-GCST90027161	1	159171474	G/A	0.981	0.019	0.054	0.035	0.126	19.842
rs111499617	ebi-a-GCST90027161	8	42397427	G/A	0.983	0.017	0.044	0.043	0.310	20.862
rs34040267	ebi-a-GCST90027161	6	128868583	T/C	0.946	0.054	0.038	0.021	0.068	20.800
rs10977243	ebi-a-GCST90027161	9	8672042	A/G	0.922	0.078	0.034	0.021	0.102	20.415
rs11772223	ebi-a-GCST90027161	7	44380227	A/G	0.841	0.159	0.030	0.018	0.093	28.388
rs7688945	ebi-a-GCST90027161	4	141642216	C/A	0.320	0.320	0.030	0.011	0.006	23.874
rs72720396	ebi-a-GCST90027161	1	91191582	A/G	0.795	0.205	0.027	0.013	0.037	27.961
rs200094909	ebi-a-GCST90027161	2	60263762	T/C	0.828	0.172	0.024	0.013	0.066	20.338
rs75421899	ebi-a-GCST90027161	18	6767702	A/G	0.968	0.033	0.024	0.029	0.400	20.692
rs66922415	ebi-a-GCST90027161	18	57848651	A/G	0.790	0.210	0.020	0.013	0.112	42.477
rs11102404	ebi-a-GCST90027161	1	112721915	G/A	0.344	0.344	0.019	0.011	0.078	31.761
rs370790808	ebi-a-GCST90027161	5	152146093	C/T	0.769	0.231	0.019	0.016	0.244	24.231

rs6819310	ebi-a-GCST90027161	4	2869127	T/C	0.688	0.312	0.019	0.011	0.086	26.990
rs35996140	ebi-a-GCST90027161	3	68521478	C/A	0.774	0.226	0.018	0.012	0.142	20.785
rs13012149	ebi-a-GCST90027161	2	122611171	G/A	0.422	0.422	0.017	0.010	0.101	19.954
rs76013843	ebi-a-GCST90027161	22	18421519	G/A	0.979	0.021	0.017	0.032	0.595	19.315
rs35164264	ebi-a-GCST90027161	17	41150021	A/G	0.938	0.062	0.013	0.025	0.587	28.590
rs2570462	ebi-a-GCST90027161	5	95892134	C/T	0.435	0.435	0.013	0.010	0.207	20.491
rs117125919	ebi-a-GCST90027161	18	60239101	T/C	0.921	0.079	0.013	0.019	0.504	22.837
rs10422762	ebi-a-GCST90027161	19	36157167	G/A	0.518	0.482	0.013	0.010	0.213	25.598
rs587978	ebi-a-GCST90027161	11	105801770	C/T	0.517	0.483	0.013	0.010	0.216	24.551
rs7870079	ebi-a-GCST90027161	9	96161300	C/T	0.587	0.413	0.012	0.010	0.236	32.787
rs898751	ebi-a-GCST90027161	17	2291863	C/T	0.492	0.492	0.012	0.010	0.243	32.113
rs9745035	ebi-a-GCST90027161	15	27029591	G/A	0.622	0.378	0.010	0.010	0.333	32.083
rs4698920	ebi-a-GCST90027161	4	105379055	G/A	0.368	0.368	0.010	0.011	0.344	39.824
rs2710634	ebi-a-GCST90027161	2	32808804	T/C	0.481	0.481	0.010	0.010	0.331	24.225
rs11641525	ebi-a-GCST90027161	16	89691310	G/A	0.956	0.044	0.010	0.025	0.695	24.192
rs1496246	ebi-a-GCST90027161	11	133548061	A/G	0.627	0.373	0.009	0.011	0.369	22.244
rs3795944	ebi-a-GCST90027161	2	23920545	A/G	0.434	0.434	0.009	0.010	0.370	23.303
rs60313989	ebi-a-GCST90027161	8	132075266	G/A	0.578	0.422	0.009	0.010	0.370	22.595
rs117875805	ebi-a-GCST90027161	7	53786445	T/C	0.972	0.028	0.009	0.031	0.772	22.685
rs7110786	ebi-a-GCST90027161	11	95656648	C/T	0.623	0.377	0.009	0.011	0.399	34.506
rs146450259	ebi-a-GCST90027161	7	134071305	C/T	0.979	0.021	0.009	0.044	0.844	20.422
rs11681451	ebi-a-GCST90027161	2	225334104	T/C	0.682	0.318	0.009	0.011	0.422	34.865
rs55649862	ebi-a-GCST90027161	11	93682888	G/T	0.745	0.255	0.008	0.011	0.457	20.314
rs72913870	ebi-a-GCST90027161	3	89047588	G/A	0.904	0.096	0.008	0.018	0.668	34.327
rs2301333	ebi-a-GCST90027161	12	6880996	G/A	0.944	0.056	0.007	0.023	0.764	23.741
rs9352784	ebi-a-GCST90027161	6	80604130	G/A	0.884	0.116	0.007	0.016	0.666	22.641
rs12434775	ebi-a-GCST90027161	14	69524809	G/A	0.665	0.335	0.006	0.011	0.552	20.727
rs13033661	ebi-a-GCST90027161	2	169154841	G/A	0.922	0.079	0.006	0.019	0.744	21.132
rs72900104	ebi-a-GCST90027161	18	37109322	G/A	0.694	0.306	0.006	0.011	0.580	34.151
rs9755750	ebi-a-GCST90027161	3	23963183	G/A	0.709	0.292	0.006	0.011	0.575	23.361
rs1788823	ebi-a-GCST90027161	18	21114917	A/G	0.337	0.337	0.006	0.011	0.570	38.239
rs9847467	ebi-a-GCST90027161	3	100860575	T/C	0.845	0.156	0.006	0.015	0.689	19.179
rs6014531	ebi-a-GCST90027161	20	54403893	C/T	0.365	0.365	0.006	0.011	0.597	23.046
rs12956945	ebi-a-GCST90027161	18	24132328	T/C	0.508	0.492	0.006	0.010	0.590	24.396
rs6722128	ebi-a-GCST90027161	2	166342728	A/G	0.729	0.271	0.005	0.011	0.635	28.789
rs11706384	ebi-a-GCST90027161	3	39296881	G/T	0.768	0.232	0.005	0.012	0.680	21.202
rs16864081	ebi-a-GCST90027161	2	5870941	C/T	0.785	0.215	0.005	0.013	0.692	20.447
rs354794	ebi-a-GCST90027161	13	58119991	A/G	0.581	0.419	0.005	0.010	0.637	25.997
rs144205651	ebi-a-GCST90027161	3	101229859	G/A	0.979	0.021	0.004	0.034	0.907	22.030
rs10189857	ebi-a-GCST90027161	2	60713235	A/G	0.548	0.452	0.004	0.010	0.704	31.494
rs10447194	ebi-a-GCST90027161	5	167678542	C/T	0.497	0.497	0.003	0.010	0.740	20.589
rs1821075	ebi-a-GCST90027161	18	50760660	G/A	0.677	0.323	0.003	0.011	0.776	21.290
rs60795232	ebi-a-GCST90027161	2	236680476	A/G	0.730	0.270	0.003	0.012	0.806	41.721
rs6905544	ebi-a-GCST90027161	6	98411631	A/G	0.362	0.362	0.003	0.011	0.788	68.384
rs6780833	ebi-a-GCST90027161	3	137067993	G/A	0.623	0.378	0.003	0.011	0.793	30.202
rs696815	ebi-a-GCST90027161	2	198688084	A/C	0.329	0.329	0.003	0.011	0.801	27.085
rs6430204	ebi-a-GCST90027161	2	148343718	C/T	0.542	0.458	0.003	0.010	0.809	26.777
rs8008842	ebi-a-GCST90027161	14	41300060	A/G	0.554	0.447	0.003	0.010	0.810	25.906
rs35287743	ebi-a-GCST90027161	12	110057250	G/T	0.887	0.113	0.002	0.016	0.901	30.629
rs2678660	ebi-a-GCST90027161	2	104448364	G/A	0.234	0.234	0.002	0.012	0.885	20.008

rs7242458	ebi-a-GCST90027161	18	73757789	G/A	0.215	0.215	0.002	0.012	0.893	24.384
rs2634697	ebi-a-GCST90027161	12	48693423	T/C	0.741	0.259	0.001	0.012	0.921	24.928
rs13248299	ebi-a-GCST90027161	8	106306761	C/T	0.477	0.477	0.000	0.010	0.984	19.844
rs6882046	ebi-a-GCST90027161	5	87968864	A/G	0.769	0.231	0.000	0.012	0.996	45.300
rs1566085	ebi-a-GCST90027161	8	142624527	G/T	0.461	0.461	0.000	0.010	0.974	25.368
rs4792963	ebi-a-GCST90027161	17	43071612	A/G	0.877	0.123	-0.001	0.015	0.963	20.811
rs10986931	ebi-a-GCST90027161	9	128564209	C/T	0.380	0.380	-0.001	0.011	0.908	20.586
rs117794620	ebi-a-GCST90027161	17	28991182	A/G	0.975	0.025	-0.001	0.035	0.972	19.885
rs281219	ebi-a-GCST90027161	15	47711652	A/G	0.227	0.227	-0.001	0.012	0.908	45.156
rs35724689	ebi-a-GCST90027161	6	76586564	A/G	0.955	0.045	-0.001	0.028	0.959	21.009
rs62023507	ebi-a-GCST90027161	15	53124819	A/G	0.939	0.061	-0.002	0.021	0.936	20.597
rs2491244	ebi-a-GCST90027161	13	28599914	G/A	0.423	0.423	-0.002	0.010	0.859	27.611
rs112423942	ebi-a-GCST90027161	4	189790022	C/T	0.960	0.041	-0.002	0.028	0.941	20.311
rs1089896	ebi-a-GCST90027161	1	44627483	C/T	0.308	0.308	-0.003	0.011	0.815	23.375
rs10889706	ebi-a-GCST90027161	1	41350787	A/C	0.672	0.328	-0.003	0.011	0.796	22.878
rs11882956	ebi-a-GCST90027161	19	5900470	G/A	0.968	0.032	-0.003	0.026	0.909	20.349
rs7921305	ebi-a-GCST90027161	10	133775196	G/A	0.754	0.246	-0.003	0.012	0.793	28.499
rs12487771	ebi-a-GCST90027161	3	194500926	T/C	0.807	0.193	-0.003	0.016	0.837	21.703
rs745136	ebi-a-GCST90027161	15	96899827	T/G	0.450	0.450	-0.003	0.011	0.751	20.944
rs306754	ebi-a-GCST90027161	20	3099040	A/G	0.365	0.365	-0.004	0.011	0.756	22.316
rs11018771	ebi-a-GCST90027161	11	89488562	T/C	0.652	0.348	-0.004	0.011	0.746	21.927
rs12629217	ebi-a-GCST90027161	3	143442254	C/T	0.770	0.230	-0.004	0.012	0.752	21.475
rs7027298	ebi-a-GCST90027161	9	5545198	T/C	0.726	0.275	-0.004	0.011	0.717	20.195
rs112060520	ebi-a-GCST90027161	3	117671421	G/T	0.737	0.263	-0.005	0.012	0.698	25.423
rs7784688	ebi-a-GCST90027161	7	32966042	T/C	0.396	0.396	-0.005	0.010	0.655	23.570
rs9422753	ebi-a-GCST90027161	10	126960137	T/C	0.799	0.201	-0.005	0.013	0.704	28.990
rs2102629	ebi-a-GCST90027161	1	94172121	A/G	0.353	0.353	-0.005	0.011	0.625	21.235
rs978155	ebi-a-GCST90027161	4	101800766	T/C	0.742	0.258	-0.006	0.012	0.634	19.554
rs17721873	ebi-a-GCST90027161	7	104913239	T/C	0.921	0.079	-0.006	0.019	0.762	23.086
rs2660338	ebi-a-GCST90027161	4	41982707	A/C	0.149	0.149	-0.006	0.014	0.649	27.778
rs10168768	ebi-a-GCST90027161	2	137484713	G/T	0.432	0.432	-0.006	0.010	0.528	23.952
rs2417261	ebi-a-GCST90027161	12	13414139	T/G	0.133	0.133	-0.006	0.014	0.651	21.029
rs889934	ebi-a-GCST90027161	7	136577349	C/T	0.892	0.108	-0.007	0.016	0.679	20.386
rs72880354	ebi-a-GCST90027161	1	28683713	G/A	0.678	0.322	-0.007	0.011	0.520	25.701
rs56213920	ebi-a-GCST90027161	16	73736589	G/T	0.968	0.032	-0.007	0.030	0.813	21.101
rs4762172	ebi-a-GCST90027161	12	95493912	T/C	0.922	0.078	-0.008	0.019	0.686	29.212
rs9891803	ebi-a-GCST90027161	17	31609815	C/T	0.497	0.497	-0.008	0.010	0.447	21.767
rs12962050	ebi-a-GCST90027161	18	35179808	G/A	0.328	0.328	-0.008	0.011	0.467	20.712
rs2731664	ebi-a-GCST90027161	5	176859848	C/A	0.515	0.486	-0.008	0.010	0.437	20.851
rs2378309	ebi-a-GCST90027161	9	81784956	A/G	0.251	0.251	-0.009	0.012	0.473	21.162
rs7626445	ebi-a-GCST90027161	3	49114544	C/T	0.340	0.340	-0.009	0.011	0.423	34.361
rs6978112	ebi-a-GCST90027161	7	1966841	C/T	0.599	0.401	-0.009	0.010	0.388	36.029
rs9402149	ebi-a-GCST90027161	6	129930596	G/A	0.718	0.282	-0.009	0.011	0.431	23.363
rs115101820	ebi-a-GCST90027161	1	177869482	A/G	0.977	0.023	-0.009	0.034	0.784	21.256
rs1147198	ebi-a-GCST90027161	9	87275348	G/T	0.224	0.224	-0.009	0.012	0.441	35.410
rs7939241	ebi-a-GCST90027161	11	114859696	A/G	0.205	0.205	-0.009	0.013	0.481	27.575
rs13064450	ebi-a-GCST90027161	3	21077708	G/A	0.566	0.435	-0.010	0.010	0.349	23.602
rs16903000	ebi-a-GCST90027161	5	13995236	T/C	0.693	0.308	-0.010	0.011	0.380	29.065
rs13265644	ebi-a-GCST90027161	8	92036031	T/G	0.281	0.281	-0.010	0.011	0.383	24.263
rs880597	ebi-a-GCST90027161	9	102168293	C/T	0.715	0.285	-0.010	0.012	0.388	25.072

rs961936	ebi-a-GCST90027161	11	29778265	A/G	0.572	0.428	-0.010	0.010	0.328	20.367
rs2146704	ebi-a-GCST90027161	13	45431240	C/T	0.804	0.196	-0.010	0.013	0.433	22.346
rs139954992	ebi-a-GCST90027161	22	50992048	G/A	0.975	0.025	-0.011	0.031	0.727	20.750
rs1239945	ebi-a-GCST90027161	13	51107757	G/A	0.443	0.443	-0.011	0.010	0.282	21.845
rs7628951	ebi-a-GCST90027161	3	56457705	A/G	0.549	0.451	-0.011	0.010	0.283	23.281
rs2857596	ebi-a-GCST90027161	6	31567422	G/T	0.245	0.245	-0.012	0.012	0.327	32.336
rs1421085	ebi-a-GCST90027161	16	53800954	T/C	0.584	0.416	-0.012	0.010	0.223	98.678
rs61817482	ebi-a-GCST90027161	1	204570347	G/A	0.781	0.219	-0.013	0.012	0.284	25.099
rs1946434	ebi-a-GCST90027161	2	49507654	C/T	0.597	0.403	-0.013	0.010	0.206	21.321
rs35069754	ebi-a-GCST90027161	5	2295044	A/G	0.872	0.128	-0.013	0.016	0.396	24.217
rs62180989	ebi-a-GCST90027161	2	191271244	C/T	0.663	0.337	-0.014	0.011	0.203	30.959
rs9471342	ebi-a-GCST90027161	6	40394399	T/C	0.880	0.120	-0.014	0.016	0.378	22.844
rs6435937	ebi-a-GCST90027161	2	217061274	G/T	0.408	0.408	-0.015	0.010	0.156	19.916
rs11641267	ebi-a-GCST90027161	16	7671299	A/G	0.454	0.454	-0.015	0.010	0.145	38.290
rs10892817	ebi-a-GCST90027161	11	122070686	A/G	0.737	0.263	-0.015	0.012	0.187	21.747
rs150978694	ebi-a-GCST90027161	16	26515201	C/T	0.979	0.021	-0.016	0.039	0.684	22.286
rs77403093	ebi-a-GCST90027161	17	57220124	C/T	0.658	0.342	-0.017	0.011	0.096	23.364
rs4681671	ebi-a-GCST90027161	3	58228628	G/T	0.515	0.485	-0.018	0.010	0.077	21.057
rs11251692	ebi-a-GCST90027161	10	364707	C/T	0.876	0.124	-0.019	0.016	0.234	21.981
rs6453295	ebi-a-GCST90027161	5	76547432	A/G	0.319	0.319	-0.019	0.011	0.095	20.808
rs3845	ebi-a-GCST90027161	10	126674093	T/C	0.258	0.258	-0.019	0.012	0.110	30.944
rs11128045	ebi-a-GCST90027161	3	88498034	T/C	0.603	0.397	-0.019	0.010	0.064	21.066
rs10253861	ebi-a-GCST90027161	7	8110475	G/A	0.482	0.482	-0.020	0.010	0.048	29.580
rs34330406	ebi-a-GCST90027161	2	180803486	C/T	0.987	0.013	-0.022	0.048	0.650	21.320
rs11227478	ebi-a-GCST90027161	11	66173400	G/A	0.793	0.207	-0.022	0.012	0.072	27.786
rs2425052	ebi-a-GCST90027161	20	33880729	A/C	0.542	0.459	-0.023	0.010	0.025	25.675
rs150534	ebi-a-GCST90027161	5	60503133	G/A	0.477	0.477	-0.024	0.010	0.018	37.121
rs12933575	ebi-a-GCST90027161	16	30022564	A/G	0.554	0.446	-0.028	0.010	0.007	20.711
rs76157199	ebi-a-GCST90027161	2	98541874	A/G	0.969	0.031	-0.031	0.031	0.318	19.562
rs62366395	ebi-a-GCST90027161	5	104370644	G/A	0.952	0.048	-0.051	0.025	0.037	22.077
rs151150389	ebi-a-GCST90027161	8	28897171	T/C	0.966	0.034	-0.060	0.031	0.050	25.195
rs138709836	ebi-a-GCST90027161	17	71135181	G/A	0.988	0.013	-0.094	0.053	0.076	21.417

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rs116941748	ebi-a-GCST90027161	22	32404361	C/T	0.927	0.073	0.036	0.020	0.078	21.642
rs834233	ebi-a-GCST90027161	1	150354276	G/A	0.620	0.381	0.032	0.010	0.002	28.104
rs11707956	ebi-a-GCST90027161	3	101321849	T/C	0.523	0.477	0.030	0.010	0.003	23.697
rs9987289	ebi-a-GCST90027161	8	9183358	A/G	0.107	0.107	0.030	0.016	0.069	47.730
rs9921820	ebi-a-GCST90027161	16	51011905	A/G	0.746	0.254	0.025	0.012	0.038	23.800
rs80206625	ebi-a-GCST90027161	11	121606951	T/C	0.963	0.037	0.024	0.026	0.364	26.854
rs2577355	ebi-a-GCST90027161	10	118024544	C/T	0.278	0.278	0.023	0.011	0.048	20.627
rs7304636	ebi-a-GCST90027161	12	107951279	C/A	0.737	0.264	0.021	0.012	0.071	20.872
rs4482937	ebi-a-GCST90027161	5	117087858	T/C	0.299	0.299	0.021	0.011	0.053	21.134
rs583813	ebi-a-GCST90027161	11	81814241	A/C	0.882	0.118	0.021	0.015	0.165	23.370
rs4531481	ebi-a-GCST90027161	11	132383850	A/C	0.763	0.237	0.021	0.012	0.079	31.334
rs13596	ebi-a-GCST90027161	1	8421203	T/C	0.357	0.357	0.021	0.011	0.053	21.077
rs17551608	ebi-a-GCST90027161	5	167835539	C/T	0.844	0.156	0.020	0.014	0.154	20.960
rs4410790	ebi-a-GCST90027161	7	17284577	T/C	0.351	0.351	0.020	0.011	0.062	40.338
rs4420638	ebi-a-GCST90027161	19	45422946	A/G	0.787	0.213	0.019	0.012	0.124	57.483
rs10109061	ebi-a-GCST90027161	8	144239859	A/G	0.606	0.394	0.019	0.011	0.079	37.774
rs6510177	ebi-a-GCST90027161	19	31211647	T/C	0.174	0.174	0.018	0.014	0.201	40.625

rs1209710	ebi-a-GCST90027161	3	138106698	C/T	0.241	0.241	0.017	0.012	0.166	20.623
rs449801	ebi-a-GCST90027161	20	25491847	C/T	0.455	0.455	0.016	0.010	0.108	26.979
rs78854891	ebi-a-GCST90027161	19	42752078	T/C	0.942	0.058	0.016	0.023	0.490	36.940
rs8008247	ebi-a-GCST90027161	14	100998401	A/G	0.594	0.406	0.016	0.010	0.126	20.857
rs2582404	ebi-a-GCST90027161	8	57387368	C/T	0.246	0.246	0.016	0.012	0.185	33.150
rs117695167	ebi-a-GCST90027161	13	57690270	T/C	0.962	0.039	0.015	0.028	0.604	20.841
rs56305291	ebi-a-GCST90027161	7	2048706	A/G	0.772	0.228	0.014	0.012	0.220	38.452
rs3852745	ebi-a-GCST90027161	16	10248860	G/T	0.690	0.310	0.013	0.011	0.233	26.654
rs6502045	ebi-a-GCST90027161	17	79972424	T/C	0.378	0.378	0.013	0.011	0.236	25.866
rs11097340	ebi-a-GCST90027161	4	93465297	C/T	0.616	0.384	0.013	0.011	0.233	36.914
rs2569343	ebi-a-GCST90027161	5	133897103	G/A	0.506	0.494	0.013	0.010	0.217	20.099
rs7870106	ebi-a-GCST90027161	9	99210584	G/A	0.782	0.218	0.012	0.012	0.337	23.382
rs12577283	ebi-a-GCST90027161	11	28511596	A/G	0.479	0.479	0.011	0.010	0.259	21.357
rs116953173	ebi-a-GCST90027161	20	21511553	T/C	0.967	0.033	0.011	0.030	0.706	20.216
rs77445741	ebi-a-GCST90027161	10	55100807	A/G	0.766	0.235	0.011	0.012	0.344	23.306
rs4655962	ebi-a-GCST90027161	1	87890016	C/T	0.630	0.370	0.011	0.011	0.318	29.616
rs17815906	ebi-a-GCST90027161	3	94050683	A/G	0.611	0.389	0.011	0.010	0.311	21.633
rs2836975	ebi-a-GCST90027161	21	40663620	T/C	0.392	0.392	0.010	0.011	0.337	19.936
rs78205764	ebi-a-GCST90027161	7	95792182	T/C	0.955	0.045	0.010	0.023	0.672	19.807
rs12980791	ebi-a-GCST90027161	19	18808954	C/T	0.871	0.129	0.009	0.015	0.525	52.765
rs1604918	ebi-a-GCST90027161	8	91881334	T/G	0.697	0.303	0.009	0.011	0.391	20.078
rs67337210	ebi-a-GCST90027161	11	99279271	C/A	0.671	0.329	0.009	0.011	0.388	30.067
rs56135413	ebi-a-GCST90027161	1	113092906	T/C	0.756	0.244	0.009	0.012	0.425	30.453
rs1986231	ebi-a-GCST90027161	12	980873	G/A	0.367	0.367	0.009	0.011	0.396	20.080
rs11780710	ebi-a-GCST90027161	8	31169385	G/T	0.518	0.482	0.008	0.010	0.410	26.462
rs189110661	ebi-a-GCST90027161	10	77321129	A/G	0.789	0.211	0.008	0.018	0.644	20.238
rs614397	ebi-a-GCST90027161	11	63883985	T/C	0.136	0.136	0.008	0.015	0.574	21.520
rs495452	ebi-a-GCST90027161	18	58195015	G/A	0.511	0.489	0.008	0.010	0.429	21.417
rs7960371	ebi-a-GCST90027161	12	13894221	T/C	0.231	0.231	0.008	0.012	0.504	20.861
rs2455028	ebi-a-GCST90027161	1	66540035	G/A	0.907	0.093	0.008	0.017	0.658	33.173
rs10202904	ebi-a-GCST90027161	2	125440268	T/G	0.410	0.410	0.007	0.010	0.485	20.903
rs208296	ebi-a-GCST90027161	12	121600953	G/A	0.682	0.318	0.007	0.011	0.519	23.515
rs2837856	ebi-a-GCST90027161	21	42215832	T/C	0.706	0.294	0.007	0.011	0.550	22.400
rs801646	ebi-a-GCST90027161	22	47153559	T/G	0.585	0.415	0.007	0.010	0.533	19.741
rs4972320	ebi-a-GCST90027161	2	148784570	G/A	0.686	0.314	0.006	0.011	0.551	25.709
rs817495	ebi-a-GCST90027161	3	117702762	G/A	0.407	0.407	0.006	0.010	0.551	21.366
rs13234131	ebi-a-GCST90027161	7	73025975	A/G	0.871	0.129	0.006	0.015	0.685	42.375
rs4877815	ebi-a-GCST90027161	9	86623268	A/G	0.508	0.492	0.006	0.010	0.587	20.214
rs10213735	ebi-a-GCST90027161	5	53377527	T/C	0.884	0.116	0.005	0.015	0.715	19.354
rs7250175	ebi-a-GCST90027161	19	33988482	C/T	0.613	0.387	0.004	0.011	0.716	24.535
rs11764446	ebi-a-GCST90027161	7	102102343	T/C	0.086	0.086	0.004	0.017	0.832	29.745
rs4421637	ebi-a-GCST90027161	1	96350419	C/T	0.074	0.074	0.004	0.020	0.854	21.086
rs1530562	ebi-a-GCST90027161	2	120048729	A/G	0.327	0.327	0.004	0.011	0.751	21.264
rs7163680	ebi-a-GCST90027161	15	61440507	T/G	0.219	0.219	0.004	0.012	0.772	19.256
rs73497430	ebi-a-GCST90027161	19	8420054	T/G	0.786	0.215	0.003	0.013	0.799	20.231
rs10838574	ebi-a-GCST90027161	11	46209062	A/G	0.347	0.347	0.003	0.011	0.771	36.789
rs7647938	ebi-a-GCST90027161	3	149587120	C/T	0.580	0.420	0.003	0.010	0.795	21.507
rs4916715	ebi-a-GCST90027161	5	87460108	G/A	0.140	0.140	0.003	0.014	0.863	44.039
rs12522921	ebi-a-GCST90027161	5	167609946	C/A	0.391	0.391	0.002	0.010	0.813	19.278
rs6754311	ebi-a-GCST90027161	2	136707982	T/C	0.655	0.345	0.002	0.011	0.829	26.680

rs78970535	ebi-a-GCST90027161	6	142855375	C/A	0.944	0.056	0.002	0.022	0.918	20.924
rs7585186	ebi-a-GCST90027161	2	226460340	C/A	0.594	0.406	0.002	0.010	0.851	25.378
rs7769248	ebi-a-GCST90027161	6	9281115	A/G	0.360	0.360	0.002	0.011	0.866	25.788
rs1217105	ebi-a-GCST90027161	8	64626932	T/G	0.286	0.286	0.001	0.012	0.906	28.051
rs4259241	ebi-a-GCST90027161	6	51258308	C/T	0.737	0.263	0.001	0.012	0.906	58.300
rs2332836	ebi-a-GCST90027161	4	175174575	T/C	0.540	0.460	0.001	0.010	0.928	20.951
rs34811474	ebi-a-GCST90027161	4	25408838	G/A	0.773	0.227	0.001	0.013	0.943	33.224
rs12649591	ebi-a-GCST90027161	4	42037608	G/A	0.240	0.240	0.001	0.012	0.968	20.190
rs13082065	ebi-a-GCST90027161	3	35731993	C/T	0.617	0.383	0.000	0.011	0.969	41.981
rs977229	ebi-a-GCST90027161	8	14086273	C/A	0.856	0.144	0.000	0.014	0.984	20.732
rs2236950	ebi-a-GCST90027161	3	50420554	C/A	0.793	0.207	0.000	0.012	0.984	34.094
rs34234069	ebi-a-GCST90027161	15	95241413	C/T	0.782	0.218	0.000	0.012	0.988	29.472
rs9534476	ebi-a-GCST90027161	13	47294221	A/G	0.530	0.470	0.000	0.015	0.996	23.406
rs2485653	ebi-a-GCST90027161	1	44594966	G/A	0.710	0.290	0.000	0.011	0.973	28.841
rs744691	ebi-a-GCST90027161	12	52441550	C/A	0.789	0.211	-0.001	0.012	0.951	21.541
rs6904716	ebi-a-GCST90027161	6	33741289	A/G	0.559	0.442	-0.001	0.010	0.931	21.829
rs2875243	ebi-a-GCST90027161	13	63551758	G/T	0.609	0.391	-0.001	0.010	0.906	25.603
rs79021811	ebi-a-GCST90027161	5	45109000	A/G	0.887	0.113	-0.001	0.017	0.938	28.315
rs11119497	ebi-a-GCST90027161	1	210606369	G/A	0.537	0.463	-0.002	0.010	0.862	28.311
rs74378533	ebi-a-GCST90027161	1	26202426	C/T	0.649	0.351	-0.002	0.011	0.871	21.313
rs491711	ebi-a-GCST90027161	11	28742220	A/C	0.714	0.286	-0.003	0.011	0.828	42.230
rs1887669	ebi-a-GCST90027161	9	16035428	G/A	0.533	0.467	-0.003	0.010	0.798	23.158
rs2472297	ebi-a-GCST90027161	15	75027880	C/T	0.740	0.261	-0.003	0.012	0.765	74.306
rs10087729	ebi-a-GCST90027161	8	136068138	G/A	0.374	0.374	-0.004	0.011	0.731	21.057
rs13030994	ebi-a-GCST90027161	2	146143090	G/A	0.492	0.492	-0.004	0.010	0.685	34.563
rs1152452	ebi-a-GCST90027161	14	56506372	C/T	0.305	0.305	-0.004	0.011	0.702	20.768
rs1037386	ebi-a-GCST90027161	3	1478453	T/C	0.636	0.364	-0.004	0.011	0.679	23.117
rs838133	ebi-a-GCST90027161	19	49259529	A/G	0.409	0.409	-0.004	0.011	0.683	122.267
rs4255830	ebi-a-GCST90027161	17	78649230	G/A	0.462	0.462	-0.005	0.010	0.624	25.459
rs7621968	ebi-a-GCST90027161	3	81951460	A/G	0.615	0.385	-0.005	0.010	0.624	34.256
rs299310	ebi-a-GCST90027161	5	162910709	G/A	0.693	0.307	-0.005	0.011	0.618	22.802
rs116750156	ebi-a-GCST90027161	5	59817402	T/G	0.969	0.031	-0.006	0.026	0.832	23.360
rs76245457	ebi-a-GCST90027161	13	112037454	A/G	0.911	0.089	-0.007	0.017	0.687	27.830
rs2725370	ebi-a-GCST90027161	8	30852826	T/C	0.284	0.284	-0.007	0.012	0.557	22.831
rs2799849	ebi-a-GCST90027161	9	86752641	C/T	0.303	0.303	-0.007	0.011	0.534	38.079
rs4953544	ebi-a-GCST90027161	2	48246693	T/G	0.352	0.352	-0.007	0.011	0.506	20.449
rs4968349	ebi-a-GCST90027161	17	57403952	A/G	0.335	0.335	-0.007	0.011	0.524	18.964
rs2927238	ebi-a-GCST90027161	8	76758514	T/G	0.405	0.405	-0.007	0.010	0.485	28.216
rs2302316	ebi-a-GCST90027161	17	4800304	G/A	0.764	0.236	-0.008	0.012	0.528	25.002
rs62317044	ebi-a-GCST90027161	4	131513348	A/G	0.740	0.260	-0.008	0.012	0.516	19.525
rs11081851	ebi-a-GCST90027161	18	31783262	G/A	0.447	0.447	-0.008	0.010	0.421	20.475
rs4507103	ebi-a-GCST90027161	2	215361613	G/A	0.599	0.401	-0.008	0.010	0.425	20.049
rs1362490	ebi-a-GCST90027161	2	171635765	G/A	0.679	0.321	-0.009	0.011	0.433	19.322
rs17747417	ebi-a-GCST90027161	8	116169796	T/C	0.631	0.369	-0.009	0.011	0.415	22.088
rs180913951	ebi-a-GCST90027161	6	40462317	C/A	0.975	0.025	-0.009	0.031	0.767	24.235
rs2277332	ebi-a-GCST90027161	12	122750700	T/G	0.666	0.334	-0.009	0.011	0.401	22.473
rs7986244	ebi-a-GCST90027161	13	31029909	C/T	0.329	0.329	-0.010	0.011	0.342	24.298
rs11240663	ebi-a-GCST90027161	1	204062186	A/G	0.503	0.497	-0.010	0.010	0.306	19.586
rs11660658	ebi-a-GCST90027161	18	6410213	T/C	0.683	0.317	-0.011	0.011	0.326	49.059
rs56049830	ebi-a-GCST90027161	2	185708081	C/T	0.793	0.207	-0.011	0.012	0.364	28.994

rs1463825	ebi-a-GCST90027161	12	63627603	A/G	0.446	0.446	-0.011	0.010	0.269	33.912
rs36026522	ebi-a-GCST90027161	8	143627041	T/C	0.649	0.351	-0.011	0.011	0.293	22.738
rs62455966	ebi-a-GCST90027161	7	67744224	C/T	0.790	0.211	-0.011	0.012	0.361	28.365
rs11940694	ebi-a-GCST90027161	4	39414993	A/G	0.378	0.378	-0.013	0.011	0.237	44.647
rs1504733	ebi-a-GCST90027161	11	99328999	G/A	0.623	0.377	-0.013	0.011	0.229	19.823
rs1966434	ebi-a-GCST90027161	16	54030749	G/A	0.574	0.426	-0.013	0.010	0.211	20.694
rs67142559	ebi-a-GCST90027161	2	51032964	T/G	0.769	0.231	-0.013	0.012	0.280	19.403
rs184643	ebi-a-GCST90027161	2	45189441	G/A	0.404	0.404	-0.013	0.011	0.212	47.044
rs5768450	ebi-a-GCST90027161	22	48619973	A/G	0.523	0.477	-0.013	0.010	0.202	23.425
rs75775827	ebi-a-GCST90027161	6	88197928	G/A	0.902	0.098	-0.013	0.017	0.427	21.100
rs17126224	ebi-a-GCST90027161	8	17954554	T/G	0.938	0.062	-0.014	0.020	0.482	20.492
rs72957851	ebi-a-GCST90027161	2	220839047	G/T	0.932	0.068	-0.015	0.023	0.518	23.004
rs9687441	ebi-a-GCST90027161	5	153107480	G/A	0.622	0.379	-0.015	0.014	0.301	25.347
rs12467815	ebi-a-GCST90027161	2	79643664	A/G	0.708	0.292	-0.015	0.011	0.174	25.703
rs7868916	ebi-a-GCST90027161	9	81337236	G/A	0.766	0.234	-0.015	0.012	0.188	31.959
rs112362861	ebi-a-GCST90027161	6	140234409	G/A	0.970	0.030	-0.016	0.030	0.591	20.066
rs7550459	ebi-a-GCST90027161	1	44972725	G/A	0.643	0.357	-0.017	0.011	0.123	25.821
rs57537843	ebi-a-GCST90027161	2	22558973	G/A	0.601	0.399	-0.017	0.010	0.091	28.567
rs2639703	ebi-a-GCST90027161	1	225812911	T/C	0.699	0.301	-0.018	0.011	0.114	24.906
rs77747748	ebi-a-GCST90027161	3	193051487	C/T	0.944	0.056	-0.019	0.023	0.423	22.795
rs2248128	ebi-a-GCST90027161	16	1555589	A/G	0.792	0.208	-0.019	0.013	0.132	23.272
rs9380092	ebi-a-GCST90027161	6	28766237	G/A	0.694	0.306	-0.019	0.011	0.083	23.269
rs111348842	ebi-a-GCST90027161	1	98436574	G/A	0.929	0.071	-0.019	0.021	0.348	24.074
rs164737	ebi-a-GCST90027161	16	89666511	A/G	0.758	0.243	-0.019	0.015	0.209	21.733
rs9846396	ebi-a-GCST90027161	3	141140968	C/T	0.561	0.439	-0.020	0.010	0.050	34.227
rs1439845	ebi-a-GCST90027161	2	35411425	G/A	0.367	0.367	-0.023	0.011	0.027	21.712
rs61982040	ebi-a-GCST90027161	14	97947606	C/A	0.964	0.036	-0.025	0.028	0.374	22.725
rs1351744	ebi-a-GCST90027161	8	116563879	A/C	0.404	0.404	-0.026	0.011	0.014	25.869
rs57590313	ebi-a-GCST90027161	4	113323430	C/A	0.790	0.210	-0.029	0.012	0.020	30.820
rs10969132	ebi-a-GCST90027161	9	29408135	G/T	0.939	0.061	-0.032	0.021	0.125	22.613
rs10899488	ebi-a-GCST90027161	11	78088754	A/G	0.824	0.177	-0.032	0.013	0.014	39.246
rs4521314	ebi-a-GCST90027161	4	72084653	C/A	0.890	0.110	-0.036	0.017	0.031	22.159
rs138306181	ebi-a-GCST90027161	5	12715834	C/T	0.984	0.016	-0.044	0.040	0.268	22.781
rs9316106	ebi-a-GCST90027161	13	45361752	A/G	0.920	0.080	-0.051	0.020	0.009	19.531

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rs111957468	ebi-a-GCST90027161	22	42651567	G/A	0.970	0.030	0.068	0.028	0.017	21.823
rs116867817	ebi-a-GCST90027161	14	76372994	A/C	0.977	0.023	0.028	0.035	0.415	19.538
rs1389469	ebi-a-GCST90027161	12	44907104	G/T	0.983	0.017	0.022	0.039	0.576	22.484
rs10871777	ebi-a-GCST90027161	18	57851763	A/G	0.788	0.212	0.021	0.013	0.099	21.888
rs6093791	ebi-a-GCST90027161	20	41855989	G/A	0.968	0.032	0.020	0.036	0.578	22.573
rs17453287	ebi-a-GCST90027161	1	158002282	T/G	0.980	0.020	0.018	0.045	0.701	22.950
rs290490	ebi-a-GCST90027161	10	114906714	G/A	0.363	0.363	0.017	0.011	0.115	22.819
rs72841997	ebi-a-GCST90027161	10	101243055	C/T	0.985	0.015	0.014	0.056	0.804	22.060
rs12055027	ebi-a-GCST90027161	5	2138690	C/T	0.614	0.386	0.011	0.011	0.305	19.734
rs4452322	ebi-a-GCST90027161	3	61658555	C/A	0.187	0.187	0.009	0.014	0.517	21.481
rs10174344	ebi-a-GCST90027161	2	14594769	G/A	0.759	0.241	0.009	0.012	0.435	22.104
rs10936700	ebi-a-GCST90027161	3	171506698	C/T	0.252	0.252	0.009	0.012	0.481	19.983
rs10515282	ebi-a-GCST90027161	5	98035644	C/T	0.967	0.033	0.007	0.032	0.832	19.571
rs11587357	ebi-a-GCST90027161	1	96118261	C/T	0.818	0.182	0.005	0.014	0.724	23.183
rs117400907	ebi-a-GCST90027161	13	40208163	G/T	0.953	0.048	0.002	0.022	0.912	20.701

rs2880417	ebi-a-GCST90027161	4	156080728	A/G	0.668	0.332	0.002	0.011	0.836	21.442
rs10132641	ebi-a-GCST90027161	14	104338258	A/G	0.402	0.402	0.001	0.010	0.899	30.174
rs17020993	ebi-a-GCST90027161	1	207288392	A/G	0.875	0.126	0.000	0.015	0.978	22.981
rs1704771	ebi-a-GCST90027161	18	48482900	T/C	0.604	0.396	-0.001	0.010	0.921	24.181
rs7565680	ebi-a-GCST90027161	2	103579732	T/C	0.660	0.341	-0.003	0.011	0.800	22.033
rs970427	ebi-a-GCST90027161	18	19743526	T/C	0.935	0.065	-0.006	0.020	0.750	23.732
rs111612300	ebi-a-GCST90027161	7	129925689	T/G	0.491	0.491	-0.007	0.015	0.615	27.188
rs72792712	ebi-a-GCST90027161	5	133208733	G/A	0.910	0.090	-0.008	0.018	0.639	20.840
rs72636644	ebi-a-GCST90027161	4	67947008	G/A	0.870	0.130	-0.010	0.015	0.513	22.526
rs1386549	ebi-a-GCST90027161	6	98552463	G/A	0.891	0.109	-0.011	0.016	0.494	30.689
rs1722845	ebi-a-GCST90027161	3	41242367	C/T	0.516	0.484	-0.012	0.010	0.239	20.445
rs139259023	ebi-a-GCST90027161	14	94516147	G/A	0.978	0.022	-0.019	0.041	0.642	20.805
rs7557687	ebi-a-GCST90027161	2	200159131	G/A	0.110	0.110	-0.020	0.017	0.241	21.288
rs3782125	ebi-a-GCST90027161	12	57857000	G/A	0.404	0.404	-0.020	0.010	0.056	20.058
rs61270012	ebi-a-GCST90027161	14	26230121	A/C	0.782	0.218	-0.020	0.012	0.097	21.678
rs11009501	ebi-a-GCST90027161	10	34003178	G/A	0.773	0.228	-0.030	0.012	0.017	19.895
rs149298729	ebi-a-GCST90027161	13	53605991	T/C	0.987	0.013	-0.036	0.046	0.441	22.343
rs7778784	ebi-a-GCST90027161	7	50135200	A/G	0.081	0.081	-0.036	0.018	0.048	24.074
rs142764631	ebi-a-GCST90027161	20	3836740	C/T	0.925	0.075	-0.043	0.020	0.028	19.570

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rs72661639	ebi-a-GCST90027161	8	73023191	A/G	0.991	0.009	0.083	0.067	0.215	19.781
rs139033959	ebi-a-GCST90027161	2	54492417	A/G	0.980	0.020	0.071	0.032	0.025	20.437
rs117290010	ebi-a-GCST90027161	12	119349636	G/A	0.991	0.009	0.049	0.069	0.472	20.740
rs79741827	ebi-a-GCST90027161	16	56733116	T/C	0.963	0.037	0.031	0.028	0.271	23.589
rs13097590	ebi-a-GCST90027161	3	112136528	C/T	0.650	0.350	0.025	0.015	0.091	22.226
rs1291129	ebi-a-GCST90027161	20	35510948	T/C	0.420	0.420	0.023	0.010	0.029	20.021
rs111993259	ebi-a-GCST90027161	16	72052957	C/T	0.957	0.043	0.022	0.024	0.364	20.601
rs143367498	ebi-a-GCST90027161	5	51388338	G/T	0.969	0.031	0.018	0.040	0.646	21.852
rs71609349	ebi-a-GCST90027161	5	16956787	G/A	0.983	0.017	0.013	0.048	0.788	20.634
rs3129559	ebi-a-GCST90027161	1	246814137	G/A	0.429	0.429	0.012	0.010	0.249	22.259
rs324901	ebi-a-GCST90027161	5	87920406	C/T	0.513	0.487	0.009	0.010	0.398	22.303
rs1997435	ebi-a-GCST90027161	2	173255930	T/C	0.211	0.211	0.006	0.012	0.634	20.448
rs4819884	ebi-a-GCST90027161	22	17246329	C/T	0.879	0.121	0.006	0.017	0.744	20.535
rs12141823	ebi-a-GCST90027161	1	91120701	C/T	0.761	0.239	0.005	0.012	0.701	22.712
rs56024740	ebi-a-GCST90027161	11	11475814	C/T	0.948	0.052	0.004	0.021	0.857	21.983
rs16932756	ebi-a-GCST90027161	9	35921694	A/G	0.881	0.119	0.000	0.016	0.993	19.758
rs147186763	ebi-a-GCST90027161	2	207843967	C/A	0.715	0.286	-0.003	0.011	0.793	21.084
rs73155774	ebi-a-GCST90027161	3	150820000	G/A	0.869	0.131	-0.004	0.015	0.794	23.356
rs9322203	ebi-a-GCST90027161	6	149955366	A/G	0.678	0.322	-0.004	0.011	0.689	23.298
rs12829270	ebi-a-GCST90027161	12	24025501	G/A	0.548	0.453	-0.006	0.010	0.593	22.992
rs72721996	ebi-a-GCST90027161	1	97275193	A/G	0.678	0.322	-0.007	0.011	0.534	23.659
rs56082341	ebi-a-GCST90027161	9	28216527	T/G	0.850	0.151	-0.007	0.014	0.613	20.353
rs61295619	ebi-a-GCST90027161	7	98359528	C/T	0.972	0.028	-0.008	0.033	0.811	20.006
rs35552926	ebi-a-GCST90027161	10	5549874	G/A	0.766	0.234	-0.010	0.012	0.424	19.832
rs113406821	ebi-a-GCST90027161	3	70236425	G/A	0.939	0.061	-0.010	0.021	0.628	22.878
rs3104800	ebi-a-GCST90027161	16	52646376	G/A	0.637	0.363	-0.014	0.011	0.177	20.085
rs62235968	ebi-a-GCST90027161	22	37977713	T/C	0.661	0.339	-0.020	0.011	0.082	21.649
rs77768394	ebi-a-GCST90027161	14	33044243	C/T	0.965	0.035	-0.030	0.028	0.281	28.265
rs74016733	ebi-a-GCST90027161	16	24479830	C/T	0.928	0.072	-0.032	0.018	0.086	19.660
rs4374878	ebi-a-GCST90027161	7	19358761	G/A	0.947	0.053	-0.042	0.026	0.105	24.156

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rs79774233	ebi-a-GCST90027161	6	146035571	G/A	0.979	0.021	0.056	0.043	0.195	22.804
rs62167901	ebi-a-GCST90027161	2	142271919	G/A	0.892	0.108	0.030	0.016	0.061	28.715
rs62182099	ebi-a-GCST90027161	2	240184882	C/T	0.938	0.062	0.024	0.022	0.264	28.106
rs4843613	ebi-a-GCST90027161	16	87489698	T/C	0.168	0.168	0.023	0.014	0.092	23.731
rs78631379	ebi-a-GCST90027161	8	65630877	A/G	0.965	0.036	0.023	0.027	0.404	20.217
rs28489386	ebi-a-GCST90027161	8	20974664	A/G	0.947	0.053	0.023	0.025	0.368	20.883
rs530688	ebi-a-GCST90027161	11	78543856	T/C	0.591	0.409	0.021	0.010	0.042	23.760
rs11711620	ebi-a-GCST90027161	3	114444572	A/C	0.846	0.154	0.018	0.015	0.212	23.329
rs16955848	ebi-a-GCST90027161	18	50448235	C/T	0.934	0.066	0.017	0.022	0.429	19.980
rs73093445	ebi-a-GCST90027161	3	71542279	C/A	0.585	0.415	0.017	0.010	0.096	36.001
rs13084427	ebi-a-GCST90027161	3	160434610	T/C	0.693	0.307	0.017	0.011	0.125	24.001
rs17207890	ebi-a-GCST90027161	11	95490754	G/A	0.693	0.307	0.016	0.011	0.169	34.607
rs17824247	ebi-a-GCST90027161	2	144152539	T/C	0.608	0.392	0.014	0.011	0.168	30.205
rs2571009	ebi-a-GCST90027161	18	44650279	A/G	0.533	0.468	0.014	0.010	0.177	20.139
rs17149920	ebi-a-GCST90027161	7	77837131	A/C	0.840	0.160	0.014	0.013	0.317	20.204
rs75838475	ebi-a-GCST90027161	2	146177061	C/T	0.880	0.120	0.013	0.016	0.417	19.664
rs17596955	ebi-a-GCST90027161	15	92556154	A/G	0.910	0.090	0.012	0.017	0.473	19.368
rs514070	ebi-a-GCST90027161	1	88718155	G/A	0.806	0.194	0.012	0.013	0.356	20.039
rs12243061	ebi-a-GCST90027161	10	78756815	T/C	0.641	0.359	0.011	0.011	0.294	21.437
rs10514350	ebi-a-GCST90027161	5	90903609	A/G	0.806	0.194	0.011	0.016	0.506	20.120
rs74987819	ebi-a-GCST90027161	22	49599953	G/T	0.893	0.108	0.010	0.016	0.517	21.338
rs6965619	ebi-a-GCST90027161	7	12932728	A/C	0.268	0.268	0.010	0.011	0.385	24.746
rs4852285	ebi-a-GCST90027161	2	72446753	A/G	0.676	0.324	0.010	0.011	0.386	26.523
rs4681028	ebi-a-GCST90027161	3	25628749	G/T	0.779	0.221	0.009	0.013	0.463	20.040
rs6600140	ebi-a-GCST90027161	16	1446883	A/C	0.082	0.082	0.009	0.021	0.678	19.381
rs6981838	ebi-a-GCST90027161	8	36820750	G/A	0.829	0.171	0.007	0.014	0.589	21.430
rs7626945	ebi-a-GCST90027161	3	82405757	T/C	0.797	0.203	0.007	0.013	0.617	23.539
rs3858030	ebi-a-GCST90027161	9	1788498	T/C	0.266	0.266	0.007	0.011	0.556	22.386
rs356194	ebi-a-GCST90027161	4	90685798	A/G	0.273	0.273	0.006	0.012	0.589	26.014
rs56128159	ebi-a-GCST90027161	8	106336532	T/G	0.838	0.162	0.006	0.014	0.666	19.730
rs360941	ebi-a-GCST90027161	4	152855276	T/C	0.981	0.019	0.006	0.041	0.889	19.819
rs10065272	ebi-a-GCST90027161	5	125372245	G/A	0.349	0.349	0.006	0.011	0.609	23.927
rs34967803	ebi-a-GCST90027161	7	71109777	A/G	0.949	0.051	0.005	0.026	0.836	22.885
rs1548566	ebi-a-GCST90027161	15	25755522	C/T	0.833	0.167	0.005	0.014	0.719	19.780
rs2121289	ebi-a-GCST90027161	13	69734044	A/C	0.138	0.138	0.005	0.015	0.738	22.013
rs6134143	ebi-a-GCST90027161	20	1168774	T/C	0.671	0.329	0.005	0.012	0.689	22.594
rs4667812	ebi-a-GCST90027161	2	166254401	T/G	0.726	0.274	0.005	0.011	0.686	35.108
rs1241781	ebi-a-GCST90027161	14	42287845	C/A	0.512	0.488	0.004	0.010	0.701	25.960
rs1487446	ebi-a-GCST90027161	6	98565212	C/T	0.488	0.488	0.004	0.010	0.710	73.277
rs819571	ebi-a-GCST90027161	5	72828213	C/T	0.857	0.143	0.004	0.014	0.804	22.042
rs329655	ebi-a-GCST90027161	11	133850516	C/A	0.503	0.497	0.003	0.010	0.753	21.552
rs34833142	ebi-a-GCST90027161	18	21075938	A/G	0.531	0.469	0.003	0.010	0.776	23.153
rs13107325	ebi-a-GCST90027161	4	103188709	C/T	0.951	0.049	0.002	0.029	0.934	41.306
rs363096	ebi-a-GCST90027161	4	3180021	T/C	0.416	0.416	0.002	0.010	0.836	32.386
rs10129747	ebi-a-GCST90027161	14	77433198	A/G	0.512	0.488	0.002	0.010	0.860	34.422
rs6676084	ebi-a-GCST90027161	1	197094030	C/T	0.696	0.304	0.001	0.011	0.901	20.738
rs7932035	ebi-a-GCST90027161	11	39620131	A/G	0.192	0.192	0.001	0.013	0.930	36.324
rs6805280	ebi-a-GCST90027161	3	153151706	T/C	0.236	0.236	0.000	0.013	0.991	26.435
rs12370683	ebi-a-GCST90027161	12	74580266	T/C	0.799	0.201	-0.001	0.013	0.912	20.848

rs56187641	ebi-a-GCST90027161	5	50137152	A/G	0.875	0.125	-0.002	0.019	0.930	19.742
rs4785216	ebi-a-GCST90027161	16	50579394	T/C	0.720	0.280	-0.003	0.011	0.821	20.320
rs6491430	ebi-a-GCST90027161	13	99178276	G/A	0.429	0.429	-0.003	0.010	0.790	21.279
rs264343	ebi-a-GCST90027161	5	139355252	C/T	0.766	0.234	-0.003	0.012	0.805	22.837
rs71520517	ebi-a-GCST90027161	8	144473554	G/A	0.864	0.136	-0.003	0.015	0.832	24.279
rs3943093	ebi-a-GCST90027161	1	243458502	C/T	0.682	0.318	-0.003	0.011	0.757	25.244
rs10756793	ebi-a-GCST90027161	9	16726169	G/A	0.249	0.249	-0.004	0.012	0.756	26.884
rs12447542	ebi-a-GCST90027161	16	7744180	G/A	0.872	0.128	-0.005	0.015	0.753	23.421
rs73050916	ebi-a-GCST90027161	19	48984060	A/G	0.556	0.445	-0.005	0.010	0.611	21.173
rs6824540	ebi-a-GCST90027161	4	180895676	G/A	0.807	0.193	-0.006	0.013	0.666	20.862
rs117451379	ebi-a-GCST90027161	7	102389213	C/T	0.935	0.065	-0.007	0.021	0.754	20.605
rs4660303	ebi-a-GCST90027161	1	40060473	G/A	0.774	0.226	-0.007	0.012	0.577	20.594
rs2820311	ebi-a-GCST90027161	1	201841476	A/G	0.674	0.326	-0.008	0.011	0.471	22.310
rs139721227	ebi-a-GCST90027161	2	56873160	C/A	0.977	0.023	-0.008	0.038	0.825	20.274
rs1557341	ebi-a-GCST90027161	18	35127427	A/C	0.304	0.304	-0.008	0.011	0.460	27.223
rs71441133	ebi-a-GCST90027161	2	41355596	G/A	0.954	0.046	-0.009	0.027	0.727	23.953
rs7806045	ebi-a-GCST90027161	7	132610266	T/C	0.745	0.255	-0.014	0.012	0.238	30.606
rs6868457	ebi-a-GCST90027161	5	60550041	T/C	0.521	0.479	-0.014	0.010	0.170	22.316
rs2824408	ebi-a-GCST90027161	21	19011631	A/C	0.820	0.180	-0.015	0.014	0.287	21.136
rs7586014	ebi-a-GCST90027161	2	30089909	G/A	0.807	0.193	-0.016	0.013	0.205	22.721
rs2294567	ebi-a-GCST90027161	20	40101389	A/G	0.699	0.301	-0.017	0.011	0.134	24.830
rs997880	ebi-a-GCST90027161	14	29848830	A/C	0.374	0.374	-0.018	0.011	0.098	24.180
rs113677935	ebi-a-GCST90027161	6	92765831	G/A	0.968	0.032	-0.019	0.033	0.570	20.193
rs2635727	ebi-a-GCST90027161	6	50820940	T/C	0.235	0.235	-0.020	0.012	0.101	22.589
rs7613360	ebi-a-GCST90027161	3	49916710	C/T	0.643	0.357	-0.020	0.011	0.059	46.096
rs574918	ebi-a-GCST90027161	12	40357647	A/G	0.149	0.149	-0.022	0.015	0.159	26.443
rs997652	ebi-a-GCST90027161	17	63914365	G/T	0.649	0.351	-0.022	0.011	0.042	22.579
rs78679681	ebi-a-GCST90027161	3	143292353	G/A	0.968	0.032	-0.023	0.027	0.398	21.800
rs6103023	ebi-a-GCST90027161	20	35589095	T/C	0.450	0.450	-0.023	0.010	0.024	19.629
rs11762900	ebi-a-GCST90027161	7	1265682	C/T	0.415	0.415	-0.024	0.011	0.026	21.201
rs3908820	ebi-a-GCST90027161	1	101072470	A/G	0.923	0.077	-0.028	0.019	0.130	22.223
rs4239593	ebi-a-GCST90027161	19	55876747	C/T	0.954	0.047	-0.028	0.027	0.282	19.541
rs62587113	ebi-a-GCST90027161	9	130986184	C/T	0.986	0.014	-0.060	0.072	0.404	20.032

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rs73027124	ebi-a-GCST90027161	19	28930748	T/C	0.984	0.016	0.070	0.050	0.162	25.336
rs144893240	ebi-a-GCST90027161	4	17045036	G/A	0.964	0.036	0.038	0.027	0.157	22.050
rs149479731	ebi-a-GCST90027161	4	55832397	T/C	0.990	0.011	0.033	0.052	0.528	23.153
rs143623527	ebi-a-GCST90027161	11	64675148	G/A	0.980	0.020	0.022	0.033	0.518	21.108
rs1291125	ebi-a-GCST90027161	20	35508959	T/C	0.446	0.446	0.021	0.010	0.037	19.979
rs62241387	ebi-a-GCST90027161	3	18800847	C/A	0.850	0.150	0.020	0.014	0.148	20.421
rs11639314	ebi-a-GCST90027161	15	77540102	T/C	0.360	0.360	0.019	0.011	0.077	19.556
rs9287985	ebi-a-GCST90027161	2	176429580	A/G	0.719	0.281	0.015	0.011	0.179	26.426
rs17824247	ebi-a-GCST90027161	2	144152539	T/C	0.608	0.392	0.014	0.011	0.168	21.057
rs72797622	ebi-a-GCST90027161	5	113421256	T/G	0.866	0.134	0.013	0.015	0.372	19.522
rs6861279	ebi-a-GCST90027161	5	74919409	G/A	0.779	0.221	0.010	0.012	0.396	19.565
rs1802669	ebi-a-GCST90027161	10	21827796	G/A	0.667	0.333	0.008	0.011	0.440	21.518
rs12124523	ebi-a-GCST90027161	1	72621463	C/T	0.897	0.104	0.005	0.017	0.771	29.704
rs7203072	ebi-a-GCST90027161	16	24641076	A/G	0.407	0.407	0.002	0.010	0.820	20.926
rs2363280	ebi-a-GCST90027161	17	66646418	T/C	0.617	0.384	0.002	0.010	0.830	24.465
rs6447134	ebi-a-GCST90027161	4	42161491	A/G	0.813	0.187	0.000	0.013	0.978	19.949

rs11881124	ebi-a-GCST90027161	19	41305740	A/G	0.761	0.239	-0.003	0.012	0.833	29.193
rs71521011	ebi-a-GCST90027161	8	83088854	G/A	0.983	0.018	-0.004	0.040	0.922	22.330
rs77278319	ebi-a-GCST90027161	1	4749447	G/A	0.966	0.034	-0.005	0.032	0.872	22.841
rs73887911	ebi-a-GCST90027161	3	186172718	T/G	0.962	0.038	-0.006	0.031	0.847	25.574
rs62204370	ebi-a-GCST90027161	20	14390005	G/A	0.952	0.048	-0.008	0.022	0.726	19.737
rs17148903	ebi-a-GCST90027161	5	121497706	A/G	0.910	0.090	-0.008	0.018	0.665	22.777
rs146405445	ebi-a-GCST90027161	1	65000027	A/G	0.921	0.079	-0.012	0.019	0.531	21.580
rs76987077	ebi-a-GCST90027161	3	78547955	T/C	0.916	0.084	-0.012	0.019	0.532	24.199
rs55872725	ebi-a-GCST90027161	16	53809123	C/T	0.584	0.416	-0.012	0.010	0.226	60.006
rs7586014	ebi-a-GCST90027161	2	30089909	G/A	0.807	0.193	-0.016	0.013	0.205	19.808
rs1029594	ebi-a-GCST90027161	7	111305770	A/G	0.370	0.370	-0.017	0.010	0.097	22.253
rs12743460	ebi-a-GCST90027161	1	117511483	A/C	0.828	0.173	-0.027	0.014	0.051	21.104

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rs7282282	ebi-a-GCST90027161	21	36667496	T/C	0.019	0.019	0.057	0.038	0.141	23.967
rs115380759	ebi-a-GCST90027161	5	86061743	C/T	0.941	0.059	0.045	0.020	0.026	24.318
rs76824625	ebi-a-GCST90027161	1	213558088	A/G	0.971	0.029	0.035	0.036	0.331	22.883
rs878718	ebi-a-GCST90027161	22	31552702	A/G	0.470	0.470	0.028	0.010	0.007	27.530
rs117114779	ebi-a-GCST90027161	11	114096688	T/C	0.976	0.024	0.023	0.037	0.534	22.537
rs77273991	ebi-a-GCST90027161	1	170085854	G/A	0.976	0.024	0.022	0.034	0.511	21.551
rs232450	ebi-a-GCST90027161	21	22775656	T/C	0.928	0.072	0.020	0.020	0.300	22.985
rs2503212	ebi-a-GCST90027161	1	66488290	G/A	0.900	0.100	0.018	0.016	0.275	20.187
rs9264569	ebi-a-GCST90027161	6	31235412	T/C	0.217	0.217	0.017	0.013	0.169	40.550
rs11720523	ebi-a-GCST90027161	3	71545170	C/A	0.586	0.414	0.017	0.010	0.105	43.044
rs2022864	ebi-a-GCST90027161	1	98493785	G/A	0.189	0.189	0.016	0.013	0.217	35.433
rs72673546	ebi-a-GCST90027161	14	29834740	C/T	0.912	0.088	0.015	0.019	0.420	22.226
rs112577862	ebi-a-GCST90027161	4	180291532	C/A	0.894	0.106	0.015	0.016	0.345	19.952
rs7617480	ebi-a-GCST90027161	3	49210732	A/C	0.201	0.201	0.014	0.013	0.291	21.526
rs2220301	ebi-a-GCST90027161	9	11840378	G/A	0.362	0.362	0.013	0.011	0.209	23.595
rs35969923	ebi-a-GCST90027161	4	47267184	T/C	0.738	0.263	0.011	0.012	0.378	20.049
rs2357738	ebi-a-GCST90027161	8	115951314	C/T	0.840	0.160	0.010	0.014	0.438	21.240
rs16970038	ebi-a-GCST90027161	17	32892039	G/A	0.595	0.405	0.009	0.010	0.398	19.719
rs56316823	ebi-a-GCST90027161	9	38003856	G/A	0.766	0.234	0.008	0.012	0.509	21.371
rs2286730	ebi-a-GCST90027161	12	6839913	C/T	0.915	0.085	0.008	0.019	0.696	23.872
rs28432248	ebi-a-GCST90027161	7	1897761	T/C	0.788	0.213	0.008	0.012	0.526	38.096
rs1788821	ebi-a-GCST90027161	18	21120869	A/G	0.343	0.343	0.007	0.011	0.543	35.792
rs10421422	ebi-a-GCST90027161	19	14246429	T/G	0.638	0.363	0.006	0.011	0.584	21.008
rs10473972	ebi-a-GCST90027161	5	74653462	T/G	0.746	0.254	0.005	0.012	0.694	23.813
rs17184707	ebi-a-GCST90027161	2	166183577	C/T	0.787	0.213	0.004	0.013	0.755	29.041
rs624244	ebi-a-GCST90027161	18	53183396	G/A	0.364	0.364	0.004	0.010	0.717	24.980
rs7563496	ebi-a-GCST90027161	2	215581083	C/T	0.678	0.322	0.004	0.011	0.724	25.549
rs9867121	ebi-a-GCST90027161	3	114631548	C/A	0.821	0.180	0.003	0.013	0.806	22.006
rs10497502	ebi-a-GCST90027161	2	178380645	T/C	0.877	0.123	0.002	0.015	0.913	21.093
rs11605691	ebi-a-GCST90027161	11	72419514	C/T	0.810	0.190	0.000	0.013	0.991	19.912
rs55811426	ebi-a-GCST90027161	3	146695190	G/A	0.753	0.247	0.000	0.012	0.990	22.139
rs1093542	ebi-a-GCST90027161	15	29619594	T/C	0.351	0.351	-0.001	0.011	0.931	23.286
rs73117392	ebi-a-GCST90027161	3	70002020	T/C	0.950	0.050	-0.001	0.024	0.956	25.006
rs7226028	ebi-a-GCST90027161	17	5948425	G/A	0.689	0.311	-0.002	0.011	0.845	19.927
rs4511241	ebi-a-GCST90027161	10	62209255	G/A	0.470	0.470	-0.002	0.010	0.809	20.753
rs7017848	ebi-a-GCST90027161	8	142222374	A/G	0.411	0.411	-0.003	0.010	0.810	21.977
rs12761761	ebi-a-GCST90027161	10	133775375	C/T	0.758	0.242	-0.003	0.012	0.827	23.880

rs35099767	ebi-a-GCST90027161	6	98546547	G/T	0.656	0.344	-0.004	0.011	0.690	32.402
rs55667311	ebi-a-GCST90027161	3	88388945	A/G	0.891	0.109	-0.005	0.016	0.779	20.964
rs75440569	ebi-a-GCST90027161	8	1026197	G/A	0.935	0.065	-0.005	0.022	0.808	24.630
rs1217102	ebi-a-GCST90027161	8	64625106	T/C	0.378	0.378	-0.005	0.011	0.613	21.076
rs3828416	ebi-a-GCST90027161	3	3807597	C/T	0.609	0.391	-0.007	0.010	0.525	20.233
rs2668639	ebi-a-GCST90027161	17	44324539	T/C	0.166	0.166	-0.007	0.016	0.665	41.488
rs6893016	ebi-a-GCST90027161	5	112386284	A/G	0.506	0.494	-0.007	0.010	0.499	26.410
rs3843567	ebi-a-GCST90027161	9	1789663	A/G	0.742	0.258	-0.007	0.011	0.534	20.870
rs11032469	ebi-a-GCST90027161	11	33998078	A/G	0.511	0.489	-0.009	0.010	0.355	19.506
rs11818697	ebi-a-GCST90027161	10	32273277	A/G	0.743	0.257	-0.010	0.012	0.418	27.066
rs3213616	ebi-a-GCST90027161	7	18633901	A/G	0.200	0.200	-0.011	0.013	0.383	19.694
rs75262846	ebi-a-GCST90027161	12	55233675	G/T	0.935	0.065	-0.011	0.020	0.588	19.847
rs7247750	ebi-a-GCST90027161	19	1909714	G/A	0.823	0.177	-0.012	0.013	0.355	20.860
rs11642015	ebi-a-GCST90027161	16	53802494	C/T	0.584	0.416	-0.013	0.010	0.213	27.381
rs12443898	ebi-a-GCST90027161	16	12800648	C/A	0.817	0.184	-0.013	0.014	0.349	24.736
rs6589801	ebi-a-GCST90027161	11	119971987	T/C	0.469	0.469	-0.013	0.010	0.206	22.292
rs113891242	ebi-a-GCST90027161	1	32227413	T/C	0.963	0.037	-0.013	0.028	0.640	20.460
rs6960900	ebi-a-GCST90027161	7	111262370	G/A	0.673	0.327	-0.014	0.011	0.200	22.726
rs6426538	ebi-a-GCST90027161	1	226532848	T/C	0.510	0.490	-0.016	0.011	0.142	29.772
rs9446643	ebi-a-GCST90027161	6	73118307	A/G	0.813	0.187	-0.017	0.013	0.183	22.479
rs118109585	ebi-a-GCST90027161	6	88552427	G/T	0.947	0.053	-0.019	0.022	0.394	20.067
rs73199918	ebi-a-GCST90027161	8	18535965	C/T	0.987	0.013	-0.019	0.049	0.705	20.336
rs2817666	ebi-a-GCST90027161	10	98933853	G/A	0.615	0.385	-0.019	0.011	0.077	23.158
rs60222090	ebi-a-GCST90027161	3	159993572	A/G	0.923	0.077	-0.021	0.018	0.262	21.996
rs1560661	ebi-a-GCST90027161	5	149793457	C/T	0.450	0.450	-0.023	0.010	0.029	28.716
rs11196931	ebi-a-GCST90027161	10	116583614	G/A	0.899	0.101	-0.023	0.017	0.171	19.543
rs200744734	ebi-a-GCST90027161	1	244150517	G/A	0.961	0.039	-0.037	0.026	0.155	24.557
rs4963255	ebi-a-GCST90027161	11	61507606	G/A	0.840	0.160	-0.044	0.013	0.001	35.845
rs116985096	ebi-a-GCST90027161	8	79941386	C/T	0.984	0.016	-0.080	0.048	0.096	21.385

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rs75009929	ebi-a-GCST90027161	1	214015747	A/G	0.986	0.014	0.065	0.044	0.136	25.001
rs17407956	ebi-a-GCST90027161	10	9266677	G/A	0.966	0.034	0.046	0.034	0.179	20.823
rs185113258	ebi-a-GCST90027161	12	103298587	G/A	0.984	0.016	0.035	0.050	0.493	22.505
rs117637352	ebi-a-GCST90027161	20	41818162	G/A	0.898	0.102	0.029	0.016	0.075	21.532
rs11144705	ebi-a-GCST90027161	9	78590288	A/G	0.950	0.050	0.029	0.026	0.268	25.749
rs138598437	ebi-a-GCST90027161	5	79301755	A/G	0.931	0.069	0.029	0.022	0.196	19.579
rs12620608	ebi-a-GCST90027161	2	155443160	C/T	0.792	0.208	0.021	0.013	0.109	21.761
rs16910426	ebi-a-GCST90027161	9	26403617	T/G	0.950	0.050	0.017	0.025	0.497	19.992
rs367757313	ebi-a-GCST90027161	4	90888538	A/G	0.809	0.191	0.017	0.013	0.199	22.942
rs117136140	ebi-a-GCST90027161	9	71584439	A/G	0.976	0.024	0.014	0.032	0.653	21.312
rs113759627	ebi-a-GCST90027161	6	69953169	C/A	0.900	0.100	0.014	0.017	0.428	22.241
rs11744663	ebi-a-GCST90027161	5	57315635	G/A	0.814	0.186	0.013	0.013	0.335	20.440
rs17386988	ebi-a-GCST90027161	2	206570295	C/T	0.757	0.243	0.011	0.012	0.353	22.732
rs2300176	ebi-a-GCST90027161	1	71487812	A/G	0.765	0.236	0.010	0.012	0.409	20.472
rs6824562	ebi-a-GCST90027161	4	68058029	T/C	0.525	0.475	0.010	0.010	0.337	22.911
rs2377326	ebi-a-GCST90027161	19	45813830	G/T	0.718	0.282	0.010	0.015	0.521	21.971
rs372068960	ebi-a-GCST90027161	8	65557716	A/G	0.751	0.250	0.009	0.015	0.578	30.842
rs7533474	ebi-a-GCST90027161	1	187845827	C/A	0.626	0.374	0.009	0.010	0.405	19.800
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	37.309
rs10786599	ebi-a-GCST90027161	10	102384695	C/A	0.587	0.414	0.008	0.010	0.450	21.026

rs11790517	ebi-a-GCST90027161	9	95782667	C/T	0.749	0.252	0.007	0.012	0.592	22.527
rs56117933	ebi-a-GCST90027161	15	78832349	T/C	0.821	0.179	0.006	0.014	0.671	20.870
rs12364904	ebi-a-GCST90027161	11	66144100	C/T	0.902	0.098	0.006	0.018	0.748	22.356
rs1870405	ebi-a-GCST90027161	8	113946062	A/G	0.653	0.347	0.006	0.011	0.601	20.289
rs7236685	ebi-a-GCST90027161	18	2634217	G/A	0.583	0.417	0.005	0.010	0.629	19.494
rs11116176	ebi-a-GCST90027161	12	84434919	G/T	0.730	0.270	0.004	0.011	0.695	19.747
rs1203213	ebi-a-GCST90027161	6	75943069	T/G	0.046	0.046	0.004	0.024	0.864	35.062
rs13029509	ebi-a-GCST90027161	2	215374209	G/A	0.538	0.462	0.004	0.010	0.707	39.912
rs10877652	ebi-a-GCST90027161	12	61812925	T/G	0.739	0.261	0.003	0.012	0.792	22.052
rs4516626	ebi-a-GCST90027161	3	85152987	C/T	0.506	0.494	0.003	0.010	0.808	30.546
rs13107325	ebi-a-GCST90027161	4	103188709	C/T	0.951	0.049	0.002	0.029	0.934	26.645
rs114780223	ebi-a-GCST90027161	8	143535471	C/T	0.970	0.030	0.002	0.030	0.944	24.772
rs7298932	ebi-a-GCST90027161	12	23727301	A/G	0.866	0.134	0.001	0.016	0.931	20.707
rs7752431	ebi-a-GCST90027161	6	79372907	C/T	0.764	0.236	0.001	0.012	0.908	19.646
rs9349379	ebi-a-GCST90027161	6	12903957	A/G	0.572	0.428	0.001	0.010	0.955	20.227
rs801925	ebi-a-GCST90027161	2	125010912	A/G	0.324	0.324	0.001	0.011	0.965	30.258
rs17110109	ebi-a-GCST90027161	12	54668908	T/C	0.582	0.418	0.000	0.010	0.972	35.436
rs362307	ebi-a-GCST90027161	4	3241845	C/T	0.924	0.076	0.000	0.019	0.983	33.049
rs838145	ebi-a-GCST90027161	19	49248730	G/A	0.397	0.397	0.000	0.011	0.983	26.797
rs11962520	ebi-a-GCST90027161	6	43188600	C/T	0.958	0.043	0.000	0.021	0.998	21.789
rs912561	ebi-a-GCST90027161	6	150492727	T/G	0.211	0.211	0.000	0.013	0.979	19.515
rs4850901	ebi-a-GCST90027161	2	99954735	C/A	0.569	0.431	-0.001	0.010	0.900	33.915
rs11629248	ebi-a-GCST90027161	14	62776394	T/G	0.870	0.130	-0.002	0.015	0.922	21.405
rs62062288	ebi-a-GCST90027161	17	44096553	G/A	0.842	0.158	-0.002	0.016	0.923	66.301
rs12999287	ebi-a-GCST90027161	2	82538299	C/T	0.762	0.238	-0.002	0.012	0.885	22.102
rs7844210	ebi-a-GCST90027161	8	133975056	A/C	0.840	0.161	-0.003	0.014	0.853	20.424
rs12203592	ebi-a-GCST90027161	6	396321	C/T	0.868	0.132	-0.003	0.021	0.896	22.148
rs2877078	ebi-a-GCST90027161	21	47052296	T/G	0.459	0.459	-0.003	0.010	0.789	19.968
rs6931604	ebi-a-GCST90027161	6	98578215	C/T	0.415	0.415	-0.004	0.010	0.714	37.286
rs6436206	ebi-a-GCST90027161	2	221251933	T/C	0.798	0.203	-0.004	0.013	0.756	23.338
rs2321705	ebi-a-GCST90027161	17	28653734	A/G	0.503	0.497	-0.004	0.010	0.675	22.576
rs10221371	ebi-a-GCST90027161	18	50726294	C/A	0.571	0.429	-0.004	0.010	0.674	39.506
rs6705285	ebi-a-GCST90027161	2	66709468	G/T	0.370	0.370	-0.005	0.011	0.655	23.296
rs2969158	ebi-a-GCST90027161	4	55624854	G/T	0.340	0.340	-0.006	0.011	0.613	26.933
rs33705	ebi-a-GCST90027161	5	87504285	T/C	0.356	0.356	-0.006	0.011	0.597	23.348
rs72861736	ebi-a-GCST90027161	17	79986156	C/T	0.891	0.109	-0.006	0.016	0.728	24.619
rs7561798	ebi-a-GCST90027161	2	228973660	A/G	0.538	0.463	-0.006	0.010	0.538	19.784
rs17387169	ebi-a-GCST90027161	4	16001175	G/A	0.876	0.124	-0.007	0.017	0.674	21.134
rs6075655	ebi-a-GCST90027161	20	20394274	G/A	0.409	0.409	-0.009	0.011	0.416	20.140
rs10150495	ebi-a-GCST90027161	14	28993872	G/A	0.480	0.480	-0.010	0.010	0.336	21.284
rs62082231	ebi-a-GCST90027161	18	22677498	C/T	0.764	0.237	-0.010	0.012	0.422	21.030
rs72858925	ebi-a-GCST90027161	6	41511644	C/T	0.897	0.103	-0.011	0.016	0.504	21.444
rs34940743	ebi-a-GCST90027161	14	80102233	A/G	0.643	0.357	-0.011	0.011	0.294	28.075
rs4973055	ebi-a-GCST90027161	2	233720283	G/T	0.318	0.318	-0.011	0.011	0.319	22.540
rs118134876	ebi-a-GCST90027161	7	11500372	C/T	0.946	0.054	-0.013	0.022	0.568	29.840
rs11940694	ebi-a-GCST90027161	4	39414993	A/G	0.378	0.378	-0.013	0.011	0.237	40.513
rs1099665	ebi-a-GCST90027161	6	167237343	C/T	0.369	0.369	-0.014	0.011	0.201	23.926
rs80094169	ebi-a-GCST90027161	19	14775700	C/A	0.955	0.045	-0.014	0.024	0.575	21.161
rs7202438	ebi-a-GCST90027161	16	65994509	A/G	0.518	0.482	-0.014	0.010	0.158	26.928
rs151207857	ebi-a-GCST90027161	2	136784710	T/C	0.978	0.022	-0.015	0.032	0.649	19.884

rs68022844	ebi-a-GCST90027161	4	65968100	T/C	0.938	0.063	-0.016	0.020	0.417	22.910
rs7641987	ebi-a-GCST90027161	3	171097659	G/A	0.702	0.298	-0.017	0.011	0.140	26.067
rs36124654	ebi-a-GCST90027161	4	28247910	G/A	0.756	0.244	-0.017	0.012	0.167	20.335
rs189966089	ebi-a-GCST90027161	10	114886341	C/T	0.966	0.034	-0.018	0.026	0.477	19.853
rs36124186	ebi-a-GCST90027161	1	97014999	G/A	0.943	0.057	-0.018	0.024	0.437	19.631
rs66475343	ebi-a-GCST90027161	4	146242325	T/C	0.526	0.474	-0.020	0.010	0.056	21.072
rs11079849	ebi-a-GCST90027161	17	47090785	C/T	0.680	0.320	-0.020	0.011	0.065	23.761
rs647169	ebi-a-GCST90027161	3	163896965	C/T	0.499	0.499	-0.023	0.010	0.022	20.256
rs6016783	ebi-a-GCST90027161	20	35556192	T/G	0.576	0.424	-0.027	0.010	0.009	25.896
rs1229984	ebi-a-GCST90027161	4	100239319	T/C	0.017	0.017	-0.028	0.041	0.494	131.519
rs2181276	ebi-a-GCST90027161	1	42029134	G/A	0.928	0.072	-0.034	0.020	0.085	24.099
rs61321067	ebi-a-GCST90027161	16	12501388	A/G	0.952	0.048	-0.035	0.024	0.146	22.895
rs174533	ebi-a-GCST90027161	11	61549025	G/A	0.630	0.371	-0.035	0.010	0.001	25.321
rs35012242	ebi-a-GCST90027161	3	33685215	A/G	0.824	0.176	-0.045	0.014	0.001	20.343
rs142988485	ebi-a-GCST90027161	8	140983769	G/A	0.982	0.018	-0.063	0.044	0.152	21.860
rs117730364	ebi-a-GCST90027161	15	36850686	A/G	0.989	0.011	-0.063	0.051	0.213	19.816

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rs145345105	ebi-a-GCST90027161	11	30089136	G/A	0.994	0.006	0.192	0.091	0.036	26.821
rs77742462	ebi-a-GCST90027161	3	107637010	A/G	0.981	0.019	0.066	0.040	0.098	28.120
rs113067014	ebi-a-GCST90027161	1	217544273	G/A	0.962	0.038	0.053	0.028	0.059	23.114
rs62085396	ebi-a-GCST90027161	18	4454650	T/C	0.859	0.141	0.038	0.014	0.008	20.140
rs4860341	ebi-a-GCST90027161	4	61251106	T/C	0.081	0.081	0.032	0.018	0.069	28.247
rs7921	ebi-a-GCST90027161	17	62006259	G/A	0.754	0.246	0.032	0.012	0.007	40.543
rs4970984	ebi-a-GCST90027161	1	150887377	T/C	0.643	0.358	0.031	0.011	0.003	23.474
rs72835052	ebi-a-GCST90027161	5	167627642	G/A	0.917	0.083	0.027	0.018	0.120	20.769
rs77375871	ebi-a-GCST90027161	13	100552664	G/A	0.983	0.017	0.026	0.054	0.627	24.789
rs12488845	ebi-a-GCST90027161	3	163854596	A/C	0.787	0.213	0.025	0.012	0.047	21.192
rs549814	ebi-a-GCST90027161	2	45153508	C/T	0.627	0.373	0.025	0.010	0.017	139.801
rs61757207	ebi-a-GCST90027161	16	70358495	A/G	0.990	0.010	0.023	0.064	0.717	21.456
rs2968940	ebi-a-GCST90027161	4	130846669	G/A	0.299	0.299	0.022	0.011	0.051	21.684
rs112145286	ebi-a-GCST90027161	2	44892489	T/C	0.903	0.097	0.021	0.018	0.237	32.707
rs4861940	ebi-a-GCST90027161	4	182213909	C/T	0.853	0.147	0.020	0.014	0.149	24.028
rs624131	ebi-a-GCST90027161	1	93683210	A/G	0.623	0.377	0.020	0.011	0.061	20.428
rs7500809	ebi-a-GCST90027161	16	53428157	T/G	0.744	0.256	0.020	0.016	0.220	20.408
rs35528570	ebi-a-GCST90027161	17	62580234	A/G	0.542	0.458	0.018	0.010	0.077	23.565
rs78077522	ebi-a-GCST90027161	10	74698394	T/C	0.925	0.075	0.018	0.019	0.328	22.595
rs4288240	ebi-a-GCST90027161	6	113134897	G/T	0.467	0.467	0.018	0.015	0.226	21.354
rs11626780	ebi-a-GCST90027161	14	77473061	G/A	0.470	0.470	0.017	0.010	0.096	20.087
rs6473029	ebi-a-GCST90027161	8	78249823	T/C	0.553	0.447	0.016	0.010	0.113	20.639
rs6857	ebi-a-GCST90027161	19	45392254	C/T	0.818	0.182	0.016	0.013	0.218	31.924
rs117371901	ebi-a-GCST90027161	9	34361732	C/T	0.927	0.073	0.016	0.019	0.408	19.943
rs6947580	ebi-a-GCST90027161	7	82137236	A/G	0.223	0.223	0.016	0.012	0.193	23.085
rs8055522	ebi-a-GCST90027161	16	1244380	C/T	0.666	0.335	0.016	0.011	0.151	23.695
rs75329426	ebi-a-GCST90027161	1	91417515	C/A	0.966	0.034	0.015	0.032	0.626	20.839
rs9351265	ebi-a-GCST90027161	6	92117777	T/C	0.557	0.444	0.015	0.010	0.135	22.748
rs10751423	ebi-a-GCST90027161	1	204601963	G/A	0.468	0.468	0.014	0.010	0.164	20.065
rs141547796	ebi-a-GCST90027161	6	50615935	G/A	0.896	0.104	0.014	0.017	0.422	24.509
rs1291145	ebi-a-GCST90027161	20	35528475	T/C	0.347	0.347	0.013	0.011	0.213	65.815
rs4503172	ebi-a-GCST90027161	9	124640841	C/T	0.395	0.395	0.013	0.010	0.221	27.323
rs9504124	ebi-a-GCST90027161	6	4478478	C/T	0.718	0.282	0.013	0.011	0.252	37.790

rs11591147	ebi-a-GCST90027161	1	55505647	G/T	0.977	0.023	0.012	0.033	0.712	21.545
rs28376010	ebi-a-GCST90027161	15	68063739	G/T	0.815	0.185	0.012	0.014	0.383	36.906
rs11781387	ebi-a-GCST90027161	8	144263147	G/A	0.701	0.299	0.012	0.012	0.316	24.269
rs78606684	ebi-a-GCST90027161	3	161828597	T/C	0.814	0.186	0.011	0.014	0.410	28.536
rs7515509	ebi-a-GCST90027161	1	77949123	G/A	0.608	0.393	0.011	0.011	0.317	22.309
rs2243552	ebi-a-GCST90027161	21	30318466	T/G	0.817	0.183	0.010	0.014	0.454	20.031
rs4692708	ebi-a-GCST90027161	4	170228542	A/C	0.772	0.228	0.010	0.012	0.416	32.524
rs1806771	ebi-a-GCST90027161	10	63682387	T/G	0.910	0.091	0.010	0.017	0.573	25.654
rs3170660	ebi-a-GCST90027161	1	27210721	T/C	0.380	0.380	0.009	0.011	0.377	23.988
rs660240	ebi-a-GCST90027161	1	109817838	T/C	0.217	0.217	0.009	0.012	0.442	20.337
rs1536456	ebi-a-GCST90027161	14	68674793	A/G	0.363	0.363	0.009	0.011	0.387	26.219
rs2321149	ebi-a-GCST90027161	13	58517668	T/C	0.296	0.296	0.009	0.011	0.434	52.188
rs11620149	ebi-a-GCST90027161	13	89816082	T/C	0.870	0.130	0.008	0.015	0.590	27.193
rs1948662	ebi-a-GCST90027161	12	24144590	T/G	0.744	0.256	0.008	0.012	0.498	20.750
rs7439876	ebi-a-GCST90027161	4	80801878	G/A	0.421	0.421	0.007	0.010	0.472	26.043
rs35392738	ebi-a-GCST90027161	10	107654922	A/C	0.707	0.293	0.007	0.011	0.515	20.865
rs917328	ebi-a-GCST90027161	7	18288306	A/G	0.286	0.286	0.007	0.011	0.511	21.636
rs6602662	ebi-a-GCST90027161	10	13547709	A/G	0.226	0.226	0.007	0.013	0.579	23.382
rs10757427	ebi-a-GCST90027161	9	23377823	G/T	0.399	0.399	0.007	0.010	0.516	21.655
rs13258590	ebi-a-GCST90027161	8	87638453	T/G	0.569	0.432	0.007	0.010	0.506	28.483
rs34655300	ebi-a-GCST90027161	2	25514333	C/T	0.574	0.426	0.007	0.010	0.524	20.333
rs3891969	ebi-a-GCST90027161	6	170075736	G/A	0.836	0.164	0.007	0.013	0.625	21.618
rs2054710	ebi-a-GCST90027161	3	161090616	C/T	0.684	0.316	0.006	0.011	0.568	27.705
rs1514755	ebi-a-GCST90027161	2	166299635	A/G	0.730	0.270	0.006	0.011	0.618	26.392
rs67238148	ebi-a-GCST90027161	11	7946480	G/T	0.787	0.213	0.006	0.013	0.661	30.720
rs11670745	ebi-a-GCST90027161	19	3358321	C/T	0.944	0.057	0.005	0.023	0.815	22.835
rs28368129	ebi-a-GCST90027161	9	21140944	G/A	0.978	0.023	0.005	0.032	0.869	19.687
rs2468478	ebi-a-GCST90027161	5	28288696	C/A	0.775	0.226	0.005	0.012	0.689	20.516
rs2302351	ebi-a-GCST90027161	3	44039889	G/A	0.568	0.432	0.005	0.010	0.649	20.723
rs145282380	ebi-a-GCST90027161	7	341158	C/T	0.956	0.044	0.005	0.020	0.818	23.768
rs33442	ebi-a-GCST90027161	19	30948242	T/C	0.298	0.298	0.005	0.012	0.700	20.186
rs3911016	ebi-a-GCST90027161	9	88029000	T/G	0.866	0.134	0.004	0.015	0.764	41.132
rs78876700	ebi-a-GCST90027161	1	4670487	G/A	0.884	0.116	0.004	0.017	0.801	29.983
rs34198643	ebi-a-GCST90027161	7	2203808	C/T	0.805	0.195	0.004	0.013	0.760	37.318
rs4976407	ebi-a-GCST90027161	5	136427927	A/C	0.596	0.404	0.004	0.010	0.696	22.248
rs9375195	ebi-a-GCST90027161	6	98562720	G/A	0.487	0.487	0.004	0.010	0.698	26.061
rs7936836	ebi-a-GCST90027161	11	43633645	C/A	0.571	0.429	0.003	0.010	0.740	42.897
rs11971702	ebi-a-GCST90027161	7	140120546	T/C	0.569	0.431	0.003	0.011	0.758	21.529
rs221418	ebi-a-GCST90027161	14	80038474	T/G	0.651	0.349	0.003	0.011	0.771	20.314
rs2832747	ebi-a-GCST90027161	21	31646807	C/T	0.537	0.463	0.003	0.010	0.767	21.236
rs2960578	ebi-a-GCST90027161	18	21143739	T/G	0.498	0.498	0.003	0.010	0.793	70.539
rs1351408	ebi-a-GCST90027161	18	65193253	A/G	0.534	0.466	0.003	0.010	0.802	20.641
rs26497	ebi-a-GCST90027161	5	96138767	T/C	0.214	0.214	0.003	0.012	0.833	19.503
rs3809162	ebi-a-GCST90027161	12	54674235	A/G	0.562	0.438	0.003	0.010	0.801	20.403
rs10938397	ebi-a-GCST90027161	4	45182527	A/G	0.556	0.444	0.002	0.010	0.812	38.854
rs17115145	ebi-a-GCST90027161	14	30122409	C/T	0.593	0.407	0.002	0.010	0.813	30.016
rs13107325	ebi-a-GCST90027161	4	103188709	C/T	0.951	0.049	0.002	0.029	0.934	42.916
rs4140685	ebi-a-GCST90027161	2	162852079	G/T	0.657	0.344	0.002	0.011	0.865	27.421
rs7162035	ebi-a-GCST90027161	15	82055083	C/T	0.576	0.424	0.002	0.010	0.862	19.734
rs60512641	ebi-a-GCST90027161	18	52523477	G/A	0.591	0.409	0.002	0.010	0.868	21.567

rs2324154	ebi-a-GCST90027161	4	24027226	C/A	0.495	0.495	0.002	0.010	0.885	22.421
rs151335578	ebi-a-GCST90027161	12	11704247	G/A	0.984	0.016	0.001	0.034	0.970	19.444
rs7259537	ebi-a-GCST90027161	19	4582702	C/T	0.639	0.361	0.001	0.011	0.904	19.900
rs7590705	ebi-a-GCST90027161	2	128225228	A/G	0.502	0.498	0.001	0.010	0.901	19.395
rs7730004	ebi-a-GCST90027161	5	43191033	C/T	0.375	0.375	0.001	0.010	0.909	23.513
rs12296440	ebi-a-GCST90027161	12	49927148	G/A	0.793	0.207	0.001	0.012	0.925	42.391
rs524468	ebi-a-GCST90027161	12	371786	A/G	0.720	0.280	0.001	0.011	0.923	21.398
rs9363917	ebi-a-GCST90027161	6	69124013	C/T	0.260	0.260	0.001	0.012	0.925	19.944
rs11104665	ebi-a-GCST90027161	12	88307756	G/A	0.221	0.221	0.001	0.012	0.941	30.392
rs11130789	ebi-a-GCST90027161	3	60838518	C/T	0.266	0.266	0.001	0.012	0.936	22.491
rs55641531	ebi-a-GCST90027161	8	136802456	G/A	0.738	0.262	0.001	0.012	0.955	20.846
rs12999787	ebi-a-GCST90027161	2	144683054	G/A	0.705	0.295	0.000	0.011	0.973	23.333
rs1873036	ebi-a-GCST90027161	7	95551919	C/T	0.834	0.166	0.000	0.014	0.979	22.671
rs7298331	ebi-a-GCST90027161	12	22322789	A/C	0.430	0.430	0.000	0.010	0.966	27.661
rs12661183	ebi-a-GCST90027161	6	34426086	C/T	0.494	0.494	0.000	0.010	0.991	20.445
rs9856118	ebi-a-GCST90027161	3	151078216	A/G	0.841	0.159	0.000	0.014	0.994	20.492
rs72845670	ebi-a-GCST90027161	10	104106200	T/C	0.615	0.385	0.000	0.010	0.974	24.172
rs72829940	ebi-a-GCST90027161	17	34064264	G/A	0.840	0.160	-0.001	0.014	0.973	21.319
rs579596	ebi-a-GCST90027161	18	33783030	T/C	0.474	0.474	-0.001	0.010	0.952	20.700
rs6685323	ebi-a-GCST90027161	1	154295592	C/T	0.674	0.326	-0.001	0.011	0.929	20.284
rs2007403	ebi-a-GCST90027161	4	106131210	C/T	0.399	0.399	-0.001	0.010	0.916	24.129
rs281219	ebi-a-GCST90027161	15	47711652	A/G	0.227	0.227	-0.001	0.012	0.908	25.352
rs112439757	ebi-a-GCST90027161	16	72168337	C/T	0.798	0.202	-0.002	0.012	0.898	30.085
rs12672200	ebi-a-GCST90027161	7	115461436	G/A	0.662	0.338	-0.002	0.011	0.851	30.021
rs138525213	ebi-a-GCST90027161	2	193931462	G/A	0.420	0.420	-0.002	0.010	0.840	22.642
rs9735764	ebi-a-GCST90027161	11	131841878	A/G	0.776	0.224	-0.002	0.012	0.849	21.684
rs572322	ebi-a-GCST90027161	4	131696068	A/G	0.368	0.368	-0.002	0.011	0.816	25.018
rs6774906	ebi-a-GCST90027161	3	194803510	A/C	0.960	0.040	-0.002	0.026	0.927	34.413
rs73048438	ebi-a-GCST90027161	3	25185534	T/C	0.975	0.025	-0.002	0.033	0.944	19.386
rs136309	ebi-a-GCST90027161	22	31175525	C/A	0.822	0.178	-0.003	0.014	0.841	21.907
rs11877400	ebi-a-GCST90027161	18	50894597	G/T	0.438	0.438	-0.003	0.010	0.766	25.371
rs17088737	ebi-a-GCST90027161	8	22761463	T/C	0.812	0.188	-0.004	0.013	0.784	20.900
rs6952864	ebi-a-GCST90027161	7	3917123	T/C	0.832	0.168	-0.004	0.014	0.787	19.866
rs12185688	ebi-a-GCST90027161	2	191814608	T/C	0.884	0.116	-0.004	0.016	0.812	20.534
rs707217	ebi-a-GCST90027161	1	236864614	G/A	0.300	0.300	-0.004	0.011	0.724	19.979
rs13266268	ebi-a-GCST90027161	8	142611971	C/T	0.618	0.382	-0.005	0.011	0.677	29.768
rs2802525	ebi-a-GCST90027161	1	98549810	A/G	0.343	0.343	-0.005	0.017	0.785	24.087
rs2029401	ebi-a-GCST90027161	5	92891029	A/G	0.424	0.424	-0.005	0.010	0.643	27.432
rs6706648	ebi-a-GCST90027161	2	60722040	C/T	0.690	0.310	-0.005	0.011	0.665	20.145
rs78370515	ebi-a-GCST90027161	6	153498987	C/T	0.950	0.051	-0.005	0.024	0.824	23.868
rs4655801	ebi-a-GCST90027161	1	66240228	T/G	0.651	0.349	-0.006	0.011	0.549	22.715
rs73024304	ebi-a-GCST90027161	11	124941046	C/T	0.952	0.048	-0.007	0.025	0.787	32.555
rs17714824	ebi-a-GCST90027161	5	158254070	G/T	0.826	0.174	-0.007	0.013	0.615	22.526
rs1965353	ebi-a-GCST90027161	3	177333565	A/C	0.161	0.161	-0.007	0.015	0.638	23.640
rs35760956	ebi-a-GCST90027161	14	41134168	A/G	0.631	0.369	-0.008	0.011	0.483	30.596
rs145220228	ebi-a-GCST90027161	12	25175020	C/T	0.982	0.018	-0.008	0.041	0.845	20.985
rs921791	ebi-a-GCST90027161	5	67465479	T/C	0.719	0.281	-0.009	0.011	0.452	19.827
rs10269830	ebi-a-GCST90027161	7	70109813	A/G	0.455	0.455	-0.009	0.010	0.398	21.405
rs13237192	ebi-a-GCST90027161	7	38975713	C/A	0.587	0.414	-0.010	0.010	0.361	20.337
rs592695	ebi-a-GCST90027161	2	240101940	C/A	0.123	0.123	-0.010	0.016	0.538	22.965

rs2183271	ebi-a-GCST90027161	10	21957229	T/C	0.712	0.288	-0.010	0.015	0.515	20.491
rs7111957	ebi-a-GCST90027161	11	47409212	C/T	0.334	0.334	-0.010	0.011	0.352	23.439
rs13181793	ebi-a-GCST90027161	5	138408956	G/A	0.531	0.469	-0.010	0.010	0.322	23.987
rs35270670	ebi-a-GCST90027161	15	83481880	A/G	0.777	0.223	-0.010	0.012	0.398	27.886
rs1381187	ebi-a-GCST90027161	11	26279749	T/C	0.944	0.056	-0.011	0.024	0.639	23.113
rs1473781	ebi-a-GCST90027161	15	41818917	G/A	0.637	0.363	-0.011	0.010	0.286	25.667
rs1875407	ebi-a-GCST90027161	2	48062783	T/C	0.375	0.375	-0.011	0.011	0.284	25.138
rs2339928	ebi-a-GCST90027161	2	24049453	G/A	0.274	0.274	-0.012	0.012	0.318	38.013
rs2879899	ebi-a-GCST90027161	16	88763896	G/A	0.788	0.212	-0.012	0.013	0.344	21.743
rs10400419	ebi-a-GCST90027161	12	66389968	T/C	0.491	0.491	-0.012	0.010	0.246	20.920
rs13155750	ebi-a-GCST90027161	5	88167641	A/G	0.781	0.219	-0.012	0.013	0.329	20.636
rs975303	ebi-a-GCST90027161	6	19028788	A/G	0.834	0.166	-0.013	0.014	0.373	42.936
rs1523539	ebi-a-GCST90027161	20	51296548	G/A	0.656	0.344	-0.013	0.011	0.241	32.123
rs62236533	ebi-a-GCST90027161	22	41992169	G/A	0.914	0.086	-0.013	0.020	0.524	52.470
rs2838986	ebi-a-GCST90027161	21	47145374	A/G	0.206	0.206	-0.013	0.012	0.286	29.507
rs614132	ebi-a-GCST90027161	18	40985651	A/G	0.800	0.200	-0.014	0.013	0.264	28.222
rs727582	ebi-a-GCST90027161	8	116650468	A/G	0.624	0.376	-0.014	0.010	0.176	21.059
rs17809666	ebi-a-GCST90027161	18	67983757	A/G	0.950	0.050	-0.014	0.026	0.588	20.280
rs35759722	ebi-a-GCST90027161	7	41283105	G/A	0.913	0.087	-0.015	0.021	0.481	22.614
rs16862573	ebi-a-GCST90027161	3	187482769	A/G	0.882	0.118	-0.016	0.016	0.306	22.237
rs34423638	ebi-a-GCST90027161	20	40025314	A/G	0.807	0.193	-0.016	0.013	0.231	30.481
rs73096946	ebi-a-GCST90027161	4	17788715	T/C	0.874	0.126	-0.016	0.017	0.329	34.911
rs6694892	ebi-a-GCST90027161	1	38098535	T/C	0.932	0.068	-0.017	0.021	0.421	22.976
rs9985296	ebi-a-GCST90027161	3	36889621	T/C	0.411	0.411	-0.018	0.010	0.082	32.586
rs6713551	ebi-a-GCST90027161	2	58269871	C/T	0.816	0.184	-0.018	0.013	0.164	21.978
rs17256492	ebi-a-GCST90027161	14	62394907	T/C	0.793	0.207	-0.020	0.013	0.125	22.006
rs4765602	ebi-a-GCST90027161	12	125172685	G/A	0.651	0.350	-0.020	0.011	0.067	24.099
rs7613360	ebi-a-GCST90027161	3	49916710	C/T	0.643	0.357	-0.020	0.011	0.059	32.641
rs4414033	ebi-a-GCST90027161	1	156406853	G/A	0.392	0.392	-0.021	0.011	0.051	25.577
rs7012814	ebi-a-GCST90027161	8	9173358	G/A	0.518	0.482	-0.021	0.010	0.042	56.489
rs56182580	ebi-a-GCST90027161	7	132691858	T/C	0.717	0.283	-0.021	0.011	0.061	37.268
rs622200	ebi-a-GCST90027161	11	114028774	T/C	0.830	0.170	-0.021	0.013	0.108	19.948
rs17187757	ebi-a-GCST90027161	1	208994548	T/C	0.845	0.155	-0.022	0.014	0.116	25.777
rs7701886	ebi-a-GCST90027161	5	153547409	G/A	0.436	0.436	-0.022	0.010	0.034	24.200
rs12439352	ebi-a-GCST90027161	15	33420795	C/A	0.584	0.416	-0.022	0.010	0.032	22.077
rs11065360	ebi-a-GCST90027161	12	121386532	A/G	0.607	0.393	-0.022	0.010	0.032	27.208
rs150702313	ebi-a-GCST90027161	11	77270442	G/A	0.901	0.099	-0.023	0.016	0.168	24.531
rs2921588	ebi-a-GCST90027161	5	62895515	C/A	0.645	0.355	-0.023	0.011	0.028	24.424
rs73091724	ebi-a-GCST90027161	3	71492768	A/G	0.986	0.014	-0.029	0.043	0.503	28.042
rs145716019	ebi-a-GCST90027161	2	224782321	C/T	0.976	0.024	-0.032	0.032	0.317	19.656
rs72687464	ebi-a-GCST90027161	4	157155564	G/A	0.985	0.015	-0.034	0.051	0.507	22.488
rs28569885	ebi-a-GCST90027161	12	123897177	A/G	0.195	0.195	-0.035	0.013	0.007	31.176
rs80135703	ebi-a-GCST90027161	13	75373814	T/G	0.983	0.017	-0.039	0.043	0.360	22.084
rs3812206	ebi-a-GCST90027161	6	16700098	C/T	0.692	0.308	-0.043	0.011	0.000	23.819

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rs74692183	ebi-a-GCST90027161	15	64004247	C/T	0.956	0.044	0.054	0.024	0.026	25.821
rs117810762	ebi-a-GCST90027161	10	135315795	G/A	0.981	0.019	0.037	0.033	0.272	33.403
rs117968677	ebi-a-GCST90027161	15	75174251	G/A	0.972	0.028	0.033	0.031	0.286	39.637
rs34281672	ebi-a-GCST90027161	8	11309400	C/T	0.624	0.376	0.028	0.011	0.007	27.722
rs4577206	ebi-a-GCST90027161	19	47545719	C/T	0.120	0.120	0.027	0.016	0.095	22.292

rs10871777	ebi-a-GCST90027161	18	57851763	A/G	0.788	0.212	0.021	0.013	0.099	99.753
rs2373834	ebi-a-GCST90027161	7	88661253	A/G	0.174	0.174	0.021	0.014	0.135	19.248
rs723145	ebi-a-GCST90027161	9	8867519	A/G	0.211	0.211	0.021	0.012	0.094	19.714
rs4410790	ebi-a-GCST90027161	7	17284577	T/C	0.351	0.351	0.020	0.011	0.062	682.566
rs58115360	ebi-a-GCST90027161	4	2865107	C/T	0.684	0.317	0.018	0.011	0.102	25.316
rs11716326	ebi-a-GCST90027161	3	137119736	G/A	0.792	0.208	0.017	0.013	0.167	23.485
rs6227	ebi-a-GCST90027161	15	91425232	C/T	0.687	0.313	0.017	0.011	0.130	37.076
rs56113850	ebi-a-GCST90027161	19	41353107	T/C	0.426	0.426	0.015	0.010	0.143	77.426
rs184120359	ebi-a-GCST90027161	19	9594173	G/A	0.921	0.079	0.015	0.026	0.565	22.143
rs2234233	ebi-a-GCST90027161	5	9629529	G/A	0.827	0.173	0.015	0.013	0.274	20.185
rs7774229	ebi-a-GCST90027161	6	65482440	G/A	0.916	0.084	0.015	0.018	0.423	25.583
rs62220377	ebi-a-GCST90027161	21	45722811	A/C	0.955	0.045	0.014	0.026	0.581	21.250
rs547462544	ebi-a-GCST90027161	6	139710681	T/C	0.996	0.004	0.014	0.061	0.816	20.812
rs4925114	ebi-a-GCST90027161	17	17711270	A/G	0.353	0.353	0.014	0.011	0.194	40.775
rs4660846	ebi-a-GCST90027161	1	40049511	C/T	0.323	0.323	0.014	0.011	0.214	23.133
rs74359090	ebi-a-GCST90027161	8	83650647	T/C	0.962	0.039	0.013	0.024	0.583	23.271
rs78845572	ebi-a-GCST90027161	20	42800271	C/T	0.889	0.111	0.013	0.016	0.398	21.110
rs329122	ebi-a-GCST90027161	5	133864599	G/A	0.576	0.424	0.012	0.010	0.253	33.227
rs2613458	ebi-a-GCST90027161	11	115474581	A/C	0.317	0.317	0.010	0.011	0.356	23.773
rs6961484	ebi-a-GCST90027161	7	124902178	T/C	0.475	0.475	0.010	0.010	0.337	20.488
rs7733412	ebi-a-GCST90027161	5	107827693	C/T	0.192	0.192	0.010	0.013	0.458	23.926
rs4244225	ebi-a-GCST90027161	7	49619246	A/G	0.098	0.098	0.009	0.018	0.633	21.220
rs55780162	ebi-a-GCST90027161	7	140169706	A/G	0.616	0.384	0.009	0.011	0.417	22.388
rs574367	ebi-a-GCST90027161	1	177873210	G/T	0.807	0.193	0.008	0.013	0.547	38.330
rs10193706	ebi-a-GCST90027161	2	146316319	A/C	0.427	0.427	0.008	0.010	0.468	28.515
rs75347775	ebi-a-GCST90027161	19	18495908	G/A	0.750	0.250	0.007	0.012	0.555	35.950
rs12322545	ebi-a-GCST90027161	12	97606943	G/A	0.862	0.139	0.007	0.015	0.650	25.548
rs907188	ebi-a-GCST90027161	1	226612826	G/T	0.835	0.165	0.007	0.017	0.688	22.995
rs7991723	ebi-a-GCST90027161	13	59727520	C/T	0.339	0.339	0.007	0.011	0.534	24.493
rs1057868	ebi-a-GCST90027161	7	75615006	C/T	0.674	0.326	0.007	0.011	0.534	156.797
rs11127048	ebi-a-GCST90027161	2	27752463	G/A	0.382	0.382	0.006	0.010	0.555	100.274
rs115942789	ebi-a-GCST90027161	16	88774871	A/G	0.967	0.034	0.006	0.026	0.815	21.237
rs211081	ebi-a-GCST90027161	10	53085374	C/T	0.457	0.457	0.006	0.010	0.587	21.824
rs56349356	ebi-a-GCST90027161	6	139889377	G/A	0.979	0.021	0.005	0.038	0.891	23.429
rs8056750	ebi-a-GCST90027161	16	70927078	C/T	0.629	0.371	0.005	0.011	0.653	38.613
rs11236225	ebi-a-GCST90027161	11	74424075	A/G	0.797	0.203	0.004	0.013	0.735	26.132
rs76881016	ebi-a-GCST90027161	10	134196286	A/G	0.943	0.058	0.004	0.023	0.855	26.104
rs34060476	ebi-a-GCST90027161	7	73037956	A/G	0.867	0.133	0.004	0.015	0.790	100.573
rs627933	ebi-a-GCST90027161	11	56268433	A/G	0.669	0.331	0.004	0.011	0.712	31.895
rs10224022	ebi-a-GCST90027161	7	1659305	C/T	0.445	0.445	0.004	0.010	0.707	24.188
rs2322280	ebi-a-GCST90027161	6	164666930	G/A	0.561	0.439	0.004	0.010	0.710	19.599
rs1153598	ebi-a-GCST90027161	3	25569043	A/G	0.866	0.134	0.004	0.015	0.811	24.133
rs11139656	ebi-a-GCST90027161	9	85226609	G/A	0.755	0.245	0.003	0.012	0.833	25.686
rs12514566	ebi-a-GCST90027161	5	7391462	G/A	0.703	0.297	0.002	0.011	0.839	43.357
rs1533434	ebi-a-GCST90027161	3	6828364	A/G	0.515	0.485	0.002	0.014	0.881	21.735
rs34276507	ebi-a-GCST90027161	19	4300415	G/A	0.660	0.341	0.002	0.011	0.852	24.376
rs9296406	ebi-a-GCST90027161	6	42940810	T/C	0.493	0.493	0.002	0.010	0.859	26.894
rs1870107	ebi-a-GCST90027161	8	110447930	T/C	0.462	0.462	0.002	0.010	0.866	27.367
rs12403951	ebi-a-GCST90027161	1	97708274	A/G	0.705	0.295	0.001	0.011	0.939	20.570
rs4420190	ebi-a-GCST90027161	10	105085191	T/C	0.746	0.254	0.001	0.012	0.961	21.518

rs2465037	ebi-a-GCST90027161	6	51179260	C/A	0.680	0.320	0.000	0.011	0.975	54.424
rs80055580	ebi-a-GCST90027161	20	60500006	G/T	0.893	0.107	0.000	0.016	0.996	20.189
rs9728268	ebi-a-GCST90027161	1	38364089	T/C	0.243	0.243	-0.001	0.012	0.952	21.392
rs11060255	ebi-a-GCST90027161	12	122677724	G/A	0.484	0.484	-0.001	0.010	0.927	29.806
rs787498	ebi-a-GCST90027161	1	68071100	C/T	0.790	0.210	-0.001	0.013	0.931	25.640
rs7198453	ebi-a-GCST90027161	16	54446268	G/A	0.605	0.395	-0.002	0.011	0.852	24.536
rs730632	ebi-a-GCST90027161	2	6566079	C/T	0.842	0.158	-0.002	0.015	0.889	21.390
rs62256289	ebi-a-GCST90027161	3	70546555	C/T	0.680	0.320	-0.002	0.011	0.839	21.637
rs3857599	ebi-a-GCST90027161	6	50938247	C/A	0.814	0.186	-0.003	0.012	0.790	24.546
rs2472297	ebi-a-GCST90027161	15	75027880	C/T	0.740	0.261	-0.003	0.012	0.765	829.689
rs17144566	ebi-a-GCST90027161	11	82798226	C/T	0.830	0.171	-0.004	0.014	0.775	28.372
rs1182580	ebi-a-GCST90027161	1	104446782	C/T	0.560	0.440	-0.004	0.010	0.690	20.499
rs9650210	ebi-a-GCST90027161	8	65496059	C/A	0.877	0.123	-0.004	0.015	0.782	26.164
rs630194	ebi-a-GCST90027161	18	40950954	T/C	0.637	0.363	-0.005	0.011	0.646	32.545
rs7998265	ebi-a-GCST90027161	13	109310129	C/T	0.733	0.267	-0.005	0.012	0.678	27.610
rs66475668	ebi-a-GCST90027161	11	99970688	T/C	0.917	0.083	-0.005	0.018	0.770	24.121
rs16826524	ebi-a-GCST90027161	3	173157196	C/T	0.768	0.232	-0.005	0.013	0.665	21.269
rs245771	ebi-a-GCST90027161	5	170529606	G/T	0.330	0.330	-0.005	0.011	0.615	21.879
rs10744299	ebi-a-GCST90027161	12	127703953	C/T	0.777	0.223	-0.006	0.013	0.633	23.780
rs117934594	ebi-a-GCST90027161	7	68907479	G/A	0.990	0.010	-0.006	0.069	0.929	19.570
rs210917	ebi-a-GCST90027161	6	11711968	A/G	0.189	0.189	-0.006	0.013	0.631	21.951
rs2048108	ebi-a-GCST90027161	12	124850666	T/C	0.548	0.452	-0.006	0.010	0.536	19.878
rs830355	ebi-a-GCST90027161	3	64099124	T/C	0.136	0.136	-0.006	0.014	0.647	23.531
rs6733007	ebi-a-GCST90027161	2	23888471	C/T	0.293	0.293	-0.007	0.012	0.553	23.578
rs71532543	ebi-a-GCST90027161	7	32998910	G/A	0.675	0.325	-0.007	0.015	0.609	20.779
rs4615895	ebi-a-GCST90027161	1	96274668	G/A	0.252	0.252	-0.008	0.012	0.514	37.935
rs12604773	ebi-a-GCST90027161	18	19028164	A/G	0.353	0.353	-0.008	0.011	0.464	19.196
rs17687539	ebi-a-GCST90027161	7	89662674	A/G	0.806	0.194	-0.008	0.013	0.518	28.230
rs7306710	ebi-a-GCST90027161	12	66376091	T/C	0.501	0.499	-0.009	0.010	0.381	22.244
rs28490963	ebi-a-GCST90027161	7	113463095	G/A	0.936	0.064	-0.009	0.022	0.668	23.176
rs9940128	ebi-a-GCST90027161	16	53800754	G/A	0.568	0.433	-0.010	0.010	0.348	97.593
rs1467914	ebi-a-GCST90027161	3	50523668	A/G	0.847	0.153	-0.010	0.014	0.461	29.241
rs13166120	ebi-a-GCST90027161	5	87948883	G/A	0.855	0.145	-0.010	0.014	0.472	40.155
rs7209484	ebi-a-GCST90027161	17	46143042	T/C	0.783	0.218	-0.010	0.013	0.415	40.197
rs7016815	ebi-a-GCST90027161	8	1395827	T/G	0.768	0.232	-0.013	0.012	0.301	20.766
rs11876773	ebi-a-GCST90027161	18	29937076	C/T	0.887	0.113	-0.013	0.015	0.412	20.213
rs13054099	ebi-a-GCST90027161	22	41215672	T/C	0.754	0.246	-0.013	0.012	0.291	42.404
rs1410815	ebi-a-GCST90027161	13	32010021	C/T	0.228	0.228	-0.013	0.012	0.306	20.287
rs4860734	ebi-a-GCST90027161	4	67096904	G/A	0.714	0.286	-0.014	0.011	0.224	22.568
rs13387090	ebi-a-GCST90027161	2	650974	G/T	0.833	0.167	-0.014	0.014	0.309	79.641
rs9398171	ebi-a-GCST90027161	6	108983527	C/T	0.321	0.321	-0.014	0.011	0.183	31.014
rs10997940	ebi-a-GCST90027161	10	69886950	C/T	0.587	0.413	-0.014	0.010	0.162	26.953
rs72865722	ebi-a-GCST90027161	11	16947421	G/A	0.877	0.123	-0.016	0.020	0.430	20.622
rs6595449	ebi-a-GCST90027161	5	122750972	A/C	0.565	0.435	-0.017	0.010	0.104	23.913
rs2189234	ebi-a-GCST90027161	4	106075498	T/G	0.373	0.373	-0.017	0.011	0.113	38.164
rs34715167	ebi-a-GCST90027161	3	29142706	C/T	0.626	0.374	-0.017	0.011	0.113	20.329
rs13303360	ebi-a-GCST90027161	1	203488344	G/A	0.827	0.173	-0.018	0.014	0.203	18.999
rs139512297	ebi-a-GCST90027161	1	198912770	G/T	0.988	0.012	-0.018	0.051	0.727	20.752
rs6062357	ebi-a-GCST90027161	20	62892739	C/T	0.593	0.407	-0.018	0.011	0.085	47.325
rs12989746	ebi-a-GCST90027161	2	49368391	G/T	0.745	0.255	-0.021	0.012	0.075	25.460

rs1942965	ebi-a-GCST90027161	18	55032486	T/C	0.533	0.467	-0.022	0.010	0.038	21.880
rs6040062	ebi-a-GCST90027161	20	10640846	G/A	0.900	0.100	-0.023	0.018	0.194	19.702
rs57918684	ebi-a-GCST90027161	17	60150383	G/A	0.807	0.193	-0.023	0.012	0.064	27.526
rs45510500	ebi-a-GCST90027161	4	123179900	C/T	0.946	0.054	-0.024	0.022	0.279	20.546
rs6030315	ebi-a-GCST90027161	20	35569824	C/A	0.571	0.429	-0.025	0.010	0.013	26.526
rs7736449	ebi-a-GCST90027161	5	53292381	G/A	0.903	0.097	-0.025	0.018	0.159	29.322
rs6063085	ebi-a-GCST90027161	20	45840459	A/C	0.627	0.373	-0.027	0.011	0.011	46.238
rs2231142	ebi-a-GCST90027161	4	89052323	G/T	0.902	0.098	-0.029	0.018	0.100	58.287
rs6695123	ebi-a-GCST90027161	1	150563483	T/C	0.348	0.348	-0.031	0.011	0.004	28.763
rs35798887	ebi-a-GCST90027161	22	24166079	C/T	0.981	0.019	-0.033	0.042	0.433	19.104

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rs116995181	ebi-a-GCST90027161	10	53412324	T/C	0.982	0.018	0.077	0.054	0.153	20.541
rs76175867	ebi-a-GCST90027161	2	236205782	C/T	0.987	0.013	0.051	0.045	0.250	22.864
rs13316357	ebi-a-GCST90027161	3	71615018	A/G	0.306	0.306	0.043	0.011	0.000	26.838
rs62618693	ebi-a-GCST90027161	11	32956492	C/T	0.964	0.036	0.035	0.030	0.239	20.207
rs834233	ebi-a-GCST90027161	1	150354276	G/A	0.620	0.381	0.032	0.010	0.002	31.213
rs6844372	ebi-a-GCST90027161	4	152917917	A/C	0.496	0.496	0.029	0.010	0.005	27.211
rs17031272	ebi-a-GCST90027161	4	102347556	G/A	0.954	0.046	0.026	0.024	0.291	20.793
rs113409787	ebi-a-GCST90027161	9	96409405	G/A	0.936	0.065	0.022	0.021	0.294	20.923
rs4410790	ebi-a-GCST90027161	7	17284577	T/C	0.351	0.351	0.020	0.011	0.062	51.632
rs140730014	ebi-a-GCST90027161	2	179354542	C/T	0.982	0.019	0.020	0.033	0.543	23.634
rs3996048	ebi-a-GCST90027161	3	108068941	G/A	0.442	0.442	0.019	0.010	0.069	19.878
rs1014174	ebi-a-GCST90027161	2	229951964	T/C	0.558	0.442	0.018	0.010	0.090	22.312
rs12906962	ebi-a-GCST90027161	15	95312071	T/C	0.643	0.357	0.018	0.010	0.089	21.229
rs6736768	ebi-a-GCST90027161	2	59176413	A/G	0.766	0.234	0.018	0.012	0.146	37.784
rs7140680	ebi-a-GCST90027161	14	69450505	G/A	0.545	0.455	0.017	0.010	0.100	30.635
rs7525155	ebi-a-GCST90027161	1	238976992	G/A	0.839	0.161	0.017	0.014	0.242	19.218
rs993992	ebi-a-GCST90027161	2	80338702	G/A	0.640	0.360	0.016	0.011	0.126	33.263
rs1334297	ebi-a-GCST90027161	13	58335375	G/A	0.270	0.270	0.016	0.011	0.173	27.374
rs1598153	ebi-a-GCST90027161	2	52911479	A/C	0.696	0.304	0.015	0.011	0.176	25.973
rs12946673	ebi-a-GCST90027161	17	21409431	G/A	0.814	0.186	0.014	0.013	0.290	22.250
rs62183029	ebi-a-GCST90027161	2	212632452	G/A	0.692	0.308	0.013	0.011	0.225	27.889
rs117358490	ebi-a-GCST90027161	11	86628222	G/T	0.953	0.047	0.013	0.032	0.687	21.210
rs4577973	ebi-a-GCST90027161	8	19658017	T/C	0.610	0.390	0.013	0.010	0.228	20.586
rs193253209	ebi-a-GCST90027161	2	113202002	A/G	0.982	0.018	0.012	0.038	0.752	19.913
rs3773245	ebi-a-GCST90027161	3	78786125	C/T	0.778	0.222	0.012	0.013	0.340	20.922
rs61164679	ebi-a-GCST90027161	14	60169895	C/T	0.657	0.343	0.012	0.011	0.288	22.177
rs2329397	ebi-a-GCST90027161	7	39535570	A/C	0.429	0.429	0.012	0.010	0.263	19.516
rs72645432	ebi-a-GCST90027161	11	111314721	C/T	0.765	0.235	0.011	0.012	0.347	25.980
rs72896152	ebi-a-GCST90027161	6	33794972	C/T	0.820	0.180	0.011	0.014	0.395	21.220
rs1911700	ebi-a-GCST90027161	2	41570342	A/G	0.286	0.286	0.011	0.012	0.361	25.325
rs2553278	ebi-a-GCST90027161	8	30993375	C/T	0.574	0.426	0.010	0.010	0.319	20.607
rs2836673	ebi-a-GCST90027161	21	40133710	C/T	0.606	0.394	0.010	0.011	0.330	23.280
rs34834528	ebi-a-GCST90027161	16	10255910	G/A	0.893	0.107	0.010	0.017	0.533	28.151
rs56241417	ebi-a-GCST90027161	4	37245797	C/A	0.813	0.187	0.010	0.014	0.488	22.331
rs11600502	ebi-a-GCST90027161	11	1714984	G/A	0.436	0.436	0.009	0.010	0.389	20.800
rs2159604	ebi-a-GCST90027161	12	3905415	A/G	0.766	0.235	0.009	0.012	0.463	19.543
rs7914588	ebi-a-GCST90027161	10	14727748	A/G	0.533	0.467	0.009	0.010	0.394	20.170
rs2347867	ebi-a-GCST90027161	6	152229850	G/A	0.354	0.354	0.009	0.011	0.428	27.569
rs747584	ebi-a-GCST90027161	4	8373602	T/G	0.458	0.458	0.009	0.010	0.398	19.655

rs182812652	ebi-a-GCST90027161	8	99871052	G/A	0.978	0.022	0.008	0.038	0.828	20.608
rs13128397	ebi-a-GCST90027161	4	67993599	A/G	0.520	0.480	0.008	0.010	0.416	39.489
rs288186	ebi-a-GCST90027161	5	107346393	C/T	0.343	0.343	0.008	0.011	0.473	22.751
rs112755386	ebi-a-GCST90027161	5	86779121	G/A	0.930	0.071	0.007	0.022	0.740	22.774
rs9370792	ebi-a-GCST90027161	6	15099585	A/C	0.580	0.421	0.007	0.010	0.485	19.752
rs793516	ebi-a-GCST90027161	10	98987985	G/T	0.666	0.335	0.007	0.011	0.542	28.941
rs2697144	ebi-a-GCST90027161	3	11051099	C/T	0.246	0.246	0.006	0.012	0.618	19.538
rs1788760	ebi-a-GCST90027161	18	21137442	A/G	0.332	0.332	0.006	0.011	0.605	47.341
rs7859232	ebi-a-GCST90027161	9	125314885	G/A	0.633	0.367	0.005	0.011	0.638	19.365
rs1437971	ebi-a-GCST90027161	2	100986964	A/C	0.321	0.321	0.005	0.011	0.670	30.414
rs7254601	ebi-a-GCST90027161	19	36147315	A/G	0.795	0.205	0.005	0.013	0.716	23.105
rs822506	ebi-a-GCST90027161	1	155846820	A/G	0.071	0.071	0.004	0.019	0.825	21.783
rs56386046	ebi-a-GCST90027161	19	5037230	C/T	0.653	0.347	0.004	0.011	0.724	21.936
rs73442093	ebi-a-GCST90027161	6	54577109	T/G	0.683	0.317	0.004	0.011	0.752	23.167
rs113404918	ebi-a-GCST90027161	7	142709950	C/A	0.938	0.063	0.003	0.022	0.880	19.903
rs6755578	ebi-a-GCST90027161	2	109883853	G/A	0.659	0.341	0.003	0.011	0.760	22.887
rs34297818	ebi-a-GCST90027161	15	61564314	A/G	0.405	0.405	0.003	0.010	0.759	27.173
rs12323725	ebi-a-GCST90027161	14	30145211	A/G	0.600	0.400	0.002	0.010	0.841	36.019
rs12735232	ebi-a-GCST90027161	1	6867842	T/C	0.831	0.169	0.002	0.013	0.873	39.208
rs62253088	ebi-a-GCST90027161	3	85400801	T/C	0.305	0.305	0.002	0.011	0.849	24.299
rs9590679	ebi-a-GCST90027161	13	42814100	T/C	0.784	0.216	0.001	0.012	0.946	22.137
rs9968276	ebi-a-GCST90027161	4	15949551	G/A	0.765	0.235	0.001	0.012	0.946	20.158
rs4701099	ebi-a-GCST90027161	5	178777635	C/T	0.861	0.139	0.001	0.015	0.959	24.272
rs17522169	ebi-a-GCST90027161	15	51400745	G/T	0.888	0.112	0.000	0.016	0.995	25.862
rs6678734	ebi-a-GCST90027161	1	96176563	A/G	0.527	0.473	-0.001	0.010	0.964	25.172
rs2080727	ebi-a-GCST90027161	2	24350907	A/G	0.643	0.357	-0.001	0.011	0.958	25.058
rs2007403	ebi-a-GCST90027161	4	106131210	C/T	0.399	0.399	-0.001	0.010	0.916	31.963
rs3768822	ebi-a-GCST90027161	2	210538006	G/A	0.895	0.105	-0.001	0.016	0.937	21.411
rs7742854	ebi-a-GCST90027161	6	98528143	C/T	0.635	0.366	-0.001	0.011	0.908	56.227
rs4716060	ebi-a-GCST90027161	6	16310456	C/A	0.711	0.289	-0.001	0.011	0.908	24.704
rs7576060	ebi-a-GCST90027161	2	188073163	C/T	0.644	0.357	-0.002	0.010	0.889	24.683
rs9573367	ebi-a-GCST90027161	13	74859071	G/T	0.459	0.459	-0.002	0.010	0.881	21.138
rs1106761	ebi-a-GCST90027161	8	142619234	G/A	0.620	0.381	-0.002	0.011	0.860	38.694
rs324416	ebi-a-GCST90027161	1	46865387	A/G	0.141	0.141	-0.002	0.016	0.890	30.352
rs11724252	ebi-a-GCST90027161	4	159863158	A/G	0.316	0.316	-0.002	0.011	0.845	32.714
rs2229840	ebi-a-GCST90027161	12	124826462	C/T	0.847	0.153	-0.002	0.014	0.877	32.560
rs4236743	ebi-a-GCST90027161	8	130252108	G/A	0.430	0.430	-0.003	0.010	0.780	21.828
rs720701	ebi-a-GCST90027161	6	166011637	A/G	0.687	0.313	-0.003	0.011	0.786	19.506
rs10854853	ebi-a-GCST90027161	22	48874412	G/T	0.554	0.446	-0.003	0.011	0.758	23.419
rs2862130	ebi-a-GCST90027161	3	141645533	G/A	0.499	0.499	-0.003	0.010	0.746	24.704
rs2472297	ebi-a-GCST90027161	15	75027880	C/T	0.740	0.261	-0.003	0.012	0.765	84.876
rs1858740	ebi-a-GCST90027161	3	38438372	T/C	0.434	0.434	-0.004	0.010	0.708	20.587
rs6963630	ebi-a-GCST90027161	7	20672721	C/T	0.830	0.171	-0.004	0.013	0.757	21.575
rs28429148	ebi-a-GCST90027161	16	53798319	G/A	0.543	0.458	-0.005	0.010	0.624	20.364
rs1409785	ebi-a-GCST90027161	1	75248122	G/A	0.369	0.369	-0.005	0.011	0.614	24.497
rs182823	ebi-a-GCST90027161	1	61680266	C/T	0.446	0.446	-0.005	0.010	0.612	37.688
rs13650	ebi-a-GCST90027161	7	150498045	A/G	0.699	0.301	-0.006	0.011	0.615	23.362
rs6538873	ebi-a-GCST90027161	12	98846659	G/A	0.832	0.168	-0.006	0.014	0.693	21.344
rs74439139	ebi-a-GCST90027161	7	113757643	T/G	0.926	0.075	-0.006	0.022	0.786	20.962
rs13398843	ebi-a-GCST90027161	2	126169743	C/T	0.875	0.125	-0.006	0.015	0.682	43.685

rs7460106	ebi-a-GCST90027161	8	143534777	T/C	0.756	0.244	-0.007	0.012	0.579	20.510
rs2201220	ebi-a-GCST90027161	4	45847947	A/G	0.509	0.491	-0.007	0.010	0.486	21.788
rs890546	ebi-a-GCST90027161	18	35204858	C/T	0.350	0.350	-0.008	0.011	0.483	30.714
rs12500482	ebi-a-GCST90027161	4	2430235	A/G	0.490	0.490	-0.008	0.010	0.456	28.078
rs62506588	ebi-a-GCST90027161	8	66868672	C/T	0.970	0.030	-0.008	0.029	0.788	23.318
rs147383137	ebi-a-GCST90027161	5	86501280	G/A	0.977	0.024	-0.008	0.031	0.795	19.481
rs197438	ebi-a-GCST90027161	1	112280674	C/T	0.741	0.259	-0.009	0.012	0.439	26.801
rs2583949	ebi-a-GCST90027161	12	66194243	C/T	0.897	0.103	-0.009	0.017	0.595	23.786
rs2726036	ebi-a-GCST90027161	16	28347140	A/C	0.582	0.418	-0.009	0.010	0.384	60.943
rs74505338	ebi-a-GCST90027161	20	309361	G/A	0.975	0.025	-0.009	0.033	0.783	20.774
rs4140665	ebi-a-GCST90027161	16	15381715	A/G	0.246	0.246	-0.009	0.012	0.450	19.893
rs2280870	ebi-a-GCST90027161	8	65499192	T/G	0.700	0.300	-0.010	0.011	0.365	19.703
rs12816953	ebi-a-GCST90027161	12	97653869	G/A	0.802	0.198	-0.010	0.013	0.430	20.683
rs6512231	ebi-a-GCST90027161	19	17987454	T/C	0.728	0.272	-0.011	0.012	0.363	20.251
rs543714	ebi-a-GCST90027161	11	90057949	C/T	0.695	0.305	-0.011	0.011	0.335	26.455
rs35701235	ebi-a-GCST90027161	12	79182941	A/G	0.738	0.262	-0.011	0.012	0.347	24.267
rs17235301	ebi-a-GCST90027161	8	25768188	A/G	0.757	0.243	-0.011	0.013	0.390	24.449
rs191335045	ebi-a-GCST90027161	2	126925085	C/T	0.963	0.037	-0.011	0.021	0.603	20.505
rs4515295	ebi-a-GCST90027161	5	124210080	G/T	0.649	0.351	-0.011	0.011	0.288	24.825
rs10227949	ebi-a-GCST90027161	7	126325433	C/T	0.791	0.209	-0.011	0.013	0.378	23.297
rs2502076	ebi-a-GCST90027161	10	2989837	C/T	0.664	0.336	-0.012	0.011	0.279	20.383
rs4363925	ebi-a-GCST90027161	18	25534039	G/A	0.733	0.267	-0.012	0.012	0.299	23.242
rs6918725	ebi-a-GCST90027161	6	126990392	T/G	0.489	0.489	-0.012	0.010	0.238	29.664
rs7035953	ebi-a-GCST90027161	9	7787532	C/T	0.654	0.347	-0.012	0.011	0.275	21.389
rs68135515	ebi-a-GCST90027161	16	12180519	G/A	0.614	0.386	-0.012	0.011	0.241	23.554
rs11068503	ebi-a-GCST90027161	12	117902158	T/C	0.526	0.474	-0.013	0.010	0.218	21.194
rs17763343	ebi-a-GCST90027161	4	30459400	T/C	0.901	0.099	-0.013	0.018	0.453	27.421
rs7982003	ebi-a-GCST90027161	13	59647343	G/A	0.647	0.353	-0.014	0.011	0.188	22.832
rs72759210	ebi-a-GCST90027161	5	60346881	C/T	0.636	0.364	-0.014	0.011	0.179	43.063
rs79543341	ebi-a-GCST90027161	13	98091328	A/C	0.976	0.024	-0.015	0.038	0.692	20.859
rs329430	ebi-a-GCST90027161	4	66043456	C/T	0.149	0.149	-0.016	0.015	0.291	23.977
rs12461480	ebi-a-GCST90027161	19	3220857	C/T	0.931	0.069	-0.016	0.018	0.384	20.740
rs4252697	ebi-a-GCST90027161	1	204501383	C/T	0.795	0.205	-0.017	0.012	0.167	33.041
rs79192891	ebi-a-GCST90027161	3	102470556	T/C	0.968	0.032	-0.017	0.029	0.543	20.145
rs4525525	ebi-a-GCST90027161	17	1866892	G/T	0.742	0.258	-0.018	0.012	0.129	22.979
rs59214896	ebi-a-GCST90027161	1	7799738	A/G	0.792	0.208	-0.019	0.013	0.131	20.218
rs11833592	ebi-a-GCST90027161	12	32464772	C/T	0.762	0.239	-0.020	0.012	0.087	26.489
rs3796386	ebi-a-GCST90027161	3	49899795	G/A	0.611	0.389	-0.020	0.011	0.058	53.481
rs11960699	ebi-a-GCST90027161	5	57309750	C/A	0.409	0.409	-0.020	0.010	0.051	22.161
rs75432222	ebi-a-GCST90027161	7	35330776	T/G	0.970	0.030	-0.022	0.027	0.405	27.402
rs112972834	ebi-a-GCST90027161	8	4491114	T/C	0.891	0.109	-0.027	0.016	0.106	26.039
rs10469702	ebi-a-GCST90027161	2	170951738	A/G	0.265	0.265	-0.027	0.012	0.020	21.909
rs61810288	ebi-a-GCST90027161	1	114688789	T/G	0.976	0.024	-0.029	0.032	0.367	24.204
rs78509871	ebi-a-GCST90027161	10	34093726	G/A	0.895	0.105	-0.032	0.016	0.054	22.607
rs1061801	ebi-a-GCST90027161	6	33282338	G/A	0.827	0.173	-0.033	0.014	0.016	34.094
rs12553685	ebi-a-GCST90027161	9	102194272	G/A	0.933	0.067	-0.034	0.022	0.129	22.226
rs11614544	ebi-a-GCST90027161	12	112904955	A/G	0.868	0.132	-0.037	0.015	0.018	23.314

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rs9912348	ebi-a-GCST90027161	17	79959669	C/T	0.312	0.312	0.032	0.012	0.005	24.064
rs6722993	ebi-a-GCST90027161	2	12305163	G/T	0.868	0.132	0.028	0.015	0.063	20.699

rs9387668	ebi-a-GCST90027161	6	119962129	A/C	0.461	0.461	0.019	0.010	0.063	20.183
rs754421	ebi-a-GCST90027161	6	43233266	A/C	0.648	0.352	0.016	0.011	0.123	25.109
rs10772892	ebi-a-GCST90027161	12	16214612	T/G	0.289	0.289	0.016	0.011	0.164	19.688
rs113856734	ebi-a-GCST90027161	14	61602651	T/G	0.784	0.216	0.016	0.013	0.200	27.289
rs76052027	ebi-a-GCST90027161	7	106383042	T/C	0.973	0.027	0.015	0.036	0.668	21.170
rs1371487	ebi-a-GCST90027161	2	4938916	G/A	0.287	0.287	0.014	0.011	0.205	21.893
rs4872499	ebi-a-GCST90027161	8	22293306	C/T	0.770	0.230	0.013	0.012	0.275	20.532
rs55969935	ebi-a-GCST90027161	11	66646365	C/T	0.906	0.094	0.013	0.017	0.467	21.001
rs324015	ebi-a-GCST90027161	12	57490100	T/C	0.256	0.256	0.010	0.012	0.401	23.617
rs6736835	ebi-a-GCST90027161	2	12596529	C/A	0.946	0.054	0.009	0.026	0.718	22.040
rs80042753	ebi-a-GCST90027161	1	118299333	A/G	0.936	0.064	0.006	0.021	0.773	19.848
rs145736159	ebi-a-GCST90027161	6	158861039	G/T	0.959	0.041	0.006	0.024	0.821	21.124
rs6921468	ebi-a-GCST90027161	6	157408071	T/C	0.814	0.186	0.005	0.013	0.697	26.530
rs41499647	ebi-a-GCST90027161	3	50525154	C/T	0.799	0.201	0.005	0.013	0.721	22.216
rs115210294	ebi-a-GCST90027161	2	145781240	G/A	0.981	0.019	0.004	0.040	0.921	22.103
rs13107325	ebi-a-GCST90027161	4	103188709	C/T	0.951	0.049	0.002	0.029	0.934	72.547
rs28472599	ebi-a-GCST90027161	5	66514625	A/G	0.962	0.038	0.002	0.028	0.938	21.962
rs118108214	ebi-a-GCST90027161	12	51772777	C/T	0.986	0.015	0.002	0.046	0.971	21.876
rs1186821	ebi-a-GCST90027161	16	54597908	C/T	0.730	0.270	0.001	0.012	0.935	25.093
rs11730370	ebi-a-GCST90027161	4	76302810	T/G	0.961	0.039	0.001	0.026	0.972	21.960
rs34865100	ebi-a-GCST90027161	6	87724286	A/G	0.883	0.117	-0.001	0.017	0.959	22.060
rs10953717	ebi-a-GCST90027161	7	112316324	C/A	0.853	0.147	-0.001	0.015	0.943	20.253
rs73492933	ebi-a-GCST90027161	18	53044948	G/A	0.967	0.033	-0.002	0.030	0.941	25.749
rs62196415	ebi-a-GCST90027161	2	184819513	G/A	0.893	0.107	-0.005	0.017	0.759	21.052
rs2976589	ebi-a-GCST90027161	8	134334904	T/C	0.264	0.264	-0.006	0.012	0.641	19.964
rs2303933	ebi-a-GCST90027161	7	150766799	A/G	0.387	0.387	-0.012	0.011	0.276	21.868
rs3129152	ebi-a-GCST90027161	6	29138777	A/C	0.795	0.205	-0.016	0.013	0.242	20.995
rs11709121	ebi-a-GCST90027161	3	142371574	A/C	0.892	0.108	-0.018	0.017	0.303	21.383
rs13168133	ebi-a-GCST90027161	5	103641961	C/T	0.926	0.075	-0.020	0.018	0.284	24.828
rs2425052	ebi-a-GCST90027161	20	33880729	A/C	0.542	0.459	-0.023	0.010	0.025	25.663
rs17458575	ebi-a-GCST90027161	15	76590337	T/C	0.990	0.010	-0.110	0.071	0.120	23.171

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rs113993820	ebi-a-GCST90027161	2	102766634	G/T	0.980	0.020	0.072	0.034	0.036	29.747
rs59845009	ebi-a-GCST90027161	17	5739619	G/T	0.961	0.039	0.057	0.024	0.019	19.356
rs12476427	ebi-a-GCST90027161	2	39146971	A/G	0.965	0.035	0.045	0.031	0.146	27.227
rs12023573	ebi-a-GCST90027161	1	36169558	C/T	0.905	0.095	0.040	0.017	0.015	21.674
rs3860537	ebi-a-GCST90027161	3	108103433	T/C	0.224	0.224	0.040	0.013	0.001	23.200
rs73986923	ebi-a-GCST90027161	17	47574283	A/C	0.988	0.012	0.032	0.071	0.654	21.296
rs6265	ebi-a-GCST90027161	11	27679916	C/T	0.828	0.172	0.028	0.014	0.046	33.187
rs4655848	ebi-a-GCST90027161	1	87919920	C/T	0.613	0.387	0.022	0.011	0.037	22.309
rs1897495	ebi-a-GCST90027161	3	107570753	C/T	0.560	0.440	0.020	0.010	0.047	28.071
rs2885209	ebi-a-GCST90027161	1	214467872	G/A	0.824	0.176	0.018	0.013	0.157	20.318
rs12824441	ebi-a-GCST90027161	12	82044212	A/G	0.796	0.204	0.018	0.013	0.160	22.384
rs35233560	ebi-a-GCST90027161	5	164763450	A/G	0.741	0.259	0.018	0.012	0.131	24.414
rs12484310	ebi-a-GCST90027161	22	42777414	G/A	0.679	0.322	0.016	0.011	0.146	26.335
rs79225503	ebi-a-GCST90027161	8	78340469	G/A	0.901	0.099	0.016	0.017	0.346	23.133
rs142935339	ebi-a-GCST90027161	4	106029850	G/A	0.960	0.040	0.015	0.025	0.541	24.590
rs8130225	ebi-a-GCST90027161	21	15707070	C/A	0.799	0.201	0.015	0.013	0.239	24.378
rs2252508	ebi-a-GCST90027161	1	153913770	A/G	0.503	0.497	0.015	0.010	0.147	41.824
rs7820014	ebi-a-GCST90027161	8	33602351	T/C	0.911	0.089	0.014	0.018	0.431	26.656

rs7626634	ebi-a-GCST90027161	3	33321616	T/C	0.882	0.118	0.014	0.016	0.372	20.760
rs2917705	ebi-a-GCST90027161	16	64339094	G/A	0.867	0.133	0.014	0.015	0.355	22.666
rs11924675	ebi-a-GCST90027161	3	74768098	G/T	0.474	0.474	0.012	0.010	0.234	28.714
rs2756175	ebi-a-GCST90027161	6	43258237	T/C	0.661	0.339	0.012	0.011	0.270	24.150
rs10733482	ebi-a-GCST90027161	9	36744850	T/C	0.316	0.316	0.012	0.011	0.291	23.168
rs35737633	ebi-a-GCST90027161	17	70665196	C/A	0.747	0.253	0.012	0.011	0.298	20.485
rs8118663	ebi-a-GCST90027161	20	31398876	A/G	0.775	0.226	0.012	0.012	0.342	19.642
rs10129582	ebi-a-GCST90027161	14	99704427	A/G	0.583	0.417	0.011	0.010	0.289	29.768
rs10161952	ebi-a-GCST90027161	13	59474383	A/C	0.679	0.321	0.011	0.011	0.318	31.832
rs13288097	ebi-a-GCST90027161	9	83156777	T/C	0.865	0.135	0.011	0.015	0.476	21.460
rs11016841	ebi-a-GCST90027161	10	129026189	A/G	0.841	0.159	0.011	0.014	0.435	28.991
rs17653477	ebi-a-GCST90027161	3	71170319	A/G	0.966	0.034	0.010	0.026	0.697	30.002
rs6975898	ebi-a-GCST90027161	7	4540687	T/G	0.367	0.367	0.009	0.011	0.421	30.449
rs6532382	ebi-a-GCST90027161	4	93786775	G/A	0.700	0.300	0.009	0.011	0.443	23.845
rs2961658	ebi-a-GCST90027161	5	166566580	G/A	0.649	0.351	0.008	0.011	0.438	23.099
rs2517996	ebi-a-GCST90027161	11	131878375	G/A	0.653	0.347	0.008	0.011	0.485	21.196
rs2102738	ebi-a-GCST90027161	2	172525884	A/C	0.827	0.173	0.007	0.014	0.601	35.447
rs12136224	ebi-a-GCST90027161	1	16594034	G/A	0.641	0.359	0.007	0.011	0.510	24.611
rs55686626	ebi-a-GCST90027161	3	177345126	G/A	0.620	0.380	0.007	0.011	0.512	22.342
rs1714460	ebi-a-GCST90027161	9	109857771	C/T	0.413	0.413	0.007	0.010	0.509	19.663
rs3124426	ebi-a-GCST90027161	13	55937346	C/T	0.218	0.218	0.007	0.012	0.595	24.719
rs1390143	ebi-a-GCST90027161	9	78956690	C/A	0.695	0.305	0.006	0.011	0.552	22.002
rs2132968	ebi-a-GCST90027161	4	28306258	A/G	0.416	0.416	0.006	0.010	0.553	23.246
rs2267958	ebi-a-GCST90027161	9	131015279	G/A	0.501	0.499	0.006	0.010	0.596	26.194
rs324890	ebi-a-GCST90027161	5	87909843	A/C	0.552	0.448	0.005	0.010	0.648	22.403
rs56187290	ebi-a-GCST90027161	7	5628373	T/G	0.941	0.059	0.004	0.020	0.827	23.659
rs10771053	ebi-a-GCST90027161	12	24157577	A/G	0.491	0.491	0.004	0.010	0.683	22.300
rs35423813	ebi-a-GCST90027161	15	57767171	G/T	0.859	0.141	0.003	0.016	0.850	21.597
rs4946109	ebi-a-GCST90027161	6	115973931	C/T	0.270	0.270	0.002	0.012	0.870	27.205
rs345778	ebi-a-GCST90027161	15	33397146	T/C	0.881	0.119	0.002	0.016	0.923	21.656
rs10451384	ebi-a-GCST90027161	18	40829886	G/A	0.543	0.457	0.001	0.010	0.888	24.541
rs10737770	ebi-a-GCST90027161	1	245348263	T/C	0.108	0.108	0.001	0.017	0.938	22.887
rs1534749	ebi-a-GCST90027161	1	190028576	T/C	0.466	0.466	0.001	0.010	0.899	29.586
rs29938	ebi-a-GCST90027161	19	34311481	T/C	0.359	0.359	0.001	0.011	0.920	21.975
rs12117018	ebi-a-GCST90027161	1	192143376	T/G	0.534	0.467	0.001	0.010	0.937	20.613
rs827102	ebi-a-GCST90027161	3	157940116	A/G	0.500	0.500	0.001	0.010	0.940	25.434
rs33947258	ebi-a-GCST90027161	5	141194870	C/A	0.755	0.245	0.001	0.012	0.951	31.764
rs7157352	ebi-a-GCST90027161	14	46301823	G/A	0.501	0.499	0.001	0.010	0.943	23.279
rs10020708	ebi-a-GCST90027161	4	178097496	C/A	0.511	0.489	0.000	0.010	0.976	31.956
rs13022216	ebi-a-GCST90027161	2	8714879	G/A	0.493	0.493	0.000	0.010	0.975	19.505
rs7971266	ebi-a-GCST90027161	12	34359040	C/T	0.170	0.170	0.000	0.013	0.988	22.363
rs149146313	ebi-a-GCST90027161	11	32330390	G/T	0.992	0.008	0.000	0.068	0.996	20.269
rs7803655	ebi-a-GCST90027161	7	21400762	G/A	0.555	0.445	-0.001	0.010	0.927	21.035
rs75247649	ebi-a-GCST90027161	19	6738179	G/A	0.915	0.085	-0.002	0.021	0.933	28.763
rs565044	ebi-a-GCST90027161	11	84827489	C/A	0.637	0.363	-0.002	0.011	0.820	30.771
rs77437860	ebi-a-GCST90027161	8	145556511	G/A	0.664	0.336	-0.003	0.011	0.816	19.479
rs3792252	ebi-a-GCST90027161	2	27995931	G/A	0.282	0.282	-0.003	0.011	0.798	21.649
rs6606711	ebi-a-GCST90027161	12	109849297	A/G	0.685	0.315	-0.003	0.011	0.800	25.511
rs10156602	ebi-a-GCST90027161	9	96345328	A/G	0.614	0.386	-0.003	0.010	0.772	41.990
rs2527776	ebi-a-GCST90027161	1	44345292	G/A	0.265	0.265	-0.003	0.012	0.794	22.583

rs6043557	ebi-a-GCST90027161	20	15804432	C/T	0.694	0.307	-0.003	0.011	0.767	23.052
rs11075255	ebi-a-GCST90027161	16	15166232	A/G	0.410	0.410	-0.004	0.010	0.730	20.715
rs1982350	ebi-a-GCST90027161	11	13350131	A/G	0.405	0.405	-0.004	0.010	0.707	50.214
rs838133	ebi-a-GCST90027161	19	49259529	A/G	0.409	0.409	-0.004	0.011	0.683	67.602
rs9406220	ebi-a-GCST90027161	6	8904337	C/A	0.143	0.143	-0.005	0.014	0.721	20.217
rs2224510	ebi-a-GCST90027161	14	85871221	G/A	0.532	0.468	-0.005	0.010	0.616	27.209
rs4851029	ebi-a-GCST90027161	2	104159785	T/G	0.486	0.486	-0.005	0.010	0.604	39.875
rs2219006	ebi-a-GCST90027161	2	207877666	T/C	0.663	0.337	-0.006	0.011	0.584	21.390
rs12190945	ebi-a-GCST90027161	6	84162042	A/G	0.724	0.276	-0.006	0.012	0.611	31.605
rs8035517	ebi-a-GCST90027161	15	29778629	G/T	0.608	0.392	-0.006	0.010	0.556	21.135
rs12629972	ebi-a-GCST90027161	3	25121444	T/C	0.388	0.388	-0.006	0.011	0.545	50.479
rs17714824	ebi-a-GCST90027161	5	158254070	G/T	0.826	0.174	-0.007	0.013	0.615	30.200
rs13068236	ebi-a-GCST90027161	3	152035367	T/C	0.319	0.319	-0.007	0.011	0.525	23.953
rs897362	ebi-a-GCST90027161	11	11773641	T/C	0.446	0.446	-0.008	0.010	0.446	22.717
rs78389074	ebi-a-GCST90027161	12	131355412	G/A	0.868	0.132	-0.008	0.015	0.597	19.652
rs28420942	ebi-a-GCST90027161	15	48009488	G/A	0.729	0.271	-0.008	0.011	0.447	25.823
rs321274	ebi-a-GCST90027161	1	96454468	C/T	0.928	0.072	-0.009	0.020	0.662	21.509
rs114103105	ebi-a-GCST90027161	1	74454498	A/G	0.979	0.021	-0.009	0.038	0.812	21.200
rs57383707	ebi-a-GCST90027161	18	1811604	C/T	0.864	0.136	-0.011	0.014	0.458	27.783
rs62341787	ebi-a-GCST90027161	4	189772717	C/T	0.889	0.111	-0.011	0.016	0.486	24.246
rs1009382	ebi-a-GCST90027161	6	32026107	C/T	0.308	0.308	-0.012	0.011	0.304	45.630
rs2052063	ebi-a-GCST90027161	10	118040352	C/T	0.469	0.469	-0.012	0.010	0.248	28.711
rs12699452	ebi-a-GCST90027161	7	13186388	C/A	0.452	0.452	-0.012	0.015	0.407	21.136
rs78873660	ebi-a-GCST90027161	2	79691846	T/C	0.669	0.331	-0.012	0.011	0.248	43.371
rs1421085	ebi-a-GCST90027161	16	53800954	T/C	0.584	0.416	-0.012	0.010	0.223	30.019
rs7722373	ebi-a-GCST90027161	5	60247815	G/A	0.540	0.460	-0.015	0.010	0.153	20.173
rs335369	ebi-a-GCST90027161	6	155635993	T/C	0.328	0.328	-0.015	0.011	0.182	23.855
rs8022988	ebi-a-GCST90027161	14	80333564	T/C	0.176	0.176	-0.017	0.014	0.206	26.483
rs1986972	ebi-a-GCST90027161	8	10268805	G/A	0.653	0.347	-0.018	0.011	0.098	54.672
rs12596243	ebi-a-GCST90027161	16	82436233	G/A	0.344	0.344	-0.019	0.011	0.083	25.874
rs116469288	ebi-a-GCST90027161	2	98746768	C/T	0.963	0.037	-0.022	0.028	0.440	21.590
rs2899164	ebi-a-GCST90027161	22	31790289	G/A	0.682	0.319	-0.022	0.011	0.040	19.301
rs74838209	ebi-a-GCST90027161	4	68407358	T/C	0.993	0.007	-0.022	0.083	0.790	21.572
rs2770047	ebi-a-GCST90027161	13	42114275	G/A	0.849	0.151	-0.023	0.014	0.095	21.434
rs7984840	ebi-a-GCST90027161	13	90719301	G/T	0.771	0.229	-0.026	0.012	0.032	21.793
rs10503077	ebi-a-GCST90027161	18	60796445	C/T	0.947	0.053	-0.026	0.024	0.273	20.728
rs7280	ebi-a-GCST90027161	20	33864484	A/G	0.569	0.431	-0.027	0.010	0.009	25.337
rs10828455	ebi-a-GCST90027161	10	23713015	A/C	0.756	0.244	-0.028	0.012	0.020	21.844
rs113126558	ebi-a-GCST90027161	9	91990358	T/C	0.969	0.031	-0.035	0.029	0.234	20.805
rs11244515	ebi-a-GCST90027161	10	127171407	C/T	0.942	0.059	-0.054	0.025	0.030	19.939
rs147851019	ebi-a-GCST90027161	12	101103991	T/C	0.984	0.016	-0.063	0.045	0.160	23.684
rs7251447	ebi-a-GCST90027161	19	19637930	A/G	0.026	0.026	-0.093	0.038	0.014	26.526

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rs79896089	ebi-a-GCST90027161	7	144624827	A/C	0.977	0.023	0.086	0.037	0.020	21.275
rs118179458	ebi-a-GCST90027161	7	132829585	C/T	0.980	0.020	0.039	0.039	0.315	23.994
rs4352065	ebi-a-GCST90027161	16	7658910	C/T	0.700	0.300	0.035	0.011	0.002	24.209
rs879552	ebi-a-GCST90027161	14	104010198	G/A	0.633	0.367	0.031	0.011	0.003	23.594
rs143488783	ebi-a-GCST90027161	4	99765701	A/G	0.963	0.037	0.028	0.031	0.371	21.456
rs113539727	ebi-a-GCST90027161	4	114801027	T/G	0.925	0.075	0.028	0.020	0.161	22.377
rs114328297	ebi-a-GCST90027161	1	91190854	T/G	0.800	0.200	0.027	0.013	0.042	31.542

rs4877397	ebi-a-GCST90027161	9	80702276	G/A	0.256	0.256	0.025	0.012	0.030	24.581
rs150009894	ebi-a-GCST90027161	19	12980530	G/T	0.951	0.049	0.024	0.023	0.286	20.847
rs67518212	ebi-a-GCST90027161	14	20648951	T/C	0.797	0.203	0.023	0.013	0.072	24.586
rs305446	ebi-a-GCST90027161	1	88203562	G/T	0.626	0.374	0.023	0.011	0.030	21.300
rs2275998	ebi-a-GCST90027161	11	66326581	T/C	0.810	0.190	0.022	0.013	0.095	49.727
rs62502864	ebi-a-GCST90027161	8	36455790	G/A	0.936	0.064	0.021	0.021	0.337	20.640
rs9941388	ebi-a-GCST90027161	17	10895203	A/G	0.437	0.437	0.020	0.011	0.070	20.304
rs2512569	ebi-a-GCST90027161	11	115725072	C/T	0.469	0.469	0.019	0.010	0.058	23.453
rs116385168	ebi-a-GCST90027161	3	115037579	T/C	0.950	0.050	0.019	0.024	0.419	20.125
rs11787024	ebi-a-GCST90027161	8	144239099	T/C	0.699	0.301	0.019	0.011	0.103	40.469
rs4688905	ebi-a-GCST90027161	3	18158662	G/A	0.473	0.473	0.018	0.010	0.076	22.766
rs13071694	ebi-a-GCST90027161	3	177492986	G/A	0.695	0.305	0.018	0.011	0.099	22.594
rs1381247	ebi-a-GCST90027161	17	2302387	T/C	0.614	0.387	0.018	0.010	0.085	33.720
rs10026792	ebi-a-GCST90027161	4	2862190	G/A	0.680	0.320	0.017	0.011	0.109	25.398
rs982671	ebi-a-GCST90027161	16	64365361	G/A	0.775	0.225	0.017	0.013	0.182	29.854
rs1254989	ebi-a-GCST90027161	11	95508121	A/G	0.547	0.453	0.016	0.010	0.109	31.764
rs7736190	ebi-a-GCST90027161	5	111049765	G/A	0.898	0.102	0.014	0.018	0.411	21.458
rs56305291	ebi-a-GCST90027161	7	2048706	A/G	0.772	0.228	0.014	0.012	0.220	44.072
rs2502808	ebi-a-GCST90027161	1	161218490	C/T	0.371	0.371	0.013	0.010	0.202	26.771
rs74178437	ebi-a-GCST90027161	19	4056860	G/A	0.281	0.281	0.012	0.012	0.303	20.732
rs28654266	ebi-a-GCST90027161	1	153942593	C/T	0.966	0.034	0.012	0.027	0.665	19.806
rs3170905	ebi-a-GCST90027161	1	181029082	G/A	0.644	0.356	0.011	0.011	0.279	19.479
rs16850936	ebi-a-GCST90027161	3	104892984	A/G	0.742	0.258	0.010	0.011	0.370	21.526
rs9860336	ebi-a-GCST90027161	3	188879596	C/T	0.728	0.272	0.010	0.011	0.367	22.740
rs1400075	ebi-a-GCST90027161	2	188809802	C/T	0.196	0.196	0.010	0.013	0.428	30.254
rs17043991	ebi-a-GCST90027161	2	115836125	C/T	0.877	0.123	0.010	0.015	0.505	20.661
rs66796699	ebi-a-GCST90027161	4	59821159	C/T	0.725	0.275	0.010	0.011	0.399	21.879
rs1860420	ebi-a-GCST90027161	12	5156275	A/G	0.437	0.437	0.009	0.010	0.380	25.197
rs35260863	ebi-a-GCST90027161	14	22043949	T/C	0.898	0.102	0.009	0.017	0.605	74.563
rs7119021	ebi-a-GCST90027161	11	44868967	G/A	0.983	0.018	0.008	0.045	0.857	24.467
rs1582322	ebi-a-GCST90027161	16	52105988	A/G	0.360	0.360	0.008	0.011	0.453	26.236
rs4841893	ebi-a-GCST90027161	9	138559984	C/T	0.075	0.075	0.008	0.023	0.722	21.359
rs6894542	ebi-a-GCST90027161	5	25031773	T/C	0.458	0.458	0.007	0.010	0.488	20.396
rs2199950	ebi-a-GCST90027161	1	238352682	G/A	0.682	0.318	0.007	0.011	0.558	20.697
rs62573075	ebi-a-GCST90027161	9	15648148	A/G	0.799	0.201	0.006	0.013	0.631	23.582
rs10746605	ebi-a-GCST90027161	9	82484037	T/C	0.327	0.327	0.006	0.011	0.585	26.333
rs62023502	ebi-a-GCST90027161	15	53107255	G/A	0.909	0.091	0.006	0.017	0.742	21.487
rs12345045	ebi-a-GCST90027161	9	121534729	C/T	0.578	0.422	0.006	0.010	0.589	21.293
rs1221160	ebi-a-GCST90027161	2	82005459	A/G	0.455	0.455	0.005	0.010	0.650	22.448
rs17184707	ebi-a-GCST90027161	2	166183577	C/T	0.787	0.213	0.004	0.013	0.755	24.924
rs2548281	ebi-a-GCST90027161	8	86310776	A/G	0.346	0.346	0.004	0.011	0.732	21.962
rs10128597	ebi-a-GCST90027161	11	8694830	G/A	0.727	0.273	0.004	0.011	0.756	20.585
rs7599488	ebi-a-GCST90027161	2	60718347	C/T	0.551	0.449	0.003	0.010	0.745	28.509
rs7143956	ebi-a-GCST90027161	14	38022603	G/A	0.391	0.391	0.003	0.011	0.776	22.818
rs1623060	ebi-a-GCST90027161	18	21143183	C/T	0.498	0.498	0.003	0.010	0.773	41.219
rs2174602	ebi-a-GCST90027161	1	71799403	A/G	0.622	0.378	0.003	0.010	0.789	33.135
rs12726459	ebi-a-GCST90027161	1	44590391	C/T	0.856	0.144	0.003	0.015	0.860	20.673
rs6126114	ebi-a-GCST90027161	20	49498374	T/C	0.701	0.299	0.002	0.011	0.841	21.699
rs9385269	ebi-a-GCST90027161	6	98547979	C/T	0.484	0.484	0.002	0.010	0.826	45.020
rs10129747	ebi-a-GCST90027161	14	77433198	A/G	0.512	0.488	0.002	0.010	0.860	28.051

rs74611672	ebi-a-GCST90027161	18	23200504	T/C	0.954	0.046	0.002	0.024	0.941	20.745
rs261807	ebi-a-GCST90027161	1	241055830	C/T	0.488	0.488	0.002	0.010	0.870	23.554
rs6765212	ebi-a-GCST90027161	3	43931484	C/T	0.720	0.280	0.002	0.011	0.879	35.135
rs10741616	ebi-a-GCST90027161	11	13333851	G/A	0.580	0.420	0.001	0.010	0.889	26.650
rs4866437	ebi-a-GCST90027161	5	3226096	G/A	0.497	0.497	0.001	0.010	0.931	23.282
rs11620849	ebi-a-GCST90027161	14	71759941	G/T	0.788	0.212	0.001	0.016	0.975	26.367
rs72789113	ebi-a-GCST90027161	2	40060225	G/A	0.522	0.478	0.001	0.010	0.962	20.649
rs11119685	ebi-a-GCST90027161	1	211318920	G/A	0.590	0.410	0.000	0.010	0.974	19.713
rs12691058	ebi-a-GCST90027161	16	7232876	T/C	0.613	0.387	-0.001	0.011	0.965	22.203
rs117871274	ebi-a-GCST90027161	12	95100449	G/A	0.978	0.022	-0.001	0.037	0.983	29.885
rs281287	ebi-a-GCST90027161	15	47681552	A/G	0.667	0.333	-0.001	0.011	0.929	31.035
rs136516	ebi-a-GCST90027161	22	27242642	A/G	0.553	0.447	-0.001	0.010	0.910	23.938
rs12462942	ebi-a-GCST90027161	19	30110805	T/C	0.466	0.466	-0.003	0.010	0.766	19.424
rs115141576	ebi-a-GCST90027161	4	37346857	C/T	0.981	0.019	-0.005	0.040	0.912	20.906
rs4740634	ebi-a-GCST90027161	9	1666496	A/G	0.627	0.373	-0.005	0.010	0.604	22.459
rs10273026	ebi-a-GCST90027161	7	44314442	A/G	0.625	0.375	-0.006	0.010	0.579	23.520
rs60574043	ebi-a-GCST90027161	3	89095401	C/T	0.893	0.108	-0.006	0.017	0.708	24.855
rs6903953	ebi-a-GCST90027161	6	37522668	G/A	0.506	0.494	-0.006	0.010	0.545	21.187
rs117451379	ebi-a-GCST90027161	7	102389213	C/T	0.935	0.065	-0.007	0.021	0.754	21.333
rs10435694	ebi-a-GCST90027161	8	143630963	C/T	0.752	0.249	-0.007	0.012	0.557	24.593
rs6712271	ebi-a-GCST90027161	2	207918695	G/A	0.592	0.408	-0.007	0.010	0.480	28.770
rs7378687	ebi-a-GCST90027161	5	167312196	T/C	0.716	0.284	-0.008	0.011	0.488	20.610
rs4822541	ebi-a-GCST90027161	22	25171553	C/A	0.793	0.207	-0.008	0.013	0.527	19.970
rs1585577	ebi-a-GCST90027161	2	184156223	G/A	0.449	0.449	-0.008	0.010	0.423	20.812
rs9508711	ebi-a-GCST90027161	13	30912750	G/A	0.553	0.448	-0.008	0.010	0.418	28.791
rs552512	ebi-a-GCST90027161	11	32615001	A/G	0.311	0.311	-0.009	0.011	0.446	24.268
rs4355095	ebi-a-GCST90027161	2	225466385	C/T	0.621	0.379	-0.009	0.010	0.385	22.594
rs6545772	ebi-a-GCST90027161	2	60225873	C/T	0.478	0.478	-0.009	0.010	0.368	25.021
rs7494500	ebi-a-GCST90027161	14	62445270	G/T	0.552	0.448	-0.010	0.010	0.348	25.785
rs112887546	ebi-a-GCST90027161	6	84113685	C/A	0.814	0.187	-0.011	0.013	0.425	22.274
rs2254382	ebi-a-GCST90027161	20	37379726	A/C	0.602	0.398	-0.011	0.010	0.302	22.709
rs144442545	ebi-a-GCST90027161	17	80143230	A/G	0.978	0.023	-0.011	0.038	0.772	20.298
rs2676619	ebi-a-GCST90027161	9	115343780	G/A	0.768	0.232	-0.011	0.012	0.371	24.013
rs10132879	ebi-a-GCST90027161	14	98714018	G/T	0.764	0.236	-0.011	0.015	0.475	22.091
rs4149513	ebi-a-GCST90027161	2	101022726	G/A	0.586	0.414	-0.011	0.014	0.431	31.630
rs4532156	ebi-a-GCST90027161	3	18783476	T/C	0.299	0.299	-0.011	0.011	0.316	37.462
rs13212936	ebi-a-GCST90027161	6	25588815	C/T	0.914	0.087	-0.012	0.020	0.548	30.558
rs12046747	ebi-a-GCST90027161	1	204593696	G/A	0.772	0.228	-0.014	0.012	0.240	29.656
rs626624	ebi-a-GCST90027161	1	96881055	A/G	0.579	0.421	-0.014	0.010	0.179	22.388
rs10965872	ebi-a-GCST90027161	9	23481544	C/T	0.976	0.024	-0.018	0.035	0.615	20.574
rs815472	ebi-a-GCST90027161	3	55698042	G/A	0.047	0.047	-0.019	0.027	0.472	19.601
rs73194783	ebi-a-GCST90027161	21	18511112	G/A	0.984	0.016	-0.020	0.065	0.755	20.867
rs17184650	ebi-a-GCST90027161	14	67939796	C/T	0.893	0.107	-0.024	0.017	0.166	23.553
rs3820577	ebi-a-GCST90027161	1	57531865	G/A	0.810	0.190	-0.024	0.013	0.054	25.222
rs78371842	ebi-a-GCST90027161	6	88353016	C/T	0.956	0.044	-0.026	0.025	0.288	22.728
rs28703977	ebi-a-GCST90027161	6	31472792	T/C	0.354	0.354	-0.030	0.011	0.006	44.373
rs12172847	ebi-a-GCST90027161	18	60223017	G/A	0.684	0.316	-0.030	0.011	0.005	34.116
rs326855	ebi-a-GCST90027161	4	112759436	T/C	0.338	0.338	-0.032	0.011	0.003	22.074
rs862227	ebi-a-GCST90027161	16	73602926	A/G	0.544	0.456	-0.033	0.010	0.001	23.674
rs78643707	ebi-a-GCST90027161	1	219483359	G/A	0.972	0.028	-0.033	0.037	0.365	22.010

rs59853505	ebi-a-GCST90027161	15	64936486	A/G	0.980	0.020	-0.035	0.038	0.359	19.862
rs4963390	ebi-a-GCST90027161	11	61514821	A/G	0.848	0.152	-0.041	0.014	0.003	27.421
rs78051435	ebi-a-GCST90027161	4	171015080	A/G	0.971	0.029	-0.054	0.036	0.135	19.278
rs76750172	ebi-a-GCST90027161	13	28395297	C/T	0.973	0.027	-0.063	0.032	0.049	20.490
Linkage disequilibrium										
rs2889	ebi-a-GCST90027161	8	22875909	A/G	0.719	0.281	0.044	0.015	0.003	22.031
rs13100870	ebi-a-GCST90027161	3	88099788	A/C	0.157	0.157	0.033	0.015	0.021	26.447
rs2952898	ebi-a-GCST90027161	4	130744953	G/A	0.301	0.301	0.029	0.011	0.009	21.157
rs2496003	ebi-a-GCST90027161	10	106576956	G/T	0.215	0.215	0.027	0.013	0.033	22.848
rs10853864	ebi-a-GCST90027161	19	54180226	G/A	0.853	0.147	0.022	0.014	0.131	27.467
rs4410790	ebi-a-GCST90027161	7	17284577	T/C	0.351	0.351	0.020	0.011	0.062	62.090
rs72572764	ebi-a-GCST90027161	6	168580795	G/A	0.912	0.088	0.020	0.020	0.318	19.828
rs34388803	ebi-a-GCST90027161	9	134273128	A/G	0.937	0.063	0.019	0.020	0.355	19.830
rs17817357	ebi-a-GCST90027161	8	104950095	A/C	0.531	0.469	0.018	0.010	0.077	19.518
rs3801289	ebi-a-GCST90027161	7	96638267	A/C	0.620	0.380	0.018	0.010	0.084	27.297
rs79894762	ebi-a-GCST90027161	1	210218475	C/A	0.972	0.028	0.017	0.033	0.596	25.513
rs6581514	ebi-a-GCST90027161	12	40504962	G/A	0.471	0.471	0.017	0.010	0.095	33.083
rs4680589	ebi-a-GCST90027161	3	160198688	G/A	0.500	0.500	0.017	0.010	0.104	23.350
rs4801150	ebi-a-GCST90027161	18	53065110	C/T	0.757	0.243	0.016	0.012	0.182	22.862
rs9544059	ebi-a-GCST90027161	13	76447198	C/T	0.860	0.140	0.015	0.015	0.302	25.611
rs113570797	ebi-a-GCST90027161	3	2719442	G/T	0.967	0.033	0.014	0.028	0.611	21.035
rs2905798	ebi-a-GCST90027161	17	29536990	A/G	0.658	0.342	0.014	0.011	0.207	20.183
rs3813024	ebi-a-GCST90027161	17	77766939	G/A	0.812	0.188	0.014	0.014	0.317	21.719
rs11691352	ebi-a-GCST90027161	2	59949495	G/A	0.658	0.342	0.013	0.011	0.236	27.487
rs72837284	ebi-a-GCST90027161	10	120347909	C/T	0.833	0.167	0.013	0.014	0.375	26.316
rs12555069	ebi-a-GCST90027161	9	22785954	A/G	0.670	0.330	0.012	0.011	0.250	27.590
rs10264715	ebi-a-GCST90027161	7	44555406	G/A	0.750	0.250	0.012	0.012	0.305	20.831
rs1430204	ebi-a-GCST90027161	5	87678632	T/C	0.803	0.198	0.011	0.013	0.380	51.840
rs888405	ebi-a-GCST90027161	3	64201702	A/G	0.190	0.190	0.011	0.013	0.405	20.799
rs4537651	ebi-a-GCST90027161	1	212048060	G/A	0.460	0.460	0.011	0.010	0.289	30.190
rs1785884	ebi-a-GCST90027161	11	104927080	G/A	0.705	0.295	0.011	0.011	0.352	19.113
rs12053495	ebi-a-GCST90027161	2	104697878	T/C	0.687	0.313	0.010	0.011	0.375	23.242
rs34521235	ebi-a-GCST90027161	6	70108267	T/C	0.820	0.180	0.010	0.014	0.478	30.992
rs73013971	ebi-a-GCST90027161	11	122071924	G/A	0.700	0.300	0.010	0.011	0.389	21.755
rs2255688	ebi-a-GCST90027161	21	48024287	G/A	0.643	0.357	0.009	0.011	0.384	26.169
rs34325799	ebi-a-GCST90027161	4	79592279	C/T	0.286	0.286	0.009	0.011	0.446	23.624
rs10908314	ebi-a-GCST90027161	1	37113267	G/A	0.632	0.368	0.009	0.011	0.416	20.850
rs2388248	ebi-a-GCST90027161	13	30465814	C/T	0.443	0.443	0.009	0.010	0.402	23.049
rs1553462	ebi-a-GCST90027161	4	18196244	C/T	0.301	0.301	0.008	0.011	0.444	20.736
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	37.010
rs2574753	ebi-a-GCST90027161	14	79885056	A/G	0.288	0.288	0.008	0.011	0.476	20.612
rs151838	ebi-a-GCST90027161	5	55794565	C/T	0.863	0.137	0.008	0.014	0.588	20.273
rs114682652	ebi-a-GCST90027161	1	38824763	G/T	0.652	0.348	0.007	0.011	0.485	19.218
rs10183435	ebi-a-GCST90027161	2	168948211	A/G	0.492	0.492	0.007	0.010	0.482	27.099
rs4590778	ebi-a-GCST90027161	10	93372012	A/G	0.730	0.270	0.007	0.012	0.545	21.599
rs34292254	ebi-a-GCST90027161	2	157050759	G/T	0.447	0.447	0.007	0.010	0.507	29.798
rs11570094	ebi-a-GCST90027161	11	47359706	C/A	0.716	0.284	0.006	0.011	0.580	28.983
rs2219002	ebi-a-GCST90027161	8	113509584	C/A	0.784	0.216	0.006	0.013	0.645	21.803
rs6925748	ebi-a-GCST90027161	6	50930041	A/G	0.573	0.427	0.006	0.010	0.574	21.146
rs6871231	ebi-a-GCST90027161	5	107142931	C/T	0.417	0.417	0.005	0.010	0.635	34.843

rs4529888	ebi-a-GCST90027161	11	127081591	G/A	0.382	0.382	0.005	0.011	0.655	32.489
rs10829603	ebi-a-GCST90027161	10	131327351	T/G	0.556	0.444	0.005	0.010	0.655	46.867
rs6695785	ebi-a-GCST90027161	1	243535260	T/C	0.476	0.476	0.005	0.010	0.649	57.354
rs115172853	ebi-a-GCST90027161	16	1256839	T/C	0.839	0.161	0.004	0.015	0.766	23.261
rs10767895	ebi-a-GCST90027161	11	31308701	G/A	0.792	0.208	0.004	0.013	0.760	23.322
rs62076099	ebi-a-GCST90027161	17	45874368	A/G	0.574	0.426	0.004	0.011	0.726	20.313
rs12418887	ebi-a-GCST90027161	11	16264711	A/G	0.859	0.141	0.004	0.016	0.820	51.018
rs34981078	ebi-a-GCST90027161	3	117510714	T/C	0.653	0.347	0.003	0.011	0.761	24.688
rs3754855	ebi-a-GCST90027161	2	119608582	A/G	0.628	0.372	0.003	0.011	0.764	21.433
rs12134281	ebi-a-GCST90027161	1	184528579	G/A	0.407	0.407	0.003	0.010	0.766	20.050
rs10764990	ebi-a-GCST90027161	10	129152608	G/A	0.430	0.430	0.003	0.010	0.771	55.818
rs7542410	ebi-a-GCST90027161	1	1831012	C/T	0.495	0.495	0.003	0.010	0.786	28.110
rs1462855	ebi-a-GCST90027161	1	155053719	C/T	0.406	0.406	0.003	0.010	0.810	44.017
rs1659127	ebi-a-GCST90027161	16	14388305	G/A	0.660	0.340	0.002	0.011	0.828	22.831
rs9876347	ebi-a-GCST90027161	3	188581788	C/T	0.559	0.442	0.002	0.010	0.839	19.960
rs55980151	ebi-a-GCST90027161	18	68716194	T/C	0.345	0.345	0.002	0.011	0.868	20.364
rs115284545	ebi-a-GCST90027161	2	63508691	T/C	0.855	0.145	0.002	0.014	0.917	27.582
rs6549567	ebi-a-GCST90027161	3	73952546	A/G	0.351	0.351	0.001	0.011	0.892	20.089
rs968050	ebi-a-GCST90027161	6	98574560	C/T	0.524	0.476	0.001	0.010	0.901	29.579
rs12236077	ebi-a-GCST90027161	9	7116480	G/T	0.792	0.208	0.001	0.012	0.921	22.983
rs10778326	ebi-a-GCST90027161	12	104776257	A/G	0.295	0.295	0.001	0.011	0.927	21.016
rs6493247	ebi-a-GCST90027161	15	47203622	A/G	0.337	0.337	0.001	0.011	0.926	24.734
rs6009942	ebi-a-GCST90027161	22	51079220	C/T	0.258	0.258	0.001	0.012	0.942	20.696
rs6024252	ebi-a-GCST90027161	20	54196713	C/T	0.678	0.322	0.001	0.011	0.951	20.400
rs10949576	ebi-a-GCST90027161	6	19055259	A/G	0.479	0.479	0.001	0.010	0.957	32.490
rs9568867	ebi-a-GCST90027161	13	54107352	G/A	0.868	0.132	0.000	0.015	0.980	33.026
rs12607072	ebi-a-GCST90027161	18	44839888	G/A	0.605	0.395	0.000	0.011	0.990	54.305
rs9561069	ebi-a-GCST90027161	13	93135089	T/C	0.395	0.395	0.000	0.010	0.979	22.736
rs11534419	ebi-a-GCST90027161	9	136388223	C/T	0.609	0.391	0.000	0.010	0.971	24.302
rs9453572	ebi-a-GCST90027161	6	62633416	T/C	0.710	0.290	0.000	0.012	0.971	36.696
rs1519659	ebi-a-GCST90027161	2	101088092	G/A	0.769	0.231	-0.001	0.012	0.969	35.602
rs4271161	ebi-a-GCST90027161	1	188321075	T/C	0.620	0.380	-0.001	0.010	0.933	30.008
rs12289262	ebi-a-GCST90027161	11	12894758	C/T	0.766	0.235	-0.001	0.013	0.937	24.908
rs34929220	ebi-a-GCST90027161	15	69769635	T/C	0.700	0.300	-0.001	0.011	0.908	21.373
rs7283775	ebi-a-GCST90027161	21	21404504	G/T	0.713	0.287	-0.002	0.011	0.896	34.304
rs112480821	ebi-a-GCST90027161	8	144291053	G/A	0.855	0.145	-0.002	0.013	0.862	19.411
rs10918383	ebi-a-GCST90027161	1	166151321	T/C	0.763	0.237	-0.003	0.012	0.834	29.539
rs3862639	ebi-a-GCST90027161	11	126601800	T/C	0.129	0.129	-0.003	0.016	0.869	21.687
rs2300755	ebi-a-GCST90027161	2	162883962	G/A	0.624	0.377	-0.003	0.010	0.795	24.046
rs13060816	ebi-a-GCST90027161	3	107280486	T/C	0.467	0.467	-0.003	0.010	0.764	21.807
rs2472297	ebi-a-GCST90027161	15	75027880	C/T	0.740	0.261	-0.003	0.012	0.765	126.498
rs7306442	ebi-a-GCST90027161	12	57252873	C/A	0.517	0.483	-0.003	0.010	0.741	22.042
rs10006310	ebi-a-GCST90027161	4	146809998	T/G	0.560	0.440	-0.004	0.010	0.716	21.886
rs7618494	ebi-a-GCST90027161	3	85603309	A/G	0.316	0.316	-0.004	0.011	0.699	88.710
rs2717046	ebi-a-GCST90027161	2	58041936	C/T	0.641	0.359	-0.005	0.011	0.651	57.155
rs72636697	ebi-a-GCST90027161	4	68016609	C/T	0.878	0.123	-0.005	0.019	0.803	32.070
rs11250088	ebi-a-GCST90027161	8	10771015	A/G	0.759	0.241	-0.005	0.012	0.669	20.676
rs4451990	ebi-a-GCST90027161	17	46400653	A/G	0.733	0.267	-0.005	0.012	0.647	31.135
rs1977958	ebi-a-GCST90027161	18	73363526	T/C	0.726	0.274	-0.006	0.012	0.639	26.781
rs2702576	ebi-a-GCST90027161	4	15058245	A/G	0.368	0.368	-0.006	0.011	0.569	31.190

rs11952290	ebi-a-GCST90027161	5	165143251	T/C	0.383	0.383	-0.006	0.010	0.543	24.477
rs148184329	ebi-a-GCST90027161	4	151914664	C/T	0.971	0.030	-0.007	0.029	0.814	23.803
rs2177044	ebi-a-GCST90027161	3	146601081	A/G	0.663	0.337	-0.007	0.011	0.509	20.791
rs4761961	ebi-a-GCST90027161	12	51799968	A/C	0.421	0.421	-0.007	0.010	0.495	23.633
rs992313	ebi-a-GCST90027161	2	77131953	A/G	0.532	0.468	-0.008	0.010	0.432	48.894
rs1326609	ebi-a-GCST90027161	6	51610248	G/A	0.605	0.395	-0.008	0.010	0.415	31.215
rs7677236	ebi-a-GCST90027161	4	189139258	A/G	0.811	0.189	-0.009	0.014	0.528	23.814
rs8038574	ebi-a-GCST90027161	15	95275890	T/C	0.395	0.395	-0.009	0.010	0.390	23.481
rs60470928	ebi-a-GCST90027161	2	46963382	A/G	0.909	0.091	-0.009	0.016	0.570	26.766
rs11710570	ebi-a-GCST90027161	3	158056654	T/C	0.582	0.418	-0.009	0.010	0.363	35.056
rs12675188	ebi-a-GCST90027161	8	94838313	T/C	0.400	0.400	-0.010	0.010	0.356	25.804
rs62410259	ebi-a-GCST90027161	4	41713671	G/A	0.924	0.076	-0.010	0.019	0.613	25.036
rs9827724	ebi-a-GCST90027161	3	25127498	C/T	0.226	0.226	-0.010	0.013	0.425	24.428
rs10757257	ebi-a-GCST90027161	9	21806564	G/A	0.566	0.434	-0.011	0.010	0.272	25.138
rs146933700	ebi-a-GCST90027161	2	193900495	A/G	0.342	0.342	-0.012	0.018	0.512	19.645
rs55676346	ebi-a-GCST90027161	16	55089983	C/A	0.694	0.306	-0.012	0.011	0.285	22.252
rs28712821	ebi-a-GCST90027161	4	39413780	G/A	0.379	0.379	-0.012	0.011	0.257	22.206
rs2513649	ebi-a-GCST90027161	11	115425185	T/C	0.356	0.356	-0.012	0.011	0.247	28.336
rs2275638	ebi-a-GCST90027161	9	111696065	A/C	0.927	0.073	-0.013	0.019	0.484	26.078
rs56143595	ebi-a-GCST90027161	2	52747830	G/T	0.665	0.336	-0.013	0.011	0.213	47.662
rs55880962	ebi-a-GCST90027161	18	40659360	G/A	0.798	0.202	-0.013	0.013	0.286	43.042
rs4243626	ebi-a-GCST90027161	14	64185532	T/C	0.641	0.359	-0.014	0.011	0.182	23.597
rs1433004	ebi-a-GCST90027161	5	164673402	T/G	0.591	0.409	-0.015	0.010	0.144	20.105
rs112203261	ebi-a-GCST90027161	20	1895621	C/A	0.630	0.370	-0.015	0.011	0.144	47.580
rs112959015	ebi-a-GCST90027161	5	40790883	G/A	0.975	0.025	-0.016	0.035	0.655	19.745
rs889403	ebi-a-GCST90027161	16	73341029	T/C	0.509	0.491	-0.016	0.010	0.122	21.603
rs6062682	ebi-a-GCST90027161	20	62891820	C/T	0.597	0.403	-0.016	0.011	0.132	23.813
rs17409597	ebi-a-GCST90027161	2	146045060	T/C	0.594	0.406	-0.017	0.014	0.240	33.667
rs8054755	ebi-a-GCST90027161	16	3741122	C/T	0.957	0.043	-0.017	0.025	0.497	25.330
rs17731087	ebi-a-GCST90027161	5	167623089	C/T	0.949	0.051	-0.019	0.024	0.448	26.057
rs1144428	ebi-a-GCST90027161	2	201097903	G/A	0.249	0.249	-0.019	0.012	0.101	49.617
rs10952774	ebi-a-GCST90027161	7	148358111	G/A	0.473	0.473	-0.022	0.011	0.043	28.959
rs72781580	ebi-a-GCST90027161	10	12244217	C/T	0.945	0.055	-0.024	0.022	0.278	23.516
rs7930880	ebi-a-GCST90027161	11	73068769	A/C	0.873	0.127	-0.024	0.015	0.101	20.575
rs111413244	ebi-a-GCST90027161	18	7864726	G/A	0.778	0.223	-0.026	0.012	0.034	20.381
rs11099284	ebi-a-GCST90027161	4	135438724	T/C	0.182	0.182	-0.027	0.013	0.035	25.419
rs144085578	ebi-a-GCST90027161	4	3836235	G/A	0.957	0.043	-0.028	0.025	0.270	21.209
rs6721975	ebi-a-GCST90027161	2	5832667	T/C	0.216	0.216	-0.029	0.013	0.021	23.397
rs4735950	ebi-a-GCST90027161	8	831155	C/T	0.097	0.097	-0.038	0.016	0.022	20.577
rs1447182	ebi-a-GCST90027161	11	57916512	T/C	0.190	0.190	-0.040	0.014	0.004	41.072
rs112706793	ebi-a-GCST90027161	3	12598783	A/G	0.945	0.056	-0.041	0.024	0.083	34.496
rs187256260	ebi-a-GCST90027161	17	57577857	C/T	0.926	0.075	-0.048	0.025	0.061	24.785
rs114269033	ebi-a-GCST90027161	22	24814545	G/A	0.989	0.011	-0.057	0.054	0.292	26.426

with meals in cu

rs118036858	ebi-a-GCST90027161	14	63955904	G/A	0.980	0.020	0.056	0.035	0.112	20.683
rs6534338	ebi-a-GCST90027161	4	123026869	T/C	0.335	0.335	0.047	0.011	0.000	30.171
rs62486396	ebi-a-GCST90027161	8	12575340	C/A	0.776	0.224	0.040	0.014	0.003	21.421
rs62486396	ebi-a-GCST90027161	8	12575340	C/A	0.776	0.224	0.040	0.014	0.003	29.392
rs114387324	ebi-a-GCST90027161	6	51145383	A/G	0.974	0.026	0.039	0.038	0.296	23.544
rs72715377	ebi-a-GCST90027161	1	93618541	C/A	0.962	0.038	0.035	0.027	0.194	22.159

rs6805189	ebi-a-GCST90027161	3	71532113	T/C	0.525	0.475	0.034	0.010	0.001	42.167
rs35483362	ebi-a-GCST90027161	3	71531467	T/C	0.526	0.475	0.034	0.010	0.001	40.225
rs1376590	ebi-a-GCST90027161	2	199972587	T/G	0.137	0.137	0.033	0.016	0.040	21.166
rs143081997	ebi-a-GCST90027161	4	149433445	A/G	0.978	0.022	0.031	0.034	0.351	19.843
rs143081997	ebi-a-GCST90027161	4	149433445	A/G	0.978	0.022	0.031	0.034	0.351	21.881
rs11710280	ebi-a-GCST90027161	3	138050798	T/G	0.357	0.357	0.031	0.011	0.004	23.363
rs12038796	ebi-a-GCST90027161	1	88031903	G/T	0.984	0.016	0.028	0.036	0.442	24.792
rs72778351	ebi-a-GCST90027161	16	26026724	T/C	0.975	0.025	0.028	0.032	0.383	20.723
rs13262595	ebi-a-GCST90027161	8	143316970	A/G	0.425	0.425	0.027	0.010	0.008	29.031
rs13262595	ebi-a-GCST90027161	8	143316970	A/G	0.425	0.425	0.027	0.010	0.008	25.350
rs1925191	ebi-a-GCST90027161	6	23835343	T/G	0.197	0.197	0.027	0.013	0.033	20.370
rs72720396	ebi-a-GCST90027161	1	91191582	A/G	0.795	0.205	0.027	0.013	0.037	38.183
rs72720396	ebi-a-GCST90027161	1	91191582	A/G	0.795	0.205	0.027	0.013	0.037	44.286
rs1291836	ebi-a-GCST90027161	10	11101276	A/G	0.425	0.425	0.024	0.010	0.018	23.166
rs7515252	ebi-a-GCST90027161	1	85704553	C/T	0.639	0.361	0.024	0.011	0.024	19.716
rs1614887	ebi-a-GCST90027161	6	26393021	G/A	0.460	0.460	0.024	0.010	0.021	23.679
rs58894620	ebi-a-GCST90027161	3	83859900	G/A	0.773	0.227	0.023	0.012	0.052	22.249
rs8106813	ebi-a-GCST90027161	19	45431658	A/G	0.496	0.496	0.023	0.011	0.029	20.545
rs62183034	ebi-a-GCST90027161	2	212643644	T/G	0.714	0.286	0.021	0.011	0.057	24.581
rs192027818	ebi-a-GCST90027161	14	36283490	T/C	0.990	0.010	0.019	0.065	0.766	19.511
rs78866176	ebi-a-GCST90027161	3	159957255	C/A	0.923	0.077	0.019	0.020	0.348	20.221
rs2080940	ebi-a-GCST90027161	5	107055537	C/T	0.563	0.438	0.019	0.010	0.070	22.379
rs13163845	ebi-a-GCST90027161	5	3264389	T/C	0.851	0.149	0.018	0.015	0.209	24.883
rs10026792	ebi-a-GCST90027161	4	2862190	G/A	0.680	0.320	0.017	0.011	0.109	22.027
rs11228153	ebi-a-GCST90027161	11	67953584	G/A	0.906	0.094	0.017	0.018	0.354	20.551
rs4082204	ebi-a-GCST90027161	8	38328902	G/A	0.597	0.403	0.017	0.010	0.108	25.750
rs4701255	ebi-a-GCST90027161	5	25537909	C/T	0.939	0.062	0.017	0.021	0.430	23.851
rs17056963	ebi-a-GCST90027161	13	60213235	C/T	0.975	0.025	0.016	0.037	0.656	20.812
rs17056963	ebi-a-GCST90027161	13	60213235	C/T	0.975	0.025	0.016	0.037	0.656	25.030
rs531214	ebi-a-GCST90027161	11	92309425	C/T	0.128	0.128	0.015	0.015	0.294	23.034
rs531214	ebi-a-GCST90027161	11	92309425	C/T	0.128	0.128	0.015	0.015	0.294	30.074
rs2587366	ebi-a-GCST90027161	13	53947732	C/T	0.412	0.412	0.015	0.010	0.143	21.475
rs2782639	ebi-a-GCST90027161	1	44006339	A/G	0.719	0.281	0.015	0.011	0.176	22.337
rs12461923	ebi-a-GCST90027161	19	47601215	C/T	0.826	0.174	0.014	0.014	0.312	23.987
rs143062409	ebi-a-GCST90027161	3	82634271	G/A	0.833	0.167	0.012	0.014	0.398	24.569
rs898751	ebi-a-GCST90027161	17	2291863	C/T	0.492	0.492	0.012	0.010	0.243	61.980
rs2799423	ebi-a-GCST90027161	1	236747931	A/C	0.284	0.284	0.012	0.011	0.298	45.333
rs898751	ebi-a-GCST90027161	17	2291863	C/T	0.492	0.492	0.012	0.010	0.243	57.419
rs4280716	ebi-a-GCST90027161	4	28624594	T/G	0.130	0.130	0.011	0.016	0.480	19.494
rs7851830	ebi-a-GCST90027161	9	109380084	A/G	0.776	0.224	0.010	0.012	0.422	20.066
rs7851830	ebi-a-GCST90027161	9	109380084	A/G	0.776	0.224	0.010	0.012	0.422	23.442
rs1786339	ebi-a-GCST90027161	8	101682642	T/C	0.825	0.175	0.010	0.013	0.458	20.348
rs10246939	ebi-a-GCST90027161	7	141672604	T/C	0.587	0.414	0.010	0.010	0.347	20.757
rs10246939	ebi-a-GCST90027161	7	141672604	T/C	0.587	0.414	0.010	0.010	0.347	26.716
rs13062477	ebi-a-GCST90027161	3	173938940	C/T	0.273	0.273	0.010	0.011	0.394	20.671
rs62086042	ebi-a-GCST90027161	17	65967443	C/T	0.273	0.273	0.010	0.011	0.397	24.305
rs17839277	ebi-a-GCST90027161	5	18022107	G/A	0.970	0.030	0.010	0.031	0.760	19.684
rs17218712	ebi-a-GCST90027161	9	14765220	C/T	0.716	0.284	0.009	0.012	0.423	22.593
rs13296345	ebi-a-GCST90027161	9	14791348	T/C	0.643	0.358	0.009	0.011	0.416	27.477
rs58011088	ebi-a-GCST90027161	18	35188449	G/A	0.685	0.315	0.009	0.011	0.436	24.601

rs3935624	ebi-a-GCST90027161	7	5355343	G/A	0.336	0.336	0.008	0.011	0.454	21.548
rs3935624	ebi-a-GCST90027161	7	5355343	G/A	0.336	0.336	0.008	0.011	0.454	21.138
rs2853603	ebi-a-GCST90027161	1	236733926	T/C	0.257	0.257	0.008	0.012	0.493	32.841
rs1714081	ebi-a-GCST90027161	4	35938175	C/T	0.405	0.405	0.008	0.011	0.442	42.553
rs16956020	ebi-a-GCST90027161	16	81972268	G/A	0.936	0.064	0.008	0.023	0.730	20.287
rs16956020	ebi-a-GCST90027161	16	81972268	G/A	0.936	0.064	0.008	0.023	0.730	20.877
rs1452799	ebi-a-GCST90027161	8	78166500	C/T	0.217	0.217	0.008	0.012	0.526	23.757
rs2588917	ebi-a-GCST90027161	10	63524979	C/A	0.586	0.414	0.008	0.010	0.462	24.927
rs41301394	ebi-a-GCST90027161	7	75612803	C/T	0.679	0.321	0.008	0.011	0.473	25.319
rs12054137	ebi-a-GCST90027161	3	196054086	C/T	0.710	0.290	0.008	0.011	0.506	21.070
rs2165990	ebi-a-GCST90027161	15	53069747	A/G	0.707	0.293	0.007	0.011	0.528	21.894
rs2282640	ebi-a-GCST90027161	11	66245851	G/T	0.734	0.266	0.007	0.012	0.545	19.660
rs35124684	ebi-a-GCST90027161	4	105435545	T/C	0.716	0.284	0.007	0.015	0.645	31.549
rs35124684	ebi-a-GCST90027161	4	105435545	T/C	0.716	0.284	0.007	0.015	0.645	23.143
rs11123820	ebi-a-GCST90027161	2	100871186	A/G	0.598	0.402	0.007	0.010	0.512	26.150
rs2514226	ebi-a-GCST90027161	11	113404328	T/C	0.243	0.243	0.007	0.012	0.578	20.002
rs6711980	ebi-a-GCST90027161	2	166277393	G/A	0.516	0.484	0.006	0.010	0.555	27.138
rs1079359	ebi-a-GCST90027161	7	157462464	A/G	0.426	0.426	0.006	0.010	0.593	26.704
rs1079008	ebi-a-GCST90027161	16	65070923	T/C	0.513	0.487	0.005	0.010	0.601	26.278
rs12478804	ebi-a-GCST90027161	2	169012380	A/G	0.631	0.369	0.005	0.011	0.644	23.810
rs2847729	ebi-a-GCST90027161	8	101686315	C/T	0.647	0.354	0.005	0.011	0.658	19.626
rs2730814	ebi-a-GCST90027161	12	41870871	A/G	0.524	0.476	0.005	0.010	0.648	20.626
rs35236974	ebi-a-GCST90027161	8	27453579	A/G	0.849	0.151	0.005	0.015	0.755	28.770
rs35236974	ebi-a-GCST90027161	8	27453579	A/G	0.849	0.151	0.005	0.015	0.755	24.346
rs9947715	ebi-a-GCST90027161	18	22385553	A/C	0.456	0.456	0.004	0.010	0.670	19.842
rs7007485	ebi-a-GCST90027161	8	136070005	G/A	0.688	0.312	0.004	0.011	0.706	22.101
rs2551763	ebi-a-GCST90027161	7	135162897	C/T	0.388	0.388	0.004	0.011	0.729	24.780
rs6953207	ebi-a-GCST90027161	7	66950818	G/A	0.225	0.225	0.004	0.012	0.771	22.250
rs715694	ebi-a-GCST90027161	15	47489021	A/G	0.647	0.353	0.004	0.011	0.737	20.510
rs2253634	ebi-a-GCST90027161	12	41866094	G/T	0.607	0.393	0.003	0.014	0.852	21.931
rs34547756	ebi-a-GCST90027161	19	15307355	T/G	0.239	0.239	0.002	0.012	0.843	19.625
rs34547756	ebi-a-GCST90027161	19	15307355	T/G	0.239	0.239	0.002	0.012	0.843	19.973
rs9522962	ebi-a-GCST90027161	13	91081656	T/C	0.471	0.471	0.002	0.010	0.815	23.114
rs10211084	ebi-a-GCST90027161	2	240263584	A/G	0.190	0.190	0.002	0.013	0.868	20.452
rs16847223	ebi-a-GCST90027161	3	159578542	A/G	0.572	0.428	0.002	0.010	0.831	20.879
rs9401593	ebi-a-GCST90027161	6	98549801	A/C	0.523	0.477	0.002	0.010	0.832	26.712
rs12735232	ebi-a-GCST90027161	1	6867842	T/C	0.831	0.169	0.002	0.013	0.873	19.661
rs2403116	ebi-a-GCST90027161	12	84110605	A/G	0.492	0.492	0.002	0.010	0.837	21.912
rs4674322	ebi-a-GCST90027161	2	219513782	T/C	0.739	0.261	0.002	0.012	0.862	20.557
rs112618215	ebi-a-GCST90027161	17	75611022	A/C	0.973	0.027	0.002	0.034	0.958	25.360
rs9445791	ebi-a-GCST90027161	6	67628407	C/T	0.537	0.463	0.002	0.010	0.881	27.530
rs440712	ebi-a-GCST90027161	14	69485347	G/A	0.361	0.361	0.002	0.011	0.892	22.342
rs901114	ebi-a-GCST90027161	4	176931202	G/A	0.777	0.223	0.002	0.012	0.900	20.677
rs17176234	ebi-a-GCST90027161	1	232507635	A/G	0.964	0.036	0.002	0.025	0.953	23.104
rs440712	ebi-a-GCST90027161	14	69485347	G/A	0.361	0.361	0.002	0.011	0.892	24.593
rs10118570	ebi-a-GCST90027161	9	128476464	G/A	0.318	0.318	0.001	0.011	0.901	28.849
rs10118570	ebi-a-GCST90027161	9	128476464	G/A	0.318	0.318	0.001	0.011	0.901	25.820
rs35550545	ebi-a-GCST90027161	1	151000183	G/A	0.882	0.118	0.001	0.015	0.932	19.391
rs62543701	ebi-a-GCST90027161	9	26033875	A/G	0.356	0.356	0.001	0.011	0.909	19.654
rs11624627	ebi-a-GCST90027161	14	103831459	G/A	0.991	0.009	0.001	0.054	0.983	22.406

rs4836866	ebi-a-GCST90027161	9	124620787	G/A	0.290	0.290	0.001	0.011	0.924	33.604
rs11624627	ebi-a-GCST90027161	14	103831459	G/A	0.991	0.009	0.001	0.054	0.983	19.668
rs4837904	ebi-a-GCST90027161	9	124620480	T/C	0.290	0.290	0.001	0.011	0.932	37.129
rs62282229	ebi-a-GCST90027161	3	130776646	G/T	0.805	0.195	0.001	0.012	0.942	19.725
rs62282229	ebi-a-GCST90027161	3	130776646	G/T	0.805	0.195	0.001	0.012	0.942	26.579
rs2256186	ebi-a-GCST90027161	20	51631048	A/C	0.517	0.483	0.001	0.010	0.937	22.517
rs4277992	ebi-a-GCST90027161	6	67583978	A/G	0.442	0.442	0.000	0.010	0.970	23.077
rs73184873	ebi-a-GCST90027161	12	74819587	T/G	0.818	0.182	0.000	0.013	0.974	19.839
rs9906444	ebi-a-GCST90027161	17	78950448	C/A	0.597	0.403	0.000	0.010	0.992	19.910
rs4717391	ebi-a-GCST90027161	7	66986636	C/T	0.517	0.483	0.000	0.010	0.984	18.980
rs62007820	ebi-a-GCST90027161	15	78060786	G/A	0.742	0.258	0.000	0.012	0.983	22.559
rs62007820	ebi-a-GCST90027161	15	78060786	G/A	0.742	0.258	0.000	0.012	0.983	30.970
rs1923873	ebi-a-GCST90027161	13	104842257	G/A	0.277	0.277	-0.001	0.011	0.959	25.271
rs1923873	ebi-a-GCST90027161	13	104842257	G/A	0.277	0.277	-0.001	0.011	0.959	21.052
rs13246732	ebi-a-GCST90027161	7	113775765	C/T	0.677	0.323	-0.001	0.011	0.944	41.486
rs5877	ebi-a-GCST90027161	1	173878862	T/C	0.688	0.312	-0.001	0.011	0.936	39.522
rs4959813	ebi-a-GCST90027161	6	3320151	T/C	0.541	0.459	-0.001	0.010	0.913	20.367
rs7775552	ebi-a-GCST90027161	6	67475569	A/G	0.522	0.478	-0.001	0.010	0.906	22.685
rs1263603	ebi-a-GCST90027161	2	207927831	A/G	0.577	0.423	-0.001	0.010	0.899	19.889
rs66905828	ebi-a-GCST90027161	7	104576670	A/C	0.711	0.290	-0.002	0.011	0.896	30.061
rs77165542	ebi-a-GCST90027161	2	430975	C/T	0.972	0.028	-0.002	0.034	0.966	23.179
rs55913749	ebi-a-GCST90027161	16	83603897	G/A	0.593	0.407	-0.002	0.010	0.859	22.908
rs12413756	ebi-a-GCST90027161	10	130483297	A/G	0.825	0.175	-0.002	0.014	0.890	21.821
rs6690195	ebi-a-GCST90027161	1	96221653	C/T	0.527	0.473	-0.002	0.010	0.822	32.463
rs11138767	ebi-a-GCST90027161	9	83246133	T/G	0.404	0.404	-0.002	0.010	0.812	24.728
rs10123215	ebi-a-GCST90027161	9	104373075	G/T	0.642	0.358	-0.002	0.010	0.818	22.562
rs7085419	ebi-a-GCST90027161	10	105477212	G/A	0.619	0.381	-0.003	0.011	0.810	24.195
rs28476639	ebi-a-GCST90027161	8	873800	C/T	0.862	0.138	-0.003	0.016	0.860	21.511
rs4636319	ebi-a-GCST90027161	9	100252721	T/C	0.519	0.481	-0.003	0.010	0.773	31.711
rs8005940	ebi-a-GCST90027161	14	30190833	C/T	0.543	0.457	-0.003	0.010	0.766	25.173
rs35139258	ebi-a-GCST90027161	5	166171850	A/G	0.524	0.476	-0.003	0.010	0.773	20.311
rs115004774	ebi-a-GCST90027161	2	101253512	C/T	0.984	0.016	-0.003	0.043	0.941	20.740
rs72772094	ebi-a-GCST90027161	10	11073891	C/T	0.913	0.087	-0.004	0.018	0.842	26.732
rs58734839	ebi-a-GCST90027161	14	42179863	T/C	0.753	0.247	-0.004	0.012	0.744	35.537
rs58734839	ebi-a-GCST90027161	14	42179863	T/C	0.753	0.247	-0.004	0.012	0.744	41.007
rs7551034	ebi-a-GCST90027161	1	115591163	A/G	0.527	0.474	-0.004	0.010	0.701	22.928
rs186711	ebi-a-GCST90027161	10	28922327	A/G	0.438	0.438	-0.004	0.010	0.695	21.334
rs10932201	ebi-a-GCST90027161	2	208426257	G/A	0.542	0.458	-0.004	0.010	0.697	34.568
rs186711	ebi-a-GCST90027161	10	28922327	A/G	0.438	0.438	-0.004	0.010	0.695	23.952
rs13301794	ebi-a-GCST90027161	9	100193001	A/G	0.520	0.480	-0.005	0.010	0.660	27.444
rs1812249	ebi-a-GCST90027161	1	112284581	G/A	0.760	0.241	-0.005	0.012	0.694	21.764
rs1812249	ebi-a-GCST90027161	1	112284581	G/A	0.760	0.241	-0.005	0.012	0.694	23.824
rs7709444	ebi-a-GCST90027161	5	60095726	T/C	0.486	0.486	-0.005	0.010	0.647	23.747
rs61283918	ebi-a-GCST90027161	8	41209929	G/A	0.968	0.032	-0.005	0.026	0.855	19.862
rs929511	ebi-a-GCST90027161	7	8003017	C/T	0.851	0.149	-0.005	0.014	0.730	20.463
rs10231548	ebi-a-GCST90027161	7	17558975	G/T	0.691	0.309	-0.005	0.011	0.663	20.550
rs12271123	ebi-a-GCST90027161	11	21369266	C/T	0.659	0.341	-0.005	0.011	0.617	20.168
rs62025923	ebi-a-GCST90027161	15	83977166	T/C	0.805	0.195	-0.006	0.013	0.673	20.613
rs4724077	ebi-a-GCST90027161	7	41889092	T/C	0.414	0.414	-0.006	0.010	0.587	21.129
rs2996933	ebi-a-GCST90027161	1	108560774	A/C	0.284	0.284	-0.006	0.011	0.598	19.457

rs6801590	ebi-a-GCST90027161	3	35787461	A/C	0.700	0.300	-0.006	0.011	0.561	27.224
rs61851647	ebi-a-GCST90027161	10	73278681	C/T	0.828	0.172	-0.007	0.014	0.626	21.617
rs2820309	ebi-a-GCST90027161	1	201834944	A/G	0.668	0.332	-0.008	0.011	0.474	27.242
rs2820309	ebi-a-GCST90027161	1	201834944	A/G	0.668	0.332	-0.008	0.011	0.474	25.119
rs2825016	ebi-a-GCST90027161	21	20081605	C/A	0.655	0.345	-0.008	0.011	0.466	21.557
rs56399143	ebi-a-GCST90027161	4	147630649	C/T	0.611	0.389	-0.008	0.011	0.457	26.645
rs4761967	ebi-a-GCST90027161	12	51866405	C/T	0.447	0.447	-0.008	0.010	0.451	21.392
rs7170186	ebi-a-GCST90027161	15	95251591	C/A	0.343	0.343	-0.008	0.011	0.458	25.681
rs12535428	ebi-a-GCST90027161	7	113858363	C/T	0.682	0.319	-0.008	0.011	0.456	30.780
rs2860872	ebi-a-GCST90027161	2	77109127	T/C	0.534	0.466	-0.008	0.010	0.420	26.729
rs62223645	ebi-a-GCST90027161	21	38528987	G/A	0.952	0.048	-0.008	0.024	0.730	23.689
rs66463757	ebi-a-GCST90027161	2	60103471	C/T	0.821	0.179	-0.009	0.013	0.514	21.891
rs66463757	ebi-a-GCST90027161	2	60103471	C/T	0.821	0.179	-0.009	0.013	0.514	25.783
rs11542178	ebi-a-GCST90027161	16	1034954	T/C	0.672	0.328	-0.009	0.011	0.406	20.161
rs35239783	ebi-a-GCST90027161	6	158125726	A/G	0.674	0.326	-0.009	0.015	0.529	20.810
rs7808586	ebi-a-GCST90027161	7	131859496	G/A	0.429	0.429	-0.009	0.010	0.370	29.529
rs2327436	ebi-a-GCST90027161	6	134285135	T/C	0.374	0.374	-0.009	0.011	0.384	20.791
rs56351958	ebi-a-GCST90027161	7	117602859	T/C	0.803	0.197	-0.010	0.013	0.471	22.194
rs56351958	ebi-a-GCST90027161	7	117602859	T/C	0.803	0.197	-0.010	0.013	0.471	23.125
rs7080386	ebi-a-GCST90027161	10	65048306	C/A	0.599	0.401	-0.010	0.010	0.355	21.222
rs7080386	ebi-a-GCST90027161	10	65048306	C/A	0.599	0.401	-0.010	0.010	0.355	26.654
rs77966298	ebi-a-GCST90027161	2	10984514	A/G	0.823	0.177	-0.010	0.012	0.421	29.405
rs7242923	ebi-a-GCST90027161	18	35159833	T/C	0.312	0.312	-0.010	0.011	0.375	37.245
rs35547088	ebi-a-GCST90027161	9	2875104	A/C	0.620	0.381	-0.010	0.011	0.340	22.094
rs73480560	ebi-a-GCST90027161	11	57401400	C/T	0.723	0.277	-0.010	0.011	0.369	31.064
rs73480560	ebi-a-GCST90027161	11	57401400	C/T	0.723	0.277	-0.010	0.011	0.369	36.608
rs73188026	ebi-a-GCST90027161	13	44264740	C/T	0.700	0.300	-0.010	0.011	0.352	20.845
rs1512929	ebi-a-GCST90027161	3	86265219	C/T	0.385	0.385	-0.011	0.011	0.314	20.486
rs9824301	ebi-a-GCST90027161	3	85682888	A/C	0.623	0.377	-0.011	0.010	0.312	28.406
rs2105028	ebi-a-GCST90027161	1	43941352	C/T	0.617	0.383	-0.011	0.011	0.309	27.731
rs4423499	ebi-a-GCST90027161	18	3042771	T/C	0.852	0.149	-0.011	0.015	0.453	19.948
rs10981001	ebi-a-GCST90027161	9	114425109	A/C	0.732	0.268	-0.011	0.011	0.327	24.044
rs34940743	ebi-a-GCST90027161	14	80102233	A/G	0.643	0.357	-0.011	0.011	0.294	24.569
rs396692	ebi-a-GCST90027161	4	163553861	G/A	0.272	0.272	-0.011	0.012	0.333	20.780
rs396692	ebi-a-GCST90027161	4	163553861	G/A	0.272	0.272	-0.011	0.012	0.333	21.592
rs970284	ebi-a-GCST90027161	20	41280429	A/G	0.148	0.148	-0.012	0.015	0.428	21.904
rs10768661	ebi-a-GCST90027161	11	41062788	T/C	0.563	0.437	-0.012	0.010	0.253	21.675
rs10123002	ebi-a-GCST90027161	9	86272344	C/T	0.817	0.183	-0.012	0.013	0.353	26.577
rs2016975	ebi-a-GCST90027161	3	35821408	A/C	0.572	0.428	-0.012	0.010	0.233	29.128
rs1400847	ebi-a-GCST90027161	2	77072143	T/C	0.690	0.310	-0.012	0.011	0.260	24.257
rs11251448	ebi-a-GCST90027161	10	2757555	T/G	0.516	0.484	-0.013	0.010	0.216	19.994
rs61817482	ebi-a-GCST90027161	1	204570347	G/A	0.781	0.219	-0.013	0.012	0.284	23.602
rs11856446	ebi-a-GCST90027161	15	101144913	T/G	0.343	0.343	-0.013	0.011	0.224	21.635
rs76076331	ebi-a-GCST90027161	2	10977585	C/T	0.834	0.166	-0.013	0.013	0.301	29.608
rs2471709	ebi-a-GCST90027161	4	28575292	C/T	0.838	0.162	-0.013	0.014	0.362	24.252
rs1500206	ebi-a-GCST90027161	5	18330038	G/A	0.450	0.450	-0.013	0.010	0.199	26.212
rs12355387	ebi-a-GCST90027161	10	105435789	C/T	0.566	0.434	-0.013	0.010	0.197	25.394
rs11654357	ebi-a-GCST90027161	17	33867369	A/C	0.620	0.380	-0.014	0.010	0.180	22.025
rs11180037	ebi-a-GCST90027161	12	74760628	T/G	0.753	0.247	-0.014	0.012	0.223	20.393
rs9951783	ebi-a-GCST90027161	18	28385120	T/C	0.630	0.370	-0.015	0.011	0.167	20.700

rs2277778	ebi-a-GCST90027161	20	16571018	A/G	0.193	0.193	-0.016	0.013	0.223	19.447
rs806180	ebi-a-GCST90027161	7	127283699	C/T	0.622	0.378	-0.017	0.011	0.116	23.057
rs4615151	ebi-a-GCST90027161	4	46647279	T/C	0.647	0.353	-0.018	0.011	0.091	24.360
rs17027967	ebi-a-GCST90027161	2	60638973	T/C	0.897	0.103	-0.018	0.016	0.265	22.739
rs17027967	ebi-a-GCST90027161	2	60638973	T/C	0.897	0.103	-0.018	0.016	0.265	27.621
rs4526484	ebi-a-GCST90027161	9	134910165	A/C	0.188	0.188	-0.018	0.013	0.176	21.079
rs10885414	ebi-a-GCST90027161	10	114861304	A/G	0.667	0.333	-0.018	0.011	0.087	24.465
rs76866233	ebi-a-GCST90027161	1	232514772	G/A	0.972	0.028	-0.018	0.028	0.514	21.792
rs10885414	ebi-a-GCST90027161	10	114861304	A/G	0.667	0.333	-0.018	0.011	0.087	21.988
rs34639533	ebi-a-GCST90027161	11	41013031	T/G	0.527	0.473	-0.019	0.010	0.061	23.167
rs10511337	ebi-a-GCST90027161	3	114413580	A/G	0.976	0.024	-0.019	0.038	0.620	20.885
rs77363548	ebi-a-GCST90027161	10	63590276	G/T	0.943	0.057	-0.020	0.024	0.421	22.789
rs4421372	ebi-a-GCST90027161	8	896383	A/C	0.541	0.460	-0.020	0.014	0.160	20.402
rs74619517	ebi-a-GCST90027161	4	17865561	G/A	0.899	0.101	-0.020	0.019	0.277	19.754
rs1846900	ebi-a-GCST90027161	16	13027924	G/A	0.743	0.257	-0.021	0.012	0.069	20.079
rs114957607	ebi-a-GCST90027161	5	90983352	G/A	0.982	0.018	-0.021	0.038	0.578	22.442
rs114957607	ebi-a-GCST90027161	5	90983352	G/A	0.982	0.018	-0.021	0.038	0.578	22.272
rs1472441	ebi-a-GCST90027161	1	214527252	G/A	0.415	0.415	-0.022	0.010	0.029	23.138
rs17407267	ebi-a-GCST90027161	7	78688292	A/G	0.895	0.105	-0.023	0.018	0.196	21.026
rs2050256	ebi-a-GCST90027161	1	32204683	A/G	0.811	0.189	-0.025	0.013	0.049	20.254
rs2050256	ebi-a-GCST90027161	1	32204683	A/G	0.811	0.189	-0.025	0.013	0.049	21.906
rs73178572	ebi-a-GCST90027161	5	88896295	A/C	0.941	0.059	-0.025	0.026	0.325	19.503
rs400140	ebi-a-GCST90027161	21	46535814	C/T	0.672	0.329	-0.026	0.011	0.016	24.778
rs78545318	ebi-a-GCST90027161	13	97100534	T/C	0.974	0.026	-0.028	0.029	0.338	20.075
rs4931207	ebi-a-GCST90027161	12	29790661	A/G	0.170	0.170	-0.029	0.014	0.037	21.051
rs10210970	ebi-a-GCST90027161	2	28646847	C/T	0.851	0.149	-0.031	0.014	0.027	22.316
rs76138615	ebi-a-GCST90027161	20	24607272	C/T	0.804	0.197	-0.033	0.013	0.009	24.358
rs17184323	ebi-a-GCST90027161	2	199901247	G/A	0.863	0.137	-0.033	0.016	0.039	22.162
rs4785805	ebi-a-GCST90027161	16	66193133	G/A	0.818	0.182	-0.034	0.013	0.008	21.221
rs71488237	ebi-a-GCST90027161	11	106913727	G/A	0.975	0.025	-0.035	0.032	0.273	26.115
rs72778350	ebi-a-GCST90027161	5	104082311	G/A	0.971	0.029	-0.038	0.028	0.175	21.637
rs72778350	ebi-a-GCST90027161	5	104082311	G/A	0.971	0.029	-0.038	0.028	0.175	20.217
rs112141391	ebi-a-GCST90027161	5	52437970	A/G	0.980	0.020	-0.039	0.051	0.445	21.842
rs187060419	ebi-a-GCST90027161	7	27138556	C/A	0.953	0.047	-0.039	0.026	0.133	21.801
rs151242340	ebi-a-GCST90027161	16	48518460	G/T	0.988	0.012	-0.041	0.053	0.441	22.100
rs1028145	ebi-a-GCST90027161	2	51928042	G/T	0.122	0.122	-0.049	0.017	0.005	23.747
rs56103907	ebi-a-GCST90027161	10	95363106	A/G	0.974	0.026	-0.055	0.032	0.080	19.464
rs112530220	ebi-a-GCST90027161	22	37253015	A/G	0.990	0.010	-0.059	0.058	0.311	21.945
rs112530220	ebi-a-GCST90027161	22	37253015	A/G	0.990	0.010	-0.059	0.058	0.311	23.887
rs79201073	ebi-a-GCST90027161	16	89611199	G/A	0.937	0.063	-0.059	0.019	0.002	19.783
rs185464914	ebi-a-GCST90027161	21	18493546	G/A	0.989	0.012	-0.079	0.055	0.146	22.024
rs113194314	ebi-a-GCST90027161	13	30961180	C/T	0.964	0.036	-0.086	0.029	0.003	21.979
rs114348423	ebi-a-GCST90027161	4	130112033	G/A	0.989	0.011	-0.094	0.066	0.153	20.623
rs148099945	ebi-a-GCST90027161	13	82324383	G/A	0.991	0.009	-0.096	0.067	0.150	27.496

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rs17619927	ebi-a-GCST90027161	16	67834585	G/A	0.977	0.023	0.032	0.037	0.384	19.704
rs62432619	ebi-a-GCST90027161	6	150889850	C/T	0.904	0.096	0.026	0.018	0.134	20.825
rs190756935	ebi-a-GCST90027161	13	55479930	G/A	0.986	0.014	0.018	0.053	0.729	21.132
rs10970194	ebi-a-GCST90027161	9	31190448	C/T	0.565	0.435	0.016	0.010	0.121	23.927
rs113311836	ebi-a-GCST90027161	19	39477565	A/G	0.863	0.137	0.012	0.015	0.409	22.935

rs12455816	ebi-a-GCST90027161	18	76377829	A/G	0.860	0.140	0.010	0.015	0.498	21.373
rs1223766	ebi-a-GCST90027161	1	214372957	C/T	0.051	0.051	0.010	0.026	0.707	20.076
rs138404875	ebi-a-GCST90027161	12	95005964	C/T	0.919	0.081	0.008	0.017	0.632	27.337
rs9843929	ebi-a-GCST90027161	3	147229332	C/T	0.855	0.146	0.005	0.014	0.707	21.154
rs9519866	ebi-a-GCST90027161	13	106607799	C/T	0.330	0.330	0.003	0.011	0.803	21.957
rs4833799	ebi-a-GCST90027161	4	122960021	C/T	0.141	0.141	0.001	0.015	0.924	20.070
rs3001072	ebi-a-GCST90027161	1	163447854	T/C	0.755	0.245	0.001	0.012	0.915	20.274
rs1436849	ebi-a-GCST90027161	12	66575118	C/T	0.588	0.412	0.001	0.010	0.915	22.410
rs1451885	ebi-a-GCST90027161	8	1111140	T/C	0.193	0.193	-0.002	0.013	0.904	19.687
rs78158996	ebi-a-GCST90027161	3	193697501	T/G	0.849	0.151	-0.003	0.014	0.813	20.954
rs1545562	ebi-a-GCST90027161	7	54710048	T/G	0.692	0.308	-0.006	0.011	0.558	20.546
rs186006459	ebi-a-GCST90027161	17	45602113	G/A	0.985	0.015	-0.012	0.037	0.755	21.385
rs10246597	ebi-a-GCST90027161	7	15113580	C/T	0.840	0.160	-0.023	0.014	0.103	20.524
rs74632205	ebi-a-GCST90027161	11	107983089	T/C	0.909	0.091	-0.024	0.019	0.209	21.198
rs43002	ebi-a-GCST90027161	7	90756548	G/A	0.173	0.173	-0.033	0.014	0.021	19.802
rs79561929	ebi-a-GCST90027161	6	19430997	G/A	0.956	0.044	-0.075	0.027	0.005	19.915

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rs117830240	ebi-a-GCST90027161	7	76337092	T/C	0.970	0.030	0.067	0.031	0.032	21.519
rs2937268	ebi-a-GCST90027161	1	66553607	C/T	0.963	0.038	0.054	0.036	0.132	19.251
rs10505596	ebi-a-GCST90027161	8	133436172	C/T	0.957	0.044	0.045	0.024	0.056	25.186
rs112100944	ebi-a-GCST90027161	1	35889428	C/T	0.937	0.063	0.036	0.021	0.090	26.208
rs6475725	ebi-a-GCST90027161	9	23274249	T/G	0.260	0.260	0.030	0.012	0.009	34.977
rs17238607	ebi-a-GCST90027161	15	56396132	G/A	0.912	0.089	0.028	0.019	0.138	20.944
rs11032362	ebi-a-GCST90027161	11	33759092	G/A	0.924	0.076	0.027	0.021	0.196	42.860
rs2975722	ebi-a-GCST90027161	8	10097271	A/G	0.136	0.136	0.026	0.015	0.076	21.596
rs140865897	ebi-a-GCST90027161	1	98751650	C/T	0.661	0.339	0.023	0.011	0.035	30.745
rs4863749	ebi-a-GCST90027161	4	138882529	T/G	0.476	0.476	0.022	0.010	0.031	26.107
rs74551279	ebi-a-GCST90027161	19	13112137	G/A	0.872	0.128	0.021	0.015	0.163	25.995
rs1148672	ebi-a-GCST90027161	12	90774625	G/A	0.369	0.369	0.020	0.011	0.054	36.319
rs7898861	ebi-a-GCST90027161	10	65319678	T/C	0.519	0.481	0.020	0.010	0.050	40.977
rs6046825	ebi-a-GCST90027161	20	20368925	A/C	0.715	0.285	0.019	0.011	0.090	20.707
rs2790688	ebi-a-GCST90027161	1	153992909	C/T	0.842	0.159	0.019	0.014	0.182	52.056
rs11138408	ebi-a-GCST90027161	9	82533521	A/C	0.922	0.078	0.019	0.020	0.354	22.761
rs11109828	ebi-a-GCST90027161	12	99805677	A/C	0.869	0.131	0.018	0.015	0.228	20.198
rs9941224	ebi-a-GCST90027161	16	6957923	T/C	0.560	0.440	0.018	0.010	0.086	28.576
rs1260327	ebi-a-GCST90027161	2	27711893	A/G	0.528	0.472	0.018	0.010	0.082	24.992
rs1556623	ebi-a-GCST90027161	6	92298780	G/A	0.599	0.401	0.018	0.010	0.093	30.757
rs9481791	ebi-a-GCST90027161	6	98120959	G/A	0.829	0.171	0.017	0.013	0.218	28.350
rs140147	ebi-a-GCST90027161	22	30184599	G/A	0.666	0.334	0.016	0.011	0.144	27.631
rs17279275	ebi-a-GCST90027161	5	36180510	A/G	0.732	0.268	0.016	0.012	0.166	19.998
rs10163879	ebi-a-GCST90027161	18	44820274	G/A	0.397	0.397	0.016	0.010	0.127	70.875
rs4992979	ebi-a-GCST90027161	8	21580182	C/T	0.490	0.490	0.016	0.010	0.127	20.612
rs12434782	ebi-a-GCST90027161	14	60312009	T/C	0.776	0.224	0.015	0.012	0.201	22.397
rs7925814	ebi-a-GCST90027161	11	43118039	A/G	0.362	0.362	0.015	0.017	0.370	21.285
rs28611345	ebi-a-GCST90027161	1	19337691	A/C	0.710	0.290	0.015	0.011	0.173	30.722
rs6791982	ebi-a-GCST90027161	3	175290064	A/G	0.094	0.094	0.015	0.016	0.361	20.323
rs6958700	ebi-a-GCST90027161	7	115439353	G/A	0.708	0.292	0.015	0.011	0.176	23.275
rs721575	ebi-a-GCST90027161	17	61782920	C/T	0.444	0.444	0.015	0.010	0.145	31.408
rs4953150	ebi-a-GCST90027161	2	45157336	C/T	0.616	0.384	0.015	0.010	0.159	69.841
rs12643592	ebi-a-GCST90027161	4	11895628	T/C	0.702	0.298	0.014	0.011	0.206	27.622

rs4343305	ebi-a-GCST90027161	16	64601240	A/G	0.420	0.420	0.014	0.010	0.176	35.475
rs6548237	ebi-a-GCST90027161	2	621461	A/C	0.169	0.169	0.014	0.014	0.313	50.961
rs11150745	ebi-a-GCST90027161	17	78757626	A/G	0.692	0.308	0.014	0.011	0.219	24.124
rs77003772	ebi-a-GCST90027161	8	114299495	A/G	0.932	0.068	0.014	0.019	0.478	23.312
rs77866671	ebi-a-GCST90027161	2	62754146	C/T	0.893	0.107	0.014	0.016	0.402	23.379
rs2578697	ebi-a-GCST90027161	5	95899121	T/C	0.454	0.454	0.013	0.010	0.198	41.667
rs34382758	ebi-a-GCST90027161	12	23651019	C/A	0.873	0.127	0.013	0.015	0.400	21.472
rs12986222	ebi-a-GCST90027161	19	10962440	T/C	0.698	0.303	0.012	0.015	0.419	36.677
rs9362427	ebi-a-GCST90027161	6	88097634	G/T	0.522	0.478	0.012	0.010	0.254	23.166
rs12577283	ebi-a-GCST90027161	11	28511596	A/G	0.479	0.479	0.011	0.010	0.259	22.619
rs4655962	ebi-a-GCST90027161	1	87890016	C/T	0.630	0.370	0.011	0.011	0.318	34.367
rs9517948	ebi-a-GCST90027161	13	100650708	C/T	0.577	0.423	0.011	0.010	0.299	38.708
rs10271924	ebi-a-GCST90027161	7	153495206	C/T	0.533	0.467	0.011	0.010	0.313	35.848
rs185971522	ebi-a-GCST90027161	10	49832238	C/T	0.982	0.018	0.010	0.038	0.794	19.010
rs2425836	ebi-a-GCST90027161	20	44902046	A/G	0.616	0.384	0.010	0.011	0.343	31.682
rs7818437	ebi-a-GCST90027161	8	10209623	T/C	0.758	0.242	0.010	0.012	0.413	52.424
rs12735861	ebi-a-GCST90027161	1	1562895	C/T	0.511	0.489	0.010	0.015	0.519	19.273
rs13064579	ebi-a-GCST90027161	3	167173092	C/T	0.581	0.419	0.009	0.010	0.360	31.812
rs2922629	ebi-a-GCST90027161	14	84987635	T/G	0.379	0.379	0.009	0.011	0.370	29.567
rs12768580	ebi-a-GCST90027161	10	54440867	A/G	0.728	0.272	0.009	0.012	0.423	20.205
rs4824090	ebi-a-GCST90027161	22	50120525	G/A	0.846	0.154	0.009	0.014	0.541	20.355
rs564734588	ebi-a-GCST90027161	9	129713212	A/G	0.700	0.301	0.009	0.011	0.404	20.600
rs7982441	ebi-a-GCST90027161	13	55924013	T/C	0.259	0.259	0.009	0.012	0.458	33.578
rs10054910	ebi-a-GCST90027161	5	12295970	G/T	0.612	0.388	0.008	0.010	0.419	25.479
rs12997821	ebi-a-GCST90027161	2	23606177	A/G	0.682	0.318	0.008	0.011	0.454	21.401
rs34627141	ebi-a-GCST90027161	2	171922537	C/T	0.652	0.348	0.008	0.011	0.443	23.858
rs62179730	ebi-a-GCST90027161	2	192447043	T/C	0.690	0.310	0.008	0.011	0.468	20.071
rs34162196	ebi-a-GCST90027161	14	22038125	C/T	0.898	0.102	0.008	0.017	0.631	100.839
rs664544	ebi-a-GCST90027161	1	88716077	C/T	0.329	0.329	0.008	0.011	0.466	30.481
rs2915859	ebi-a-GCST90027161	5	166546480	C/T	0.619	0.381	0.008	0.011	0.469	30.605
rs6758494	ebi-a-GCST90027161	2	172780086	T/C	0.853	0.148	0.008	0.014	0.581	27.773
rs7869969	ebi-a-GCST90027161	9	96217447	A/G	0.649	0.351	0.008	0.011	0.474	40.457
rs13227318	ebi-a-GCST90027161	7	34470184	G/A	0.574	0.426	0.007	0.010	0.478	26.119
rs1964272	ebi-a-GCST90027161	19	46190268	G/A	0.501	0.499	0.007	0.010	0.483	61.485
rs74976306	ebi-a-GCST90027161	5	141302226	G/A	0.943	0.057	0.007	0.023	0.754	24.987
rs10422213	ebi-a-GCST90027161	19	17826804	A/G	0.430	0.430	0.007	0.010	0.505	22.061
rs62259173	ebi-a-GCST90027161	3	83911936	A/G	0.790	0.210	0.007	0.012	0.574	18.941
rs9504442	ebi-a-GCST90027161	6	5599848	A/G	0.750	0.250	0.007	0.012	0.563	22.105
rs6793328	ebi-a-GCST90027161	3	58414872	G/A	0.236	0.236	0.006	0.012	0.611	23.504
rs35590603	ebi-a-GCST90027161	9	109409300	T/G	0.744	0.256	0.006	0.012	0.634	19.324
rs2967194	ebi-a-GCST90027161	16	64283361	T/C	0.424	0.424	0.006	0.010	0.591	27.342
rs12784301	ebi-a-GCST90027161	10	107612666	A/G	0.710	0.290	0.005	0.011	0.633	37.515
rs10194882	ebi-a-GCST90027161	2	227198983	G/A	0.540	0.460	0.005	0.014	0.723	20.567
rs10863207	ebi-a-GCST90027161	16	86209154	C/T	0.685	0.315	0.005	0.011	0.673	25.771
rs1916383	ebi-a-GCST90027161	10	68674026	C/T	0.541	0.459	0.005	0.010	0.642	28.237
rs7633618	ebi-a-GCST90027161	3	148586327	C/T	0.398	0.398	0.005	0.010	0.661	25.255
rs1328600	ebi-a-GCST90027161	10	125160933	C/A	0.578	0.422	0.005	0.011	0.670	33.077
rs2765976	ebi-a-GCST90027161	10	11286049	G/A	0.346	0.346	0.005	0.011	0.691	23.164
rs8095324	ebi-a-GCST90027161	18	24131659	A/G	0.618	0.382	0.005	0.011	0.668	34.271
rs111526888	ebi-a-GCST90027161	18	57971625	A/G	0.729	0.271	0.004	0.011	0.700	66.242

rs56339039	ebi-a-GCST90027161	16	17979467	G/A	0.661	0.339	0.004	0.011	0.678	23.976
rs12196849	ebi-a-GCST90027161	6	98790797	C/A	0.644	0.356	0.004	0.011	0.684	35.828
rs567670424	ebi-a-GCST90027161	8	110834174	G/T	0.711	0.290	0.004	0.011	0.702	19.851
rs60452247	ebi-a-GCST90027161	11	63981507	G/A	0.660	0.340	0.004	0.011	0.697	41.702
rs817223	ebi-a-GCST90027161	2	104094008	T/C	0.594	0.406	0.004	0.014	0.770	40.049
rs7213000	ebi-a-GCST90027161	17	2298615	T/C	0.912	0.088	0.004	0.018	0.828	20.910
rs17225464	ebi-a-GCST90027161	20	11842579	T/C	0.678	0.323	0.004	0.011	0.728	22.560
rs4910154	ebi-a-GCST90027161	11	10553672	C/T	0.371	0.371	0.004	0.010	0.712	20.466
rs10273833	ebi-a-GCST90027161	7	49630485	A/C	0.548	0.452	0.004	0.010	0.726	25.773
rs10128597	ebi-a-GCST90027161	11	8694830	G/A	0.727	0.273	0.004	0.011	0.756	41.500
rs10249294	ebi-a-GCST90027161	7	143723137	G/A	0.649	0.351	0.004	0.011	0.749	290.028
rs10043540	ebi-a-GCST90027161	5	108443526	A/G	0.756	0.244	0.003	0.012	0.773	26.842
rs7712109	ebi-a-GCST90027161	5	108964099	G/T	0.721	0.279	0.003	0.011	0.763	26.435
rs67955951	ebi-a-GCST90027161	7	3569225	G/A	0.686	0.314	0.003	0.011	0.764	28.666
rs57824875	ebi-a-GCST90027161	4	140130524	G/A	0.721	0.279	0.003	0.011	0.819	26.217
rs7797079	ebi-a-GCST90027161	7	29808670	T/C	0.562	0.439	0.003	0.010	0.797	22.005
rs2504671	ebi-a-GCST90027161	6	51205577	C/A	0.788	0.212	0.003	0.013	0.846	106.588
rs62106258	ebi-a-GCST90027161	2	417167	T/C	0.963	0.037	0.002	0.030	0.955	59.793
rs6428020	ebi-a-GCST90027161	1	190282725	A/G	0.466	0.466	0.001	0.010	0.904	22.777
rs3011920	ebi-a-GCST90027161	6	69152915	G/A	0.367	0.367	0.001	0.011	0.922	20.784
rs4860400	ebi-a-GCST90027161	4	62080433	C/T	0.569	0.431	0.001	0.010	0.944	24.379
rs826596	ebi-a-GCST90027161	8	59926199	G/A	0.311	0.311	0.001	0.011	0.949	31.754
rs7554485	ebi-a-GCST90027161	1	65945906	T/C	0.439	0.439	0.000	0.010	0.967	43.087
rs2333321	ebi-a-GCST90027161	4	176859992	A/G	0.203	0.203	0.000	0.013	0.996	19.288
rs739320	ebi-a-GCST90027161	19	49261368	T/C	0.355	0.355	0.000	0.011	0.991	65.108
rs4853984	ebi-a-GCST90027161	2	241191816	G/A	0.654	0.346	0.000	0.011	0.984	23.818
rs3775134	ebi-a-GCST90027161	4	859557	A/G	0.345	0.345	0.000	0.011	0.974	20.057
rs1518347	ebi-a-GCST90027161	3	116309491	A/G	0.570	0.431	0.000	0.010	0.966	22.053
rs17034015	ebi-a-GCST90027161	3	3653147	G/A	0.701	0.299	-0.001	0.011	0.940	24.166
rs4587161	ebi-a-GCST90027161	6	53741885	G/A	0.391	0.391	-0.001	0.010	0.935	24.064
rs216458	ebi-a-GCST90027161	17	28893028	G/A	0.177	0.177	-0.001	0.013	0.932	20.718
rs2667012	ebi-a-GCST90027161	2	160867553	C/A	0.380	0.380	-0.001	0.011	0.909	20.537
rs296015	ebi-a-GCST90027161	2	123623941	C/A	0.491	0.491	-0.001	0.010	0.909	23.179
rs1507010	ebi-a-GCST90027161	16	7657373	A/G	0.486	0.486	-0.001	0.010	0.895	27.175
rs10192394	ebi-a-GCST90027161	2	146298007	C/T	0.413	0.413	-0.001	0.011	0.891	40.772
rs769449	ebi-a-GCST90027161	19	45410002	G/A	0.868	0.132	-0.001	0.015	0.926	41.151
rs2003506	ebi-a-GCST90027161	7	104761741	A/G	0.657	0.343	-0.002	0.011	0.888	20.268
rs17754910	ebi-a-GCST90027161	6	112263731	G/A	0.875	0.125	-0.002	0.017	0.922	21.123
rs34890080	ebi-a-GCST90027161	8	61921234	A/G	0.855	0.145	-0.002	0.014	0.901	26.812
rs58143069	ebi-a-GCST90027161	17	1278627	G/A	0.927	0.073	-0.002	0.020	0.927	21.583
rs11786672	ebi-a-GCST90027161	8	22630109	G/A	0.227	0.227	-0.002	0.012	0.875	26.058
rs16835705	ebi-a-GCST90027161	1	237908911	G/A	0.727	0.273	-0.002	0.011	0.869	20.318
rs1670455	ebi-a-GCST90027161	11	77011269	A/G	0.678	0.322	-0.002	0.011	0.845	22.350
rs12514211	ebi-a-GCST90027161	5	164502965	A/G	0.779	0.221	-0.002	0.013	0.849	21.092
rs1827913	ebi-a-GCST90027161	1	71769699	G/A	0.379	0.379	-0.002	0.010	0.817	31.096
rs6961517	ebi-a-GCST90027161	7	133130940	G/T	0.717	0.283	-0.003	0.011	0.810	38.723
rs7424376	ebi-a-GCST90027161	2	69525923	A/G	0.408	0.408	-0.003	0.010	0.785	19.719
rs140132217	ebi-a-GCST90027161	12	11616178	T/C	0.867	0.133	-0.003	0.015	0.848	18.859
rs72833029	ebi-a-GCST90027161	2	122660535	C/T	0.753	0.247	-0.003	0.012	0.787	26.952
rs11169924	ebi-a-GCST90027161	12	52233152	T/G	0.350	0.350	-0.003	0.011	0.749	20.091

rs2472297	ebi-a-GCST90027161	15	75027880	C/T	0.740	0.261	-0.003	0.012	0.765	44.868
rs4742122	ebi-a-GCST90027161	9	5749305	G/A	0.721	0.279	-0.003	0.011	0.759	26.172
rs2432801	ebi-a-GCST90027161	6	5473964	G/A	0.742	0.258	-0.004	0.012	0.748	31.108
rs2326319	ebi-a-GCST90027161	3	85597135	G/A	0.316	0.316	-0.004	0.011	0.716	46.711
rs4714634	ebi-a-GCST90027161	6	42901120	G/A	0.577	0.423	-0.005	0.010	0.658	21.697
rs589721	ebi-a-GCST90027161	11	132387460	T/C	0.456	0.456	-0.005	0.010	0.639	20.672
rs8045829	ebi-a-GCST90027161	16	19271032	T/G	0.372	0.372	-0.005	0.011	0.646	37.339
rs329274	ebi-a-GCST90027161	7	35078743	A/G	0.508	0.492	-0.006	0.010	0.589	50.249
rs10746850	ebi-a-GCST90027161	9	73183281	G/A	0.448	0.448	-0.006	0.010	0.575	25.087
rs10438964	ebi-a-GCST90027161	18	42950629	C/T	0.737	0.263	-0.006	0.012	0.597	21.765
rs12652611	ebi-a-GCST90027161	5	51365462	T/G	0.852	0.148	-0.006	0.015	0.672	27.251
rs4771132	ebi-a-GCST90027161	13	28065687	G/A	0.739	0.261	-0.007	0.012	0.579	27.467
rs13262297	ebi-a-GCST90027161	8	853982	C/T	0.910	0.090	-0.007	0.018	0.715	20.226
rs13220759	ebi-a-GCST90027161	6	165392234	C/T	0.535	0.465	-0.007	0.010	0.507	23.476
rs3809140	ebi-a-GCST90027161	12	26278444	A/G	0.236	0.236	-0.007	0.012	0.580	18.613
rs9284885	ebi-a-GCST90027161	3	48883100	A/C	0.231	0.231	-0.007	0.012	0.567	22.051
rs2396198	ebi-a-GCST90027161	7	109666709	A/G	0.435	0.435	-0.008	0.010	0.461	21.503
rs9635715	ebi-a-GCST90027161	17	42517354	T/C	0.603	0.397	-0.008	0.011	0.475	31.861
rs13411814	ebi-a-GCST90027161	2	2399524	G/A	0.887	0.113	-0.008	0.016	0.622	19.404
rs76096042	ebi-a-GCST90027161	5	104263274	A/G	0.851	0.149	-0.008	0.014	0.575	20.326
rs327816	ebi-a-GCST90027161	5	125293366	T/C	0.486	0.486	-0.008	0.010	0.436	21.164
rs2370982	ebi-a-GCST90027161	14	79890677	C/T	0.774	0.226	-0.008	0.012	0.493	71.241
rs7795895	ebi-a-GCST90027161	7	94478393	A/G	0.454	0.454	-0.008	0.010	0.422	27.711
rs10064431	ebi-a-GCST90027161	5	92950673	T/C	0.486	0.486	-0.009	0.010	0.398	33.731
rs62178851	ebi-a-GCST90027161	2	181986271	A/G	0.926	0.074	-0.009	0.021	0.684	20.927
rs8131294	ebi-a-GCST90027161	21	36967704	C/A	0.148	0.148	-0.009	0.015	0.531	21.310
rs629769	ebi-a-GCST90027161	13	32987186	A/G	0.157	0.157	-0.010	0.015	0.515	22.307
rs7647305	ebi-a-GCST90027161	3	185834290	T/C	0.200	0.200	-0.010	0.013	0.447	37.994
rs144277946	ebi-a-GCST90027161	6	120120386	C/T	0.978	0.022	-0.010	0.036	0.772	21.244
rs17078928	ebi-a-GCST90027161	18	66013818	C/A	0.837	0.163	-0.011	0.014	0.430	24.484
rs10013628	ebi-a-GCST90027161	4	16886183	G/T	0.393	0.393	-0.011	0.011	0.280	31.918
rs4492610	ebi-a-GCST90027161	1	155328396	G/A	0.733	0.267	-0.011	0.012	0.322	27.215
rs3811795	ebi-a-GCST90027161	4	152682403	A/G	0.966	0.034	-0.012	0.029	0.685	19.758
rs13216375	ebi-a-GCST90027161	6	77966313	C/A	0.801	0.199	-0.013	0.017	0.464	29.077
rs17089545	ebi-a-GCST90027161	13	73150020	C/A	0.857	0.143	-0.013	0.015	0.403	20.774
rs7849142	ebi-a-GCST90027161	9	1772605	G/T	0.706	0.294	-0.013	0.015	0.379	43.757
rs76076331	ebi-a-GCST90027161	2	10977585	C/T	0.834	0.166	-0.013	0.013	0.301	28.800
rs4475007	ebi-a-GCST90027161	3	57186159	A/G	0.745	0.255	-0.013	0.012	0.254	21.053
rs6868457	ebi-a-GCST90027161	5	60550041	T/C	0.521	0.479	-0.014	0.010	0.170	43.445
rs10875610	ebi-a-GCST90027161	5	144461473	A/G	0.339	0.339	-0.014	0.011	0.191	21.358
rs4846828	ebi-a-GCST90027161	1	217429631	G/A	0.375	0.375	-0.014	0.010	0.179	22.782
rs2539706	ebi-a-GCST90027161	2	59819545	G/A	0.465	0.465	-0.015	0.010	0.142	19.665
rs61421373	ebi-a-GCST90027161	1	204560440	C/T	0.765	0.235	-0.015	0.012	0.191	39.567
rs6809836	ebi-a-GCST90027161	3	70940892	G/A	0.699	0.301	-0.016	0.011	0.152	21.314
rs2609858	ebi-a-GCST90027161	3	146262021	G/A	0.817	0.183	-0.016	0.013	0.217	19.196
rs10504754	ebi-a-GCST90027161	8	83252586	G/A	0.580	0.420	-0.017	0.010	0.100	30.783
rs78157989	ebi-a-GCST90027161	4	27294016	C/T	0.902	0.098	-0.017	0.017	0.332	21.436
rs11581076	ebi-a-GCST90027161	1	234725135	C/T	0.491	0.491	-0.017	0.010	0.095	30.344
rs7093561	ebi-a-GCST90027161	10	119579355	G/A	0.880	0.120	-0.017	0.016	0.291	30.235
rs62300963	ebi-a-GCST90027161	4	60052810	C/A	0.514	0.486	-0.018	0.015	0.252	45.524

rs34295985	ebi-a-GCST90027161	3	127207166	T/C	0.186	0.186	-0.018	0.013	0.170	23.956
rs12031188	ebi-a-GCST90027161	1	51103268	T/C	0.617	0.383	-0.018	0.010	0.083	26.691
rs1460255	ebi-a-GCST90027161	2	57978858	T/C	0.360	0.360	-0.019	0.010	0.075	34.652
rs10253861	ebi-a-GCST90027161	7	8110475	G/A	0.482	0.482	-0.020	0.010	0.048	20.419
rs9636874	ebi-a-GCST90027161	21	35572727	T/C	0.203	0.203	-0.020	0.013	0.118	21.049
rs17811233	ebi-a-GCST90027161	11	75883003	C/T	0.904	0.096	-0.024	0.018	0.180	19.403
rs115067791	ebi-a-GCST90027161	2	207033306	G/A	0.951	0.049	-0.027	0.025	0.278	36.526
rs12933575	ebi-a-GCST90027161	16	30022564	A/G	0.554	0.446	-0.028	0.010	0.007	39.950
rs4870866	ebi-a-GCST90027161	8	124761727	C/T	0.892	0.108	-0.030	0.016	0.065	23.776
rs862227	ebi-a-GCST90027161	16	73602926	A/G	0.544	0.456	-0.033	0.010	0.001	72.012
rs802306	ebi-a-GCST90027161	6	124552893	A/G	0.946	0.054	-0.057	0.023	0.014	26.141
rs79927331	ebi-a-GCST90027161	6	152086488	A/C	0.974	0.026	-0.067	0.034	0.045	23.088

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rs4434807	ebi-a-GCST90027161	1	73401801	T/C	0.030	0.030	0.033	0.035	0.348	22.157
rs9912348	ebi-a-GCST90027161	17	79959669	C/T	0.312	0.312	0.032	0.012	0.005	19.622
rs17551690	ebi-a-GCST90027161	2	12261370	C/T	0.855	0.145	0.023	0.014	0.101	21.269
rs72800419	ebi-a-GCST90027161	10	29472437	G/T	0.936	0.064	0.020	0.025	0.413	19.595
rs10772892	ebi-a-GCST90027161	12	16214612	T/G	0.289	0.289	0.016	0.011	0.164	21.999
rs76052027	ebi-a-GCST90027161	7	106383042	T/C	0.973	0.027	0.015	0.036	0.668	23.098
rs56370300	ebi-a-GCST90027161	21	42561705	A/G	0.892	0.108	0.015	0.016	0.369	21.277
rs4872499	ebi-a-GCST90027161	8	22293306	C/T	0.770	0.230	0.013	0.012	0.275	20.760
rs55969935	ebi-a-GCST90027161	11	66646365	C/T	0.906	0.094	0.013	0.017	0.467	24.172
rs10882743	ebi-a-GCST90027161	10	97961748	G/A	0.712	0.288	0.012	0.011	0.296	20.867
rs10964281	ebi-a-GCST90027161	9	19777649	T/C	0.958	0.042	0.011	0.026	0.657	20.376
rs6736835	ebi-a-GCST90027161	2	12596529	C/A	0.946	0.054	0.009	0.026	0.718	19.673
rs41499647	ebi-a-GCST90027161	3	50525154	C/T	0.799	0.201	0.005	0.013	0.721	21.453
rs115210294	ebi-a-GCST90027161	2	145781240	G/A	0.981	0.019	0.004	0.040	0.921	24.396
rs10521174	ebi-a-GCST90027161	16	49050726	C/T	0.883	0.117	0.003	0.016	0.831	21.882
rs13107325	ebi-a-GCST90027161	4	103188709	C/T	0.951	0.049	0.002	0.029	0.934	71.496
rs28472599	ebi-a-GCST90027161	5	66514625	A/G	0.962	0.038	0.002	0.028	0.938	23.382
rs118108214	ebi-a-GCST90027161	12	51772777	C/T	0.986	0.015	0.002	0.046	0.971	21.740
rs1186821	ebi-a-GCST90027161	16	54597908	C/T	0.730	0.270	0.001	0.012	0.935	22.673
rs73160144	ebi-a-GCST90027161	12	73762061	T/C	0.745	0.255	-0.002	0.012	0.896	19.450
rs73492933	ebi-a-GCST90027161	18	53044948	G/A	0.967	0.033	-0.002	0.030	0.941	22.780
rs2356199	ebi-a-GCST90027161	6	157416588	T/G	0.835	0.165	-0.002	0.014	0.862	27.419
rs62501397	ebi-a-GCST90027161	8	50938762	C/T	0.837	0.163	-0.004	0.014	0.774	21.071
rs4891583	ebi-a-GCST90027161	18	64544180	C/T	0.760	0.240	-0.007	0.012	0.582	20.631
rs6574833	ebi-a-GCST90027161	14	86037208	C/A	0.487	0.487	-0.012	0.010	0.249	20.973
rs3129152	ebi-a-GCST90027161	6	29138777	A/C	0.795	0.205	-0.016	0.013	0.242	23.498
rs35159510	ebi-a-GCST90027161	5	103624925	A/G	0.925	0.075	-0.018	0.018	0.335	19.923
rs11872570	ebi-a-GCST90027161	18	74090077	G/A	0.949	0.051	-0.019	0.027	0.485	21.610
rs56285315	ebi-a-GCST90027161	9	17421060	A/G	0.965	0.035	-0.020	0.031	0.518	19.875
rs2425052	ebi-a-GCST90027161	20	33880729	A/C	0.542	0.459	-0.023	0.010	0.025	23.964
rs12411974	ebi-a-GCST90027161	10	65546264	A/G	0.873	0.127	-0.025	0.014	0.076	20.614
rs57603836	ebi-a-GCST90027161	17	13115504	T/G	0.954	0.046	-0.047	0.023	0.042	20.994
rs17458575	ebi-a-GCST90027161	15	76590337	T/C	0.990	0.010	-0.110	0.071	0.120	23.408

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rs141934869	ebi-a-GCST90027161	8	27775477	G/T	0.992	0.008	0.095	0.065	0.144	24.322
rs141407174	ebi-a-GCST90027161	7	103178027	C/T	0.984	0.016	0.077	0.039	0.048	22.580
rs114114265	ebi-a-GCST90027161	2	79806712	G/A	0.960	0.040	0.068	0.027	0.012	19.609

rs77431173	ebi-a-GCST90027161	7	14742864	T/C	0.979	0.021	0.052	0.045	0.246	27.146
rs78621251	ebi-a-GCST90027161	18	63348042	A/G	0.974	0.027	0.041	0.036	0.247	28.508
rs17203687	ebi-a-GCST90027161	3	127684748	C/T	0.921	0.079	0.040	0.024	0.105	20.586
rs142325173	ebi-a-GCST90027161	12	18822872	G/A	0.983	0.017	0.036	0.040	0.373	21.598
rs114244865	ebi-a-GCST90027161	4	129967492	C/T	0.968	0.033	0.033	0.027	0.227	27.605
rs111299612	ebi-a-GCST90027161	18	25461937	G/A	0.970	0.030	0.031	0.031	0.321	20.795
rs12643496	ebi-a-GCST90027161	4	172492327	G/A	0.127	0.127	0.030	0.016	0.071	23.522
rs76218094	ebi-a-GCST90027161	2	176215906	A/G	0.928	0.072	0.028	0.022	0.198	25.687
rs8073904	ebi-a-GCST90027161	17	79095144	G/A	0.140	0.140	0.028	0.015	0.058	24.538
rs13262595	ebi-a-GCST90027161	8	143316970	A/G	0.425	0.425	0.027	0.010	0.008	36.221
rs673696	ebi-a-GCST90027161	11	31097262	C/T	0.921	0.079	0.023	0.019	0.221	31.739
rs114210747	ebi-a-GCST90027161	5	144214142	C/T	0.930	0.070	0.023	0.021	0.283	27.954
rs77437455	ebi-a-GCST90027161	3	174900715	A/G	0.952	0.048	0.023	0.025	0.367	19.823
rs376286858	ebi-a-GCST90027161	5	46341390	A/C	0.888	0.112	0.022	0.016	0.159	22.959
rs10753761	ebi-a-GCST90027161	1	167584973	A/G	0.160	0.160	0.022	0.014	0.129	20.338
rs12154057	ebi-a-GCST90027161	6	161867419	A/C	0.628	0.372	0.021	0.011	0.052	22.525
rs7204652	ebi-a-GCST90027161	16	5675613	T/C	0.798	0.203	0.021	0.013	0.095	38.707
rs62398404	ebi-a-GCST90027161	6	37669616	C/T	0.865	0.135	0.019	0.014	0.176	26.526
rs1711171	ebi-a-GCST90027161	3	136020541	T/C	0.208	0.208	0.017	0.013	0.206	31.945
rs61995216	ebi-a-GCST90027161	14	80103620	A/G	0.928	0.072	0.017	0.019	0.365	23.252
rs62266239	ebi-a-GCST90027161	3	116750431	C/T	0.865	0.135	0.016	0.015	0.285	31.621
rs2568712	ebi-a-GCST90027161	11	91407305	T/G	0.503	0.497	0.015	0.015	0.293	26.788
rs75210106	ebi-a-GCST90027161	2	113246436	C/T	0.772	0.229	0.015	0.012	0.208	20.244
rs1370239	ebi-a-GCST90027161	16	64291189	A/G	0.449	0.449	0.013	0.010	0.195	24.957
rs72973055	ebi-a-GCST90027161	19	3353494	G/A	0.780	0.220	0.012	0.013	0.339	28.515
rs6829572	ebi-a-GCST90027161	4	93984155	G/A	0.586	0.414	0.012	0.010	0.256	31.349
rs7628382	ebi-a-GCST90027161	3	70641810	A/G	0.579	0.421	0.012	0.010	0.253	22.690
rs7812804	ebi-a-GCST90027161	8	59791586	C/T	0.750	0.250	0.012	0.012	0.311	20.685
rs79752907	ebi-a-GCST90027161	2	237010723	C/T	0.533	0.467	0.011	0.011	0.277	19.952
rs34722489	ebi-a-GCST90027161	5	127856954	C/A	0.781	0.219	0.010	0.013	0.414	19.340
rs4837943	ebi-a-GCST90027161	9	124882085	C/T	0.763	0.237	0.010	0.012	0.379	19.908
rs28742222	ebi-a-GCST90027161	7	40176752	G/T	0.580	0.420	0.010	0.010	0.321	22.104
rs2439945	ebi-a-GCST90027161	17	5124462	C/T	0.813	0.187	0.010	0.013	0.443	22.216
rs6845321	ebi-a-GCST90027161	4	113595869	C/T	0.691	0.309	0.010	0.011	0.371	19.870
rs74697766	ebi-a-GCST90027161	4	105732919	T/C	0.919	0.081	0.010	0.019	0.618	19.820
rs13147920	ebi-a-GCST90027161	4	181245804	C/T	0.610	0.390	0.009	0.010	0.378	23.379
rs2426605	ebi-a-GCST90027161	20	54869080	A/C	0.663	0.337	0.009	0.011	0.398	21.951
rs3000677	ebi-a-GCST90027161	13	21298026	G/A	0.134	0.134	0.009	0.016	0.560	20.978
rs11039028	ebi-a-GCST90027161	11	46944196	G/A	0.740	0.261	0.008	0.011	0.480	23.725
rs79644827	ebi-a-GCST90027161	8	84739529	G/A	0.975	0.026	0.007	0.034	0.829	23.578
rs9936121	ebi-a-GCST90027161	16	76123518	T/G	0.643	0.357	0.007	0.010	0.492	24.111
rs17573452	ebi-a-GCST90027161	12	60224839	C/T	0.797	0.203	0.007	0.012	0.585	27.214
rs136548	ebi-a-GCST90027161	22	27253353	C/T	0.592	0.408	0.006	0.010	0.556	33.768
rs74629965	ebi-a-GCST90027161	6	51185853	T/G	0.923	0.077	0.006	0.018	0.748	28.841
rs6960970	ebi-a-GCST90027161	7	14207740	T/C	0.182	0.182	0.006	0.014	0.687	20.913
rs2222760	ebi-a-GCST90027161	2	151345113	G/A	0.741	0.259	0.006	0.012	0.642	36.656
rs7015	ebi-a-GCST90027161	7	97920623	A/G	0.173	0.173	0.006	0.014	0.689	20.665
rs138067	ebi-a-GCST90027161	22	44227556	A/G	0.562	0.438	0.005	0.010	0.634	22.798
rs10276580	ebi-a-GCST90027161	7	11772539	T/G	0.260	0.260	0.004	0.012	0.742	23.545
rs224064	ebi-a-GCST90027161	10	64504212	T/C	0.407	0.407	0.004	0.010	0.707	24.795

rs142036050	ebi-a-GCST90027161	14	33729481	T/C	0.985	0.015	0.004	0.043	0.932	23.457
rs742359	ebi-a-GCST90027161	1	1715011	C/A	0.739	0.261	0.004	0.012	0.766	22.904
rs9868223	ebi-a-GCST90027161	3	81724327	C/T	0.842	0.158	0.003	0.014	0.825	27.510
rs34121855	ebi-a-GCST90027161	7	73040814	T/G	0.808	0.193	0.002	0.013	0.854	38.189
rs62107261	ebi-a-GCST90027161	2	422144	T/C	0.964	0.037	0.002	0.030	0.939	31.903
rs12494242	ebi-a-GCST90027161	3	85413180	T/C	0.696	0.304	0.002	0.011	0.870	19.701
rs1504708	ebi-a-GCST90027161	11	99252012	A/G	0.501	0.499	0.002	0.010	0.882	20.060
rs35783535	ebi-a-GCST90027161	2	98623227	G/A	0.538	0.462	0.002	0.010	0.882	20.573
rs12996547	ebi-a-GCST90027161	2	602036	C/T	0.631	0.369	0.001	0.011	0.916	21.351
rs72759867	ebi-a-GCST90027161	1	243578188	T/C	0.905	0.095	0.001	0.017	0.946	27.249
rs57318525	ebi-a-GCST90027161	6	104614058	A/C	0.556	0.444	0.001	0.010	0.924	21.548
rs62169335	ebi-a-GCST90027161	2	147946069	C/T	0.478	0.478	0.001	0.010	0.949	29.062
rs2174239	ebi-a-GCST90027161	14	93885496	T/C	0.159	0.159	0.000	0.014	0.996	21.143
rs12232839	ebi-a-GCST90027161	19	34090242	T/G	0.103	0.103	-0.001	0.017	0.941	21.229
rs11231296	ebi-a-GCST90027161	11	62758580	T/C	0.774	0.226	-0.001	0.012	0.909	22.290
rs2726033	ebi-a-GCST90027161	16	28338039	A/G	0.543	0.457	-0.002	0.010	0.866	37.449
rs13002164	ebi-a-GCST90027161	2	56680788	C/T	0.949	0.051	-0.002	0.025	0.941	22.241
rs2028935	ebi-a-GCST90027161	5	19607413	A/C	0.529	0.472	-0.002	0.010	0.854	21.883
rs2938609	ebi-a-GCST90027161	6	39700434	G/A	0.587	0.413	-0.002	0.010	0.841	21.363
rs795437	ebi-a-GCST90027161	3	30804170	T/C	0.572	0.428	-0.002	0.010	0.836	20.054
rs184406487	ebi-a-GCST90027161	1	198791227	C/T	0.978	0.022	-0.002	0.037	0.953	20.179
rs16926787	ebi-a-GCST90027161	9	126506289	G/T	0.891	0.109	-0.003	0.015	0.871	21.298
rs276447	ebi-a-GCST90027161	9	15581302	C/T	0.513	0.487	-0.003	0.010	0.803	77.627
rs28533070	ebi-a-GCST90027161	15	97177443	G/A	0.874	0.126	-0.003	0.014	0.839	31.584
rs12355804	ebi-a-GCST90027161	10	3535854	C/T	0.925	0.075	-0.003	0.019	0.871	24.055
rs3909727	ebi-a-GCST90027161	11	126587382	A/G	0.160	0.160	-0.003	0.014	0.819	36.536
rs3810818	ebi-a-GCST90027161	16	4432029	A/C	0.224	0.224	-0.004	0.013	0.779	26.319
rs9590216	ebi-a-GCST90027161	13	95905305	T/C	0.828	0.172	-0.004	0.013	0.768	20.505
rs11633261	ebi-a-GCST90027161	15	25251310	G/T	0.550	0.450	-0.004	0.011	0.676	22.266
rs2678900	ebi-a-GCST90027161	2	58177683	T/G	0.586	0.414	-0.004	0.010	0.670	51.716
rs6897617	ebi-a-GCST90027161	5	173301982	G/A	0.667	0.333	-0.005	0.011	0.670	22.000
rs11772832	ebi-a-GCST90027161	7	135073047	T/C	0.612	0.388	-0.005	0.011	0.642	26.000
rs4936119	ebi-a-GCST90027161	11	112486568	C/A	0.766	0.234	-0.005	0.012	0.692	26.834
rs72952553	ebi-a-GCST90027161	2	217481516	G/A	0.724	0.276	-0.006	0.012	0.619	21.726
rs963778	ebi-a-GCST90027161	14	27009199	A/C	0.770	0.230	-0.006	0.012	0.604	20.608
rs7199285	ebi-a-GCST90027161	16	19980931	C/T	0.820	0.180	-0.007	0.013	0.599	22.392
rs9829222	ebi-a-GCST90027161	3	175671153	C/T	0.742	0.258	-0.007	0.012	0.529	30.981
rs56389750	ebi-a-GCST90027161	3	62399917	C/T	0.714	0.286	-0.008	0.011	0.489	31.074
rs17107024	ebi-a-GCST90027161	14	69961658	T/C	0.877	0.123	-0.008	0.016	0.610	23.746
rs1958801	ebi-a-GCST90027161	14	98872110	A/G	0.739	0.261	-0.008	0.012	0.501	27.583
rs10500285	ebi-a-GCST90027161	19	42672760	C/T	0.908	0.092	-0.008	0.019	0.666	21.620
rs9297663	ebi-a-GCST90027161	8	123728686	A/G	0.806	0.194	-0.008	0.013	0.515	20.544
rs1967840	ebi-a-GCST90027161	10	112026082	A/G	0.822	0.178	-0.009	0.013	0.512	23.049
rs4742644	ebi-a-GCST90027161	9	9959413	T/C	0.728	0.272	-0.009	0.011	0.411	22.777
rs62266118	ebi-a-GCST90027161	3	115124821	A/G	0.784	0.216	-0.009	0.012	0.450	20.670
rs78351874	ebi-a-GCST90027161	2	200472560	C/T	0.866	0.134	-0.010	0.014	0.493	26.625
rs11023757	ebi-a-GCST90027161	11	15902219	T/C	0.717	0.283	-0.010	0.011	0.358	20.241
rs2490323	ebi-a-GCST90027161	1	65985736	C/T	0.857	0.143	-0.010	0.015	0.494	20.871
rs2096352	ebi-a-GCST90027161	10	92439106	T/G	0.589	0.411	-0.012	0.010	0.233	22.192
rs3964074	ebi-a-GCST90027161	16	74166991	T/C	0.443	0.443	-0.012	0.010	0.226	32.094

rs660880	ebi-a-GCST90027161	1	6866978	G/A	0.499	0.499	-0.013	0.010	0.210	42.910
rs7208329	ebi-a-GCST90027161	17	33128801	C/T	0.977	0.023	-0.013	0.036	0.722	21.783
rs1193333	ebi-a-GCST90027161	7	127609301	A/G	0.398	0.398	-0.014	0.010	0.185	29.915
rs11743441	ebi-a-GCST90027161	5	88065637	G/T	0.421	0.421	-0.015	0.010	0.151	29.279
rs9372122	ebi-a-GCST90027161	6	106742454	G/A	0.544	0.456	-0.016	0.010	0.124	20.350
rs12051465	ebi-a-GCST90027161	16	49551403	G/T	0.765	0.235	-0.017	0.012	0.164	21.281
rs17547360	ebi-a-GCST90027161	12	30169738	T/C	0.754	0.246	-0.017	0.012	0.154	19.871
rs11090045	ebi-a-GCST90027161	22	41753603	G/A	0.689	0.311	-0.018	0.011	0.113	39.113
rs942038	ebi-a-GCST90027161	13	112682875	A/G	0.327	0.327	-0.018	0.011	0.109	21.212
rs6889815	ebi-a-GCST90027161	5	25302404	A/C	0.874	0.126	-0.019	0.015	0.215	19.465
rs2643174	ebi-a-GCST90027161	3	164393607	G/A	0.799	0.201	-0.019	0.012	0.113	19.612
rs12658015	ebi-a-GCST90027161	5	164493306	A/G	0.345	0.345	-0.022	0.011	0.042	36.443
rs61836106	ebi-a-GCST90027161	10	2639003	G/A	0.909	0.091	-0.022	0.019	0.251	27.000
rs12588402	ebi-a-GCST90027161	14	29738282	A/G	0.409	0.409	-0.023	0.010	0.024	22.932
rs11100930	ebi-a-GCST90027161	4	147591808	G/A	0.128	0.128	-0.024	0.015	0.124	27.384
rs1458820	ebi-a-GCST90027161	4	55990353	G/A	0.054	0.054	-0.024	0.024	0.318	24.169
rs4486004	ebi-a-GCST90027161	6	26167710	G/T	0.770	0.230	-0.029	0.012	0.014	22.893
rs77529617	ebi-a-GCST90027161	17	16502271	C/T	0.881	0.119	-0.029	0.016	0.067	31.223
rs9653713	ebi-a-GCST90027161	21	35219643	C/A	0.992	0.008	-0.144	0.086	0.096	20.099
rs190489703	ebi-a-GCST90027161	12	53745262	A/G	0.990	0.011	-0.162	0.055	0.003	20.399

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rs7958413	ebi-a-GCST90027161	12	57350194	A/C	0.929	0.071	0.053	0.022	0.016	20.098
rs1420116	ebi-a-GCST90027161	7	29628434	T/C	0.039	0.039	0.033	0.026	0.204	20.432
rs8065120	ebi-a-GCST90027161	17	55738649	G/A	0.877	0.123	0.032	0.016	0.044	19.600
rs8050320	ebi-a-GCST90027161	16	20520527	G/A	0.887	0.114	0.031	0.016	0.051	20.701
rs2619676	ebi-a-GCST90027161	14	81192479	A/G	0.703	0.297	0.025	0.012	0.033	20.372
rs7016572	ebi-a-GCST90027161	8	68724880	C/T	0.872	0.128	0.022	0.016	0.164	25.094
rs7557983	ebi-a-GCST90027161	2	68591711	C/T	0.723	0.277	0.018	0.011	0.106	20.115
rs1700099	ebi-a-GCST90027161	8	4104893	A/G	0.244	0.244	0.015	0.012	0.197	20.409
rs115853505	ebi-a-GCST90027161	1	87368653	C/T	0.936	0.064	0.012	0.021	0.557	21.773
rs34045187	ebi-a-GCST90027161	13	55798912	C/T	0.725	0.275	0.010	0.012	0.375	29.032
rs151207429	ebi-a-GCST90027161	1	5806423	C/A	0.990	0.010	0.009	0.057	0.879	22.783
rs113690218	ebi-a-GCST90027161	7	56465237	G/T	0.899	0.101	0.007	0.019	0.692	20.096
rs12816397	ebi-a-GCST90027161	12	121271706	A/G	0.947	0.053	0.003	0.024	0.889	21.882
rs4783216	ebi-a-GCST90027161	16	82577739	G/A	0.364	0.364	0.003	0.010	0.749	21.517
rs6754311	ebi-a-GCST90027161	2	136707982	T/C	0.655	0.345	0.002	0.011	0.829	40.377
rs11083174	ebi-a-GCST90027161	18	24107631	C/T	0.746	0.254	0.001	0.012	0.940	22.752
rs7013121	ebi-a-GCST90027161	8	143458833	C/A	0.812	0.188	-0.001	0.014	0.943	25.223
rs8614	ebi-a-GCST90027161	17	27588806	C/A	0.838	0.162	-0.004	0.015	0.812	20.274
rs72731943	ebi-a-GCST90027161	15	57426901	A/G	0.923	0.077	-0.004	0.020	0.833	30.148
rs152286	ebi-a-GCST90027161	5	94193334	G/A	0.137	0.137	-0.007	0.015	0.623	20.867
rs9542208	ebi-a-GCST90027161	13	70764208	T/C	0.963	0.037	-0.015	0.028	0.593	21.702
rs11075922	ebi-a-GCST90027161	16	72157718	C/T	0.587	0.413	-0.016	0.010	0.114	20.430
rs6876451	ebi-a-GCST90027161	5	153103297	C/T	0.625	0.375	-0.019	0.014	0.172	31.958
rs62229785	ebi-a-GCST90027161	20	50096908	T/C	0.968	0.032	-0.022	0.024	0.366	20.089
rs6535246	ebi-a-GCST90027161	4	82343242	A/G	0.953	0.047	-0.036	0.023	0.125	21.475

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rs7958413	ebi-a-GCST90027161	12	57350194	A/C	0.929	0.071	0.053	0.022	0.016	19.821
rs1420116	ebi-a-GCST90027161	7	29628434	T/C	0.039	0.039	0.033	0.026	0.204	20.815
rs112260932	ebi-a-GCST90027161	17	38077185	T/C	0.955	0.045	0.033	0.023	0.157	20.758

rs8065120	ebi-a-GCST90027161	17	55738649	G/A	0.877	0.123	0.032	0.016	0.044	19.921
rs8050320	ebi-a-GCST90027161	16	20520527	G/A	0.887	0.114	0.031	0.016	0.051	21.286
rs2619676	ebi-a-GCST90027161	14	81192479	A/G	0.703	0.297	0.025	0.012	0.033	20.257
rs7016572	ebi-a-GCST90027161	8	68724880	C/T	0.872	0.128	0.022	0.016	0.164	24.053
rs7557983	ebi-a-GCST90027161	2	68591711	C/T	0.723	0.277	0.018	0.011	0.106	19.680
rs1700099	ebi-a-GCST90027161	8	4104893	A/G	0.244	0.244	0.015	0.012	0.197	20.059
rs115853505	ebi-a-GCST90027161	1	87368653	C/T	0.936	0.064	0.012	0.021	0.557	21.954
rs34045187	ebi-a-GCST90027161	13	55798912	C/T	0.725	0.275	0.010	0.012	0.375	28.342
rs151207429	ebi-a-GCST90027161	1	5806423	C/A	0.990	0.010	0.009	0.057	0.879	22.587
rs113690218	ebi-a-GCST90027161	7	56465237	G/T	0.899	0.101	0.007	0.019	0.692	20.891
rs4783216	ebi-a-GCST90027161	16	82577739	G/A	0.364	0.364	0.003	0.010	0.749	20.822
rs6754311	ebi-a-GCST90027161	2	136707982	T/C	0.655	0.345	0.002	0.011	0.829	42.026
rs11083174	ebi-a-GCST90027161	18	24107631	C/T	0.746	0.254	0.001	0.012	0.940	22.931
rs7013121	ebi-a-GCST90027161	8	143458833	C/A	0.812	0.188	-0.001	0.014	0.943	25.664
rs8614	ebi-a-GCST90027161	17	27588806	C/A	0.838	0.162	-0.004	0.015	0.812	20.119
rs72731943	ebi-a-GCST90027161	15	57426901	A/G	0.923	0.077	-0.004	0.020	0.833	30.379
rs7183096	ebi-a-GCST90027161	15	87208203	A/C	0.667	0.333	-0.005	0.011	0.615	19.684
rs9542208	ebi-a-GCST90027161	13	70764208	T/C	0.963	0.037	-0.015	0.028	0.593	21.408
rs11075922	ebi-a-GCST90027161	16	72157718	C/T	0.587	0.413	-0.016	0.010	0.114	20.984
rs62229785	ebi-a-GCST90027161	20	50096908	T/C	0.968	0.032	-0.022	0.024	0.366	20.267
rs74401181	ebi-a-GCST90027161	5	93956125	C/T	0.966	0.035	-0.025	0.028	0.378	20.934
rs6535246	ebi-a-GCST90027161	4	82343242	A/G	0.953	0.047	-0.036	0.023	0.125	20.472

type used: Full c

rs143741539	ebi-a-GCST90027161	2	206185330	G/A	0.991	0.009	0.073	0.064	0.257	20.352
rs72783765	ebi-a-GCST90027161	5	87027391	C/T	0.921	0.079	0.032	0.020	0.099	31.645
rs58048722	ebi-a-GCST90027161	2	25187825	C/T	0.454	0.454	0.030	0.010	0.003	25.606
rs1629802	ebi-a-GCST90027161	2	45138179	G/A	0.614	0.386	0.021	0.010	0.043	34.077
rs35184771	ebi-a-GCST90027161	11	47475189	G/T	0.641	0.359	0.016	0.011	0.132	32.724
rs9346818	ebi-a-GCST90027161	6	160914460	A/G	0.379	0.379	0.011	0.011	0.297	20.100
rs6722317	ebi-a-GCST90027161	2	169647484	A/G	0.595	0.405	0.010	0.011	0.340	23.112
rs699538	ebi-a-GCST90027161	1	90929378	C/T	0.404	0.404	0.010	0.011	0.358	27.872
rs2899357	ebi-a-GCST90027161	22	42858610	A/G	0.637	0.363	0.008	0.011	0.444	25.472
rs7486402	ebi-a-GCST90027161	12	67295238	T/C	0.813	0.187	0.007	0.013	0.589	22.838
rs9389357	ebi-a-GCST90027161	6	136329314	C/T	0.626	0.374	0.007	0.011	0.522	20.549
rs4809047	ebi-a-GCST90027161	19	20646858	C/T	0.913	0.087	0.005	0.016	0.770	21.990
rs6503327	ebi-a-GCST90027161	17	10718996	A/G	0.139	0.139	0.004	0.015	0.782	23.044
rs2568921	ebi-a-GCST90027161	10	118086452	A/G	0.774	0.226	0.003	0.012	0.792	24.951
rs1992536	ebi-a-GCST90027161	11	99792672	A/G	0.092	0.092	0.003	0.017	0.867	22.726
rs4339825	ebi-a-GCST90027161	1	177791704	T/C	0.744	0.256	0.003	0.012	0.814	25.801
rs1075813	ebi-a-GCST90027161	2	109787584	C/T	0.441	0.441	0.002	0.010	0.863	23.134
rs3107456	ebi-a-GCST90027161	10	63044816	G/A	0.286	0.286	0.002	0.011	0.871	21.018
rs840956	ebi-a-GCST90027161	2	65724749	A/G	0.181	0.181	0.001	0.013	0.954	19.670
rs1546995	ebi-a-GCST90027161	20	21320653	T/C	0.318	0.318	-0.001	0.011	0.960	20.552
rs10775256	ebi-a-GCST90027161	15	92997155	G/A	0.300	0.300	-0.002	0.011	0.890	21.652
rs6560951	ebi-a-GCST90027161	13	115061057	G/A	0.769	0.232	-0.002	0.011	0.866	25.102
rs8043512	ebi-a-GCST90027161	15	35787824	C/T	0.941	0.059	-0.003	0.021	0.892	19.514
rs2122444	ebi-a-GCST90027161	8	106503845	A/G	0.686	0.314	-0.004	0.011	0.740	22.661
rs7232543	ebi-a-GCST90027161	18	50718757	A/G	0.566	0.434	-0.004	0.010	0.721	25.917
rs9836562	ebi-a-GCST90027161	3	117366399	T/C	0.146	0.146	-0.011	0.014	0.424	23.118
rs1421085	ebi-a-GCST90027161	16	53800954	T/C	0.584	0.416	-0.012	0.010	0.223	69.134

rs7432235	ebi-a-GCST90027161	3	185622875	C/A	0.856	0.144	-0.015	0.015	0.332	21.297
rs72769275	ebi-a-GCST90027161	2	2340829	A/G	0.705	0.295	-0.016	0.011	0.163	21.535
rs8012317	ebi-a-GCST90027161	14	86461564	G/A	0.540	0.460	-0.017	0.010	0.104	20.482
rs12941465	ebi-a-GCST90027161	17	38255565	G/A	0.729	0.271	-0.017	0.011	0.125	20.238
rs7456682	ebi-a-GCST90027161	7	9741980	A/G	0.556	0.444	-0.019	0.010	0.062	20.498
rs642399	ebi-a-GCST90027161	15	48085458	A/G	0.447	0.447	-0.020	0.010	0.054	21.205
rs7088988	ebi-a-GCST90027161	10	16946125	T/C	0.933	0.067	-0.026	0.021	0.211	21.205
rs2613508	ebi-a-GCST90027161	1	72833582	C/T	0.172	0.172	-0.031	0.014	0.028	39.270
rs143774334	ebi-a-GCST90027161	5	27803925	T/G	0.986	0.014	-0.048	0.040	0.223	20.302

: Full cream vs n

rs113800750	ebi-a-GCST90027161	18	22485775	G/A	0.986	0.014	0.109	0.043	0.011	20.622
rs4968536	ebi-a-GCST90027161	17	59283213	G/A	0.066	0.066	0.030	0.020	0.138	22.145
rs16932354	ebi-a-GCST90027161	9	14850256	T/C	0.892	0.108	0.025	0.017	0.132	19.984
rs11204894	ebi-a-GCST90027161	1	151793174	G/T	0.761	0.239	0.019	0.012	0.121	19.972
rs1133607	ebi-a-GCST90027161	16	20494408	C/T	0.899	0.101	0.019	0.017	0.261	22.542
rs3135170	ebi-a-GCST90027161	4	3262323	T/C	0.549	0.451	0.019	0.010	0.070	20.097
rs115112376	ebi-a-GCST90027161	4	136287870	C/A	0.980	0.020	0.016	0.037	0.676	22.155
rs879546	ebi-a-GCST90027161	2	109753381	C/T	0.478	0.478	0.015	0.010	0.133	19.971
rs12425787	ebi-a-GCST90027161	12	1645204	C/T	0.941	0.059	0.015	0.020	0.471	21.170
rs9557688	ebi-a-GCST90027161	13	102190981	T/C	0.441	0.441	0.011	0.010	0.269	22.267
rs727068	ebi-a-GCST90027161	2	169639371	C/A	0.599	0.401	0.009	0.011	0.376	23.948
rs12185581	ebi-a-GCST90027161	2	25405507	T/C	0.789	0.211	0.007	0.012	0.584	24.195
rs112267456	ebi-a-GCST90027161	3	145428529	G/A	0.924	0.076	0.006	0.019	0.752	20.509
rs1463403	ebi-a-GCST90027161	3	117623116	C/T	0.192	0.192	0.005	0.013	0.684	22.432
rs13291806	ebi-a-GCST90027161	9	138373671	G/T	0.835	0.165	0.005	0.014	0.719	20.302
rs1596921	ebi-a-GCST90027161	2	134632599	T/C	0.589	0.411	0.002	0.010	0.840	21.790
rs7819796	ebi-a-GCST90027161	8	57977246	C/T	0.824	0.176	-0.001	0.013	0.953	25.224
rs586118	ebi-a-GCST90027161	15	48049776	C/T	0.645	0.356	-0.001	0.011	0.896	21.592
rs10259567	ebi-a-GCST90027161	7	13275353	C/T	0.492	0.492	-0.002	0.010	0.835	23.405
rs2477866	ebi-a-GCST90027161	1	233287771	A/C	0.931	0.069	-0.003	0.023	0.910	20.890
rs2201168	ebi-a-GCST90027161	5	5956692	A/G	0.568	0.432	-0.003	0.010	0.774	24.450
rs7107618	ebi-a-GCST90027161	11	6318858	G/A	0.850	0.150	-0.003	0.015	0.827	19.917
rs2122444	ebi-a-GCST90027161	8	106503845	A/G	0.686	0.314	-0.004	0.011	0.740	24.669
rs28429148	ebi-a-GCST90027161	16	53798319	G/A	0.543	0.458	-0.005	0.010	0.624	23.625
rs9825612	ebi-a-GCST90027161	3	165186014	A/C	0.017	0.017	-0.010	0.039	0.794	21.592
rs6556580	ebi-a-GCST90027161	5	155254169	A/C	0.061	0.061	-0.021	0.021	0.324	20.252
rs146725328	ebi-a-GCST90027161	1	84847730	T/C	0.973	0.027	-0.028	0.028	0.321	19.910
rs78201132	ebi-a-GCST90027161	1	169171034	A/C	0.991	0.009	-0.045	0.068	0.506	21.129
rs10034912	ebi-a-GCST90027161	4	118450681	C/T	0.970	0.030	-0.055	0.030	0.072	19.490
rs117728386	ebi-a-GCST90027161	15	79210139	C/T	0.982	0.018	-0.077	0.037	0.036	20.533

: Other milk vs r

rs62265968	ebi-a-GCST90027161	3	113127618	G/A	0.894	0.106	0.028	0.017	0.106	21.350
rs11924614	ebi-a-GCST90027161	3	64206527	C/A	0.409	0.409	0.017	0.011	0.105	21.486
rs114162378	ebi-a-GCST90027161	1	162213185	C/T	0.937	0.063	0.001	0.022	0.978	23.602
rs4604517	ebi-a-GCST90027161	9	121084449	T/C	0.869	0.131	-0.004	0.015	0.779	19.689
rs117804592	ebi-a-GCST90027161	9	29336213	G/A	0.982	0.018	-0.006	0.044	0.895	22.451
rs79121245	ebi-a-GCST90027161	1	57405625	G/A	0.987	0.013	-0.011	0.055	0.843	19.902
rs4747436	ebi-a-GCST90027161	10	5653172	G/A	0.638	0.362	-0.013	0.011	0.217	22.129
rs76793825	ebi-a-GCST90027161	4	91039202	G/A	0.843	0.157	-0.018	0.014	0.208	21.007
rs11700809	ebi-a-GCST90027161	21	47020185	C/T	0.825	0.175	-0.018	0.013	0.163	20.014

rs529727580	ebi-a-GCST90027161	20	34589426	C/T	0.982	0.018	-0.026	0.036	0.476	21.108
rs78513405	ebi-a-GCST90027161	5	11326075	A/G	0.981	0.019	-0.033	0.042	0.435	21.259
rs112213869	ebi-a-GCST90027161	13	101766645	T/C	0.974	0.026	-0.039	0.037	0.298	23.098
rs117171867	ebi-a-GCST90027161	11	105063102	T/C	0.940	0.060	-0.041	0.021	0.052	23.178
rs115693589	ebi-a-GCST90027161	3	147524219	G/A	0.997	0.003	-0.049	0.070	0.486	26.273
rs113941013	ebi-a-GCST90027161	2	100867223	C/T	0.993	0.007	-0.073	0.070	0.297	21.816

Used: Other type

rs183056342	ebi-a-GCST90027161	3	72426342	T/C	0.990	0.010	0.136	0.053	0.010	19.965
rs117470929	ebi-a-GCST90027161	7	5198270	T/C	0.990	0.010	0.067	0.071	0.350	19.782
rs13059888	ebi-a-GCST90027161	3	113128051	G/T	0.894	0.106	0.028	0.017	0.111	20.120
rs149783569	ebi-a-GCST90027161	4	2030081	A/G	0.833	0.167	0.011	0.014	0.429	21.023
rs7630474	ebi-a-GCST90027161	3	84385686	A/G	0.373	0.373	0.011	0.010	0.280	20.238
rs6031491	ebi-a-GCST90027161	20	42896424	T/C	0.320	0.320	0.010	0.011	0.350	19.611
rs111751848	ebi-a-GCST90027161	7	55868225	G/A	0.925	0.075	0.003	0.019	0.854	22.399
rs114162378	ebi-a-GCST90027161	1	162213185	C/T	0.937	0.063	0.001	0.022	0.978	25.665
rs35575428	ebi-a-GCST90027161	11	79007770	G/A	0.805	0.195	-0.003	0.013	0.849	20.018
rs13158921	ebi-a-GCST90027161	5	158649872	C/T	0.985	0.015	-0.006	0.043	0.884	20.975
rs17764966	ebi-a-GCST90027161	12	82529810	A/G	0.974	0.027	-0.011	0.036	0.757	21.040
rs72624408	ebi-a-GCST90027161	3	8714065	C/T	0.962	0.038	-0.013	0.025	0.603	20.563
rs111692705	ebi-a-GCST90027161	1	229532105	C/T	0.902	0.098	-0.014	0.018	0.446	20.129
rs78114766	ebi-a-GCST90027161	1	208400606	T/C	0.964	0.036	-0.018	0.028	0.521	22.402
rs116781632	ebi-a-GCST90027161	2	20584157	G/A	0.988	0.012	-0.021	0.048	0.666	23.497
rs77016942	ebi-a-GCST90027161	10	20077518	G/A	0.977	0.023	-0.035	0.031	0.260	20.834
rs139127628	ebi-a-GCST90027161	20	54520665	G/A	0.964	0.036	-0.041	0.037	0.273	23.052
rs117527815	ebi-a-GCST90027161	11	104940443	T/G	0.937	0.063	-0.042	0.021	0.043	22.948
rs115693589	ebi-a-GCST90027161	3	147524219	G/A	0.997	0.003	-0.049	0.070	0.486	21.070
rs79387795	ebi-a-GCST90027161	17	79516197	G/A	0.986	0.014	-0.092	0.043	0.031	24.184

Used: Semi-s

rs149945787	ebi-a-GCST90027161	18	10042275	T/G	0.984	0.016	0.071	0.039	0.070	20.003
rs71478073	ebi-a-GCST90027161	10	132978511	A/G	0.955	0.045	0.036	0.024	0.134	20.144
rs138924217	ebi-a-GCST90027161	2	58216993	T/C	0.976	0.024	0.028	0.030	0.352	20.792
rs62438242	ebi-a-GCST90027161	6	73996565	C/T	0.889	0.111	0.019	0.016	0.218	20.065
rs1573395	ebi-a-GCST90027161	18	52881614	A/G	0.590	0.410	0.017	0.010	0.110	21.693
rs74549071	ebi-a-GCST90027161	5	140987528	A/G	0.991	0.009	0.016	0.056	0.772	22.111
rs2447091	ebi-a-GCST90027161	17	2296014	T/C	0.595	0.405	0.016	0.010	0.119	34.017
rs60731795	ebi-a-GCST90027161	15	60152549	A/G	0.897	0.103	0.013	0.016	0.424	23.730
rs12212349	ebi-a-GCST90027161	6	106081934	G/A	0.644	0.356	0.013	0.011	0.241	21.366
rs8091828	ebi-a-GCST90027161	18	39172920	T/G	0.956	0.044	0.013	0.024	0.597	22.549
rs13263320	ebi-a-GCST90027161	8	119448148	A/G	0.449	0.449	0.012	0.010	0.251	24.374
rs116361729	ebi-a-GCST90027161	6	88058099	A/G	0.986	0.014	0.012	0.068	0.865	20.468
rs1682826	ebi-a-GCST90027161	3	10782693	C/T	0.319	0.319	0.011	0.011	0.328	20.969
rs1813348	ebi-a-GCST90027161	2	71357634	C/T	0.335	0.335	0.005	0.011	0.671	27.692
rs1426371	ebi-a-GCST90027161	12	108629780	G/A	0.701	0.299	0.003	0.011	0.809	23.609
rs4987393	ebi-a-GCST90027161	1	169682352	C/T	0.988	0.012	0.003	0.062	0.967	19.571
rs10430802	ebi-a-GCST90027161	10	13900693	C/A	0.820	0.180	0.002	0.013	0.908	19.995
rs149148552	ebi-a-GCST90027161	8	141298312	C/T	0.989	0.011	0.001	0.053	0.981	22.562
rs78539964	ebi-a-GCST90027161	14	74800616	T/C	0.991	0.009	0.001	0.066	0.986	19.636
rs362307	ebi-a-GCST90027161	4	3241845	C/T	0.924	0.076	0.000	0.019	0.983	27.545
rs885393	ebi-a-GCST90027161	3	89011400	C/T	0.612	0.389	0.000	0.011	0.972	23.359
rs979977	ebi-a-GCST90027161	2	137768719	G/A	0.115	0.115	-0.001	0.018	0.942	22.856

rs9471975	ebi-a-GCST90027161	6	42919222	T/C	0.447	0.447	-0.001	0.010	0.891	21.671
rs74089203	ebi-a-GCST90027161	1	72941970	C/T	0.883	0.117	-0.002	0.016	0.920	21.170
rs9902107	ebi-a-GCST90027161	17	79098951	C/T	0.711	0.289	-0.003	0.011	0.811	21.566
rs7035530	ebi-a-GCST90027161	9	79208264	A/G	0.564	0.436	-0.008	0.010	0.464	22.302
rs10444287	ebi-a-GCST90027161	11	45828693	G/A	0.870	0.130	-0.008	0.014	0.571	22.019
rs4933381	ebi-a-GCST90027161	10	87718406	T/C	0.809	0.192	-0.009	0.013	0.509	19.829
rs142842026	ebi-a-GCST90027161	1	117633476	T/C	0.959	0.041	-0.009	0.025	0.708	20.417
rs6663158	ebi-a-GCST90027161	1	2004098	G/A	0.820	0.180	-0.010	0.013	0.453	20.213
rs8139804	ebi-a-GCST90027161	22	26930065	C/T	0.430	0.430	-0.011	0.010	0.296	21.753
rs1473099	ebi-a-GCST90027161	2	60449710	A/G	0.885	0.115	-0.012	0.018	0.506	24.160
rs4243626	ebi-a-GCST90027161	14	64185532	T/C	0.641	0.359	-0.014	0.011	0.182	19.759
rs77882688	ebi-a-GCST90027161	2	162660052	C/A	0.929	0.071	-0.015	0.022	0.501	23.500
rs56272720	ebi-a-GCST90027161	6	135532832	A/G	0.950	0.050	-0.018	0.025	0.474	27.196
rs60231878	ebi-a-GCST90027161	7	81765390	T/C	0.892	0.108	-0.018	0.017	0.267	20.027
rs11065360	ebi-a-GCST90027161	12	121386532	A/G	0.607	0.393	-0.022	0.010	0.032	22.016
rs1575072	ebi-a-GCST90027161	1	30617856	G/T	0.613	0.388	-0.028	0.014	0.047	19.600
rs151119306	ebi-a-GCST90027161	11	31797421	G/A	0.990	0.010	-0.040	0.062	0.519	20.304
rs79565964	ebi-a-GCST90027161	14	21094594	G/T	0.965	0.035	-0.062	0.028	0.029	20.673

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rs7958413	ebi-a-GCST90027161	12	57350194	A/C	0.929	0.071	0.053	0.022	0.016	20.971
rs1420116	ebi-a-GCST90027161	7	29628434	T/C	0.039	0.039	0.033	0.026	0.204	22.184
rs7207118	ebi-a-GCST90027161	17	32921733	T/C	0.229	0.229	0.032	0.012	0.009	20.194
rs11037893	ebi-a-GCST90027161	11	44188665	C/T	0.896	0.104	0.030	0.015	0.049	20.363
rs7016572	ebi-a-GCST90027161	8	68724880	C/T	0.872	0.128	0.022	0.016	0.164	23.862
rs1133607	ebi-a-GCST90027161	16	20494408	C/T	0.899	0.101	0.019	0.017	0.261	20.013
rs7557983	ebi-a-GCST90027161	2	68591711	C/T	0.723	0.277	0.018	0.011	0.106	19.640
rs2288906	ebi-a-GCST90027161	19	38702777	C/T	0.766	0.234	0.017	0.016	0.266	20.019
rs4143165	ebi-a-GCST90027161	11	113040818	G/A	0.848	0.152	0.017	0.013	0.205	19.626
rs7682615	ebi-a-GCST90027161	4	110179436	G/A	0.938	0.062	0.017	0.022	0.463	20.820
rs1700099	ebi-a-GCST90027161	8	4104893	A/G	0.244	0.244	0.015	0.012	0.197	20.059
rs186619322	ebi-a-GCST90027161	7	152484695	C/T	0.985	0.015	0.013	0.041	0.747	20.628
rs115853505	ebi-a-GCST90027161	1	87368653	C/T	0.936	0.064	0.012	0.021	0.557	20.928
rs11021347	ebi-a-GCST90027161	11	95653494	T/C	0.618	0.383	0.011	0.011	0.314	19.804
rs34045187	ebi-a-GCST90027161	13	55798912	C/T	0.725	0.275	0.010	0.012	0.375	29.181
rs151207429	ebi-a-GCST90027161	1	5806423	C/A	0.990	0.010	0.009	0.057	0.879	21.590
rs113690218	ebi-a-GCST90027161	7	56465237	G/T	0.899	0.101	0.007	0.019	0.692	21.542
rs144210912	ebi-a-GCST90027161	4	168979117	A/G	0.981	0.019	0.006	0.038	0.876	20.180
rs4783216	ebi-a-GCST90027161	16	82577739	G/A	0.364	0.364	0.003	0.010	0.749	20.591
rs6754311	ebi-a-GCST90027161	2	136707982	T/C	0.655	0.345	0.002	0.011	0.829	39.316
rs11083174	ebi-a-GCST90027161	18	24107631	C/T	0.746	0.254	0.001	0.012	0.940	26.311
rs362307	ebi-a-GCST90027161	4	3241845	C/T	0.924	0.076	0.000	0.019	0.983	23.545
rs9324584	ebi-a-GCST90027161	8	143428029	T/C	0.812	0.189	-0.001	0.014	0.930	26.156
rs41396445	ebi-a-GCST90027161	18	53242137	C/A	0.643	0.357	-0.003	0.011	0.763	20.574
rs4294587	ebi-a-GCST90027161	11	80804232	T/G	0.866	0.134	-0.004	0.015	0.808	19.752
rs72731943	ebi-a-GCST90027161	15	57426901	A/G	0.923	0.077	-0.004	0.020	0.833	31.691
rs7183096	ebi-a-GCST90027161	15	87208203	A/C	0.667	0.333	-0.005	0.011	0.615	19.556
rs60191274	ebi-a-GCST90027161	5	17142478	G/A	0.943	0.057	-0.011	0.023	0.616	19.637
rs9542208	ebi-a-GCST90027161	13	70764208	T/C	0.963	0.037	-0.015	0.028	0.593	20.747
rs11075922	ebi-a-GCST90027161	16	72157718	C/T	0.587	0.413	-0.016	0.010	0.114	20.337
rs6534263	ebi-a-GCST90027161	4	122235015	T/C	0.490	0.490	-0.017	0.010	0.108	19.819

rs8056758	ebi-a-GCST90027161	16	13664898	C/T	0.877	0.123	-0.017	0.016	0.270	20.740
rs12552646	ebi-a-GCST90027161	9	102868475	C/T	0.562	0.438	-0.021	0.010	0.038	19.736
rs62229785	ebi-a-GCST90027161	20	50096908	T/C	0.968	0.032	-0.022	0.024	0.366	23.970
rs74401181	ebi-a-GCST90027161	5	93956125	C/T	0.966	0.035	-0.025	0.028	0.378	21.034
rs117257100	ebi-a-GCST90027161	13	105504919	C/T	0.989	0.011	-0.026	0.055	0.638	19.625
rs171382	ebi-a-GCST90027161	4	29557554	C/T	0.987	0.013	-0.059	0.043	0.172	19.926

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rs4131076	ebi-a-GCST90027161	1	214678625	A/G	0.974	0.026	0.044	0.027	0.094	19.662
rs77737047	ebi-a-GCST90027161	15	66089405	C/A	0.966	0.034	0.030	0.030	0.306	21.770
rs9980593	ebi-a-GCST90027161	21	14745009	G/A	0.476	0.476	0.022	0.011	0.036	19.761
rs11152213	ebi-a-GCST90027161	18	57852948	A/C	0.788	0.212	0.021	0.013	0.096	32.230
rs370294968	ebi-a-GCST90027161	16	89508004	C/T	0.997	0.003	0.020	0.071	0.775	19.817
rs3817334	ebi-a-GCST90027161	11	47650993	C/T	0.591	0.409	0.018	0.010	0.075	34.543
rs184240	ebi-a-GCST90027161	5	152775942	C/A	0.874	0.126	0.017	0.015	0.257	23.725
rs10412048	ebi-a-GCST90027161	19	11193949	A/G	0.892	0.108	0.016	0.017	0.362	19.880
rs112475245	ebi-a-GCST90027161	2	135673911	A/G	0.851	0.149	0.015	0.014	0.273	22.562
rs72854887	ebi-a-GCST90027161	18	890812	A/G	0.873	0.127	0.014	0.016	0.362	19.714
rs79873076	ebi-a-GCST90027161	2	66292252	C/T	0.964	0.036	0.013	0.026	0.632	24.852
rs6943268	ebi-a-GCST90027161	7	24516645	A/G	0.405	0.405	0.011	0.011	0.284	24.714
rs4762392	ebi-a-GCST90027161	12	97905785	T/C	0.255	0.255	0.010	0.011	0.383	24.904
rs4822107	ebi-a-GCST90027161	22	42704834	G/A	0.528	0.472	0.008	0.010	0.411	25.049
rs633715	ebi-a-GCST90027161	1	177852580	T/C	0.790	0.210	0.008	0.013	0.513	21.641
rs2875613	ebi-a-GCST90027161	13	71964450	C/T	0.732	0.268	0.008	0.016	0.628	21.228
rs136872	ebi-a-GCST90027161	22	32281568	A/G	0.085	0.085	0.005	0.020	0.803	37.143
rs11626929	ebi-a-GCST90027161	14	24876237	C/T	0.564	0.436	0.005	0.010	0.662	22.385
rs1426371	ebi-a-GCST90027161	12	108629780	G/A	0.701	0.299	0.003	0.011	0.809	19.563
rs2000467	ebi-a-GCST90027161	22	24241533	A/G	0.339	0.339	0.002	0.011	0.822	22.973
rs62107261	ebi-a-GCST90027161	2	422144	T/C	0.964	0.037	0.002	0.030	0.939	24.685
rs10430802	ebi-a-GCST90027161	10	13900693	C/A	0.820	0.180	0.002	0.013	0.908	24.953
rs651821	ebi-a-GCST90027161	11	116662579	C/T	0.067	0.067	-0.001	0.020	0.981	21.242
rs7132908	ebi-a-GCST90027161	12	50263148	G/A	0.602	0.398	-0.001	0.010	0.947	28.073
rs73193340	ebi-a-GCST90027161	4	3281799	A/G	0.873	0.127	-0.002	0.015	0.915	20.992
rs2932317	ebi-a-GCST90027161	1	97392785	C/T	0.492	0.492	-0.003	0.010	0.738	20.777
rs7045263	ebi-a-GCST90027161	9	14180711	G/A	0.715	0.285	-0.004	0.011	0.761	21.116
rs206271	ebi-a-GCST90027161	3	162627438	C/T	0.734	0.266	-0.004	0.012	0.725	21.071
rs7599352	ebi-a-GCST90027161	2	119740290	C/T	0.418	0.418	-0.005	0.010	0.636	19.550
rs6939741	ebi-a-GCST90027161	6	160362076	A/G	0.507	0.493	-0.005	0.010	0.624	21.170
rs11870847	ebi-a-GCST90027161	17	37017969	T/G	0.499	0.499	-0.005	0.010	0.618	19.902
rs6124077	ebi-a-GCST90027161	20	59815020	A/G	0.469	0.469	-0.005	0.010	0.614	20.005
rs2281190	ebi-a-GCST90027161	1	6720990	C/A	0.647	0.353	-0.006	0.011	0.605	24.400
rs150640265	ebi-a-GCST90027161	5	64764978	A/G	0.966	0.034	-0.006	0.026	0.818	20.019
rs56149019	ebi-a-GCST90027161	12	49591890	C/T	0.729	0.271	-0.006	0.011	0.593	20.063
rs28833541	ebi-a-GCST90027161	5	77419357	C/T	0.712	0.288	-0.006	0.012	0.584	22.883
rs17584997	ebi-a-GCST90027161	2	185935405	G/A	0.833	0.167	-0.007	0.014	0.625	22.411
rs77662718	ebi-a-GCST90027161	11	46242003	G/A	0.905	0.095	-0.007	0.017	0.673	21.959
rs4933381	ebi-a-GCST90027161	10	87718406	T/C	0.809	0.192	-0.009	0.013	0.509	26.009
rs55872725	ebi-a-GCST90027161	16	53809123	C/T	0.584	0.416	-0.012	0.010	0.226	82.062
rs427118	ebi-a-GCST90027161	6	92344201	T/C	0.360	0.360	-0.014	0.011	0.182	24.465
rs11209948	ebi-a-GCST90027161	1	72811904	G/T	0.382	0.382	-0.016	0.011	0.126	33.985
rs56272720	ebi-a-GCST90027161	6	135532832	A/G	0.950	0.050	-0.018	0.025	0.474	24.285

rs148022970	ebi-a-GCST90027161	3	183438777	T/C	0.973	0.027	-0.018	0.030	0.555	19.984
rs4455862	ebi-a-GCST90027161	8	48985203	G/A	0.060	0.060	-0.019	0.022	0.377	20.284
rs73023267	ebi-a-GCST90027161	3	9376691	A/G	0.943	0.057	-0.020	0.022	0.381	21.812
rs4626515	ebi-a-GCST90027161	7	139904130	T/C	0.870	0.130	-0.023	0.015	0.138	19.702
rs4945275	ebi-a-GCST90027161	11	78119822	G/A	0.811	0.189	-0.032	0.013	0.011	20.376
rs4343432	ebi-a-GCST90027161	2	25161236	A/G	0.560	0.441	-0.035	0.010	0.001	25.714
rs114292904	ebi-a-GCST90027161	2	39983760	G/A	0.988	0.013	-0.117	0.050	0.020	24.926

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rs2619676	ebi-a-GCST90027161	14	81192479	A/G	0.703	0.297	0.025	0.012	0.033	22.146
rs572806372	ebi-a-GCST90027161	2	55672178	C/T	0.955	0.045	0.021	0.030	0.469	20.539
rs7835634	ebi-a-GCST90027161	8	74261334	A/G	0.856	0.144	0.018	0.014	0.220	20.014
rs34045187	ebi-a-GCST90027161	13	55798912	C/T	0.725	0.275	0.010	0.012	0.375	23.985
rs11043219	ebi-a-GCST90027161	12	122297792	T/C	0.651	0.349	0.008	0.011	0.474	21.757
rs113690218	ebi-a-GCST90027161	7	56465237	G/T	0.899	0.101	0.007	0.019	0.692	20.114
rs71451207	ebi-a-GCST90027161	2	35435870	A/G	0.808	0.192	0.006	0.013	0.622	21.328
rs4957048	ebi-a-GCST90027161	5	583442	G/A	0.809	0.191	0.005	0.013	0.693	20.183
rs139082692	ebi-a-GCST90027161	6	129508867	A/G	0.978	0.022	0.004	0.031	0.893	22.352
rs2437944	ebi-a-GCST90027161	18	38224829	G/T	0.719	0.281	0.004	0.011	0.762	20.792
rs59783798	ebi-a-GCST90027161	14	59188431	T/C	0.440	0.440	0.003	0.010	0.786	20.567
rs6754311	ebi-a-GCST90027161	2	136707982	T/C	0.655	0.345	0.002	0.011	0.829	49.666
rs2000469	ebi-a-GCST90027161	22	24245292	A/G	0.346	0.346	0.000	0.011	0.970	19.824
rs7013121	ebi-a-GCST90027161	8	143458833	C/A	0.812	0.188	-0.001	0.014	0.943	23.595
rs2797249	ebi-a-GCST90027161	1	215861469	A/C	0.848	0.152	-0.003	0.014	0.820	20.522
rs8614	ebi-a-GCST90027161	17	27588806	C/A	0.838	0.162	-0.004	0.015	0.812	23.272
rs206271	ebi-a-GCST90027161	3	162627438	C/T	0.734	0.266	-0.004	0.012	0.725	21.411
rs3908957	ebi-a-GCST90027161	1	181551435	G/A	0.472	0.472	-0.004	0.010	0.668	20.165
rs17463483	ebi-a-GCST90027161	5	124661788	A/G	0.756	0.244	-0.009	0.012	0.466	22.499
rs58269467	ebi-a-GCST90027161	6	1758655	A/G	0.906	0.094	-0.009	0.018	0.615	22.164
rs6457707	ebi-a-GCST90027161	6	33024224	G/A	0.816	0.184	-0.012	0.013	0.372	20.791
rs4692105	ebi-a-GCST90027161	4	30828781	T/C	0.599	0.401	-0.013	0.010	0.201	21.680
rs4802765	ebi-a-GCST90027161	19	51589473	T/C	0.855	0.145	-0.014	0.015	0.360	21.442
rs9542208	ebi-a-GCST90027161	13	70764208	T/C	0.963	0.037	-0.015	0.028	0.593	23.416
rs6876587	ebi-a-GCST90027161	5	153103261	G/A	0.624	0.376	-0.016	0.014	0.253	29.048
rs78418907	ebi-a-GCST90027161	15	56912244	T/C	0.958	0.043	-0.017	0.026	0.526	22.040
rs2511188	ebi-a-GCST90027161	11	77920930	A/G	0.819	0.181	-0.036	0.017	0.033	20.798
rs6535246	ebi-a-GCST90027161	4	82343242	A/G	0.953	0.047	-0.036	0.023	0.125	21.512
rs143370770	ebi-a-GCST90027161	8	85596512	G/A	0.982	0.019	-0.044	0.040	0.264	22.678
rs146563210	ebi-a-GCST90027161	7	155124091	C/A	0.978	0.022	-0.056	0.035	0.107	19.950

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rs36105097	ebi-a-GCST90027161	13	26518852	C/A	0.916	0.084	0.033	0.019	0.079	20.327
rs58224241	ebi-a-GCST90027161	17	34463458	G/A	0.985	0.015	0.029	0.047	0.531	19.626
rs16932354	ebi-a-GCST90027161	9	14850256	T/C	0.892	0.108	0.025	0.017	0.132	20.887
rs11692742	ebi-a-GCST90027161	2	45112453	G/A	0.698	0.302	0.020	0.011	0.062	19.511
rs10488830	ebi-a-GCST90027161	4	97907517	A/G	0.933	0.067	0.017	0.021	0.408	22.093
rs74847990	ebi-a-GCST90027161	16	50950248	C/T	0.993	0.007	0.015	0.087	0.863	23.698
rs7810473	ebi-a-GCST90027161	7	136596457	A/G	0.580	0.420	0.012	0.010	0.243	22.386
rs6776772	ebi-a-GCST90027161	3	56434744	C/T	0.481	0.481	0.012	0.010	0.262	21.872
rs12782575	ebi-a-GCST90027161	10	84824549	G/A	0.772	0.228	0.006	0.012	0.616	21.493
rs56127503	ebi-a-GCST90027161	1	20814444	T/C	0.824	0.177	0.006	0.013	0.678	21.266
rs4783216	ebi-a-GCST90027161	16	82577739	G/A	0.364	0.364	0.003	0.010	0.749	19.941

rs35656416	ebi-a-GCST90027161	9	116127530	C/A	0.897	0.103	0.002	0.018	0.894	22.568
rs9459541	ebi-a-GCST90027161	6	166345216	T/C	0.718	0.282	0.002	0.011	0.830	19.615
rs139523345	ebi-a-GCST90027161	4	27251689	A/G	0.983	0.017	0.002	0.036	0.967	19.583
rs78202195	ebi-a-GCST90027161	14	55487438	C/T	0.951	0.049	-0.001	0.026	0.984	22.219
rs58891388	ebi-a-GCST90027161	9	92971640	G/A	0.843	0.157	-0.001	0.013	0.923	19.715
rs72809601	ebi-a-GCST90027161	5	144888204	A/G	0.940	0.060	-0.002	0.021	0.933	20.573
rs7396314	ebi-a-GCST90027161	11	710724	T/G	0.633	0.367	-0.004	0.011	0.715	21.034
rs76936221	ebi-a-GCST90027161	6	4282006	G/A	0.910	0.090	-0.004	0.019	0.824	25.440
rs55957544	ebi-a-GCST90027161	2	242057240	T/C	0.910	0.090	-0.005	0.018	0.776	22.950
rs3130662	ebi-a-GCST90027161	6	30713808	C/A	0.849	0.151	-0.006	0.017	0.747	22.905
rs7417538	ebi-a-GCST90027161	1	43959942	G/A	0.613	0.387	-0.012	0.010	0.247	23.708
rs12470316	ebi-a-GCST90027161	2	58446509	C/T	0.680	0.320	-0.013	0.011	0.239	23.881
rs10008010	ebi-a-GCST90027161	4	122202557	A/C	0.558	0.442	-0.013	0.010	0.196	21.243
rs9687441	ebi-a-GCST90027161	5	153107480	G/A	0.622	0.379	-0.015	0.014	0.301	32.615
rs143870099	ebi-a-GCST90027161	18	69181570	G/A	0.986	0.015	-0.016	0.047	0.734	21.235
rs17416088	ebi-a-GCST90027161	1	205042939	C/T	0.826	0.174	-0.017	0.013	0.203	21.715
rs2472298	ebi-a-GCST90027161	15	75031521	G/A	0.313	0.313	-0.017	0.011	0.112	19.683
rs1896634	ebi-a-GCST90027161	5	132511553	T/C	0.719	0.282	-0.018	0.011	0.097	28.065
rs6725230	ebi-a-GCST90027161	2	116391910	G/T	0.072	0.072	-0.022	0.019	0.245	19.237
rs35657069	ebi-a-GCST90027161	11	109041314	G/A	0.965	0.035	-0.023	0.027	0.401	21.451
rs75132027	ebi-a-GCST90027161	15	57131709	T/C	0.990	0.010	-0.024	0.065	0.713	22.018
rs141122645	ebi-a-GCST90027161	11	124404314	G/A	0.982	0.018	-0.027	0.040	0.490	19.156
rs71419537	ebi-a-GCST90027161	2	138003033	C/T	0.990	0.010	-0.031	0.064	0.624	20.250
rs78826586	ebi-a-GCST90027161	12	130918358	C/A	0.967	0.033	-0.045	0.028	0.109	20.593

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rs726773	ebi-a-GCST90027161	5	135957948	C/T	0.986	0.014	0.043	0.054	0.428	23.421
rs66778150	ebi-a-GCST90027161	7	7798196	G/T	0.809	0.191	0.037	0.013	0.004	22.666
rs77220693	ebi-a-GCST90027161	16	6670578	A/G	0.953	0.047	0.036	0.024	0.144	21.074
rs1550406	ebi-a-GCST90027161	2	127401805	C/T	0.951	0.049	0.031	0.025	0.223	20.543
rs4410790	ebi-a-GCST90027161	7	17284577	T/C	0.351	0.351	0.020	0.011	0.062	23.304
rs12583923	ebi-a-GCST90027161	13	91460053	G/A	0.769	0.231	0.010	0.012	0.423	20.364
rs1318851	ebi-a-GCST90027161	2	5225558	T/G	0.697	0.303	0.009	0.011	0.423	20.477
rs16988833	ebi-a-GCST90027161	21	33410933	C/T	0.989	0.011	0.006	0.056	0.910	20.550
rs778954	ebi-a-GCST90027161	4	63271155	C/T	0.389	0.389	0.005	0.011	0.637	22.361
rs72886665	ebi-a-GCST90027161	6	63900306	G/T	0.758	0.242	0.005	0.012	0.677	19.675
rs2426226	ebi-a-GCST90027161	20	49591657	T/C	0.559	0.441	0.003	0.010	0.774	20.021
rs10206546	ebi-a-GCST90027161	2	145121339	G/A	0.604	0.396	0.003	0.011	0.799	23.206
rs2291021	ebi-a-GCST90027161	17	79432429	G/A	0.375	0.375	0.000	0.011	0.990	24.484
rs9851724	ebi-a-GCST90027161	3	38719935	C/T	0.341	0.341	0.000	0.011	0.975	20.951
rs72809601	ebi-a-GCST90027161	5	144888204	A/G	0.940	0.060	-0.002	0.021	0.933	21.566
rs1892112	ebi-a-GCST90027161	10	92433925	G/A	0.700	0.300	-0.007	0.011	0.542	20.579
rs28394145	ebi-a-GCST90027161	16	25980329	C/T	0.793	0.207	-0.008	0.013	0.521	22.648
rs62392272	ebi-a-GCST90027161	6	4310459	A/G	0.914	0.086	-0.013	0.019	0.493	23.573
rs936226	ebi-a-GCST90027161	15	75069282	C/T	0.281	0.281	-0.014	0.011	0.208	20.227
rs6456712	ebi-a-GCST90027161	6	26302573	A/C	0.424	0.424	-0.020	0.011	0.058	28.983
rs4376296	ebi-a-GCST90027161	5	38422880	A/G	0.468	0.468	-0.022	0.011	0.043	22.073
rs76874059	ebi-a-GCST90027161	16	13103618	G/T	0.984	0.016	-0.028	0.050	0.569	20.482
rs112519682	ebi-a-GCST90027161	12	61692887	A/C	0.976	0.024	-0.041	0.041	0.316	21.833

ned, semi-skimm

rs147501158	ebi-a-GCST90027161	2	26949823	G/A	0.993	0.007	0.112	0.094	0.236	23.522

rs113800750	ebi-a-GCST90027161	18	22485775	G/A	0.986	0.014	0.109	0.043	0.011	20.467
rs62308093	ebi-a-GCST90027161	4	115497240	G/A	0.979	0.021	0.078	0.039	0.043	22.643
rs148813892	ebi-a-GCST90027161	11	82591742	T/C	0.992	0.008	0.038	0.077	0.619	20.400
rs113178335	ebi-a-GCST90027161	4	49009560	G/A	0.984	0.016	0.036	0.043	0.395	19.361
rs608394	ebi-a-GCST90027161	12	121194053	C/T	0.500	0.500	0.033	0.010	0.001	22.506
rs72783765	ebi-a-GCST90027161	5	87027391	C/T	0.921	0.079	0.032	0.020	0.099	23.657
rs7960934	ebi-a-GCST90027161	12	20334200	A/G	0.564	0.436	0.031	0.010	0.003	20.180
rs12286721	ebi-a-GCST90027161	11	47701528	C/A	0.415	0.415	0.023	0.010	0.026	31.201
rs9607805	ebi-a-GCST90027161	22	41854446	C/T	0.287	0.287	0.022	0.011	0.051	24.486
rs183144989	ebi-a-GCST90027161	7	115003472	C/T	0.983	0.017	0.021	0.041	0.603	22.098
rs2639711	ebi-a-GCST90027161	1	225900715	G/A	0.620	0.381	0.021	0.010	0.042	19.718
rs663640	ebi-a-GCST90027161	18	57846077	C/T	0.807	0.193	0.020	0.013	0.130	30.351
rs2447556	ebi-a-GCST90027161	8	140471354	T/C	0.204	0.204	0.020	0.013	0.118	20.093
rs919999	ebi-a-GCST90027161	15	65847922	G/A	0.397	0.397	0.015	0.010	0.134	19.643
rs4953150	ebi-a-GCST90027161	2	45157336	C/T	0.616	0.384	0.015	0.010	0.159	21.702
rs4245622	ebi-a-GCST90027161	16	64517615	C/T	0.486	0.486	0.014	0.010	0.177	20.530
rs389257	ebi-a-GCST90027161	1	6829339	C/T	0.655	0.345	0.014	0.011	0.204	20.409
rs191322448	ebi-a-GCST90027161	1	96527599	G/A	0.984	0.016	0.013	0.040	0.735	20.579
rs1263629	ebi-a-GCST90027161	2	207936911	A/G	0.874	0.126	0.012	0.016	0.455	25.027
rs7822979	ebi-a-GCST90027161	8	106468592	C/T	0.492	0.492	0.012	0.010	0.260	21.029
rs56273835	ebi-a-GCST90027161	5	176139779	T/C	0.573	0.427	0.011	0.010	0.277	19.266
rs1968694	ebi-a-GCST90027161	2	126285624	A/G	0.694	0.306	0.011	0.011	0.326	26.356
rs1095862	ebi-a-GCST90027161	8	57548853	G/A	0.948	0.052	0.011	0.022	0.632	19.842
rs4514042	ebi-a-GCST90027161	9	95804454	G/A	0.829	0.171	0.010	0.014	0.454	19.708
rs62106252	ebi-a-GCST90027161	2	408713	G/A	0.963	0.037	0.010	0.030	0.734	27.686
rs1556477	ebi-a-GCST90027161	9	20735284	A/G	0.621	0.380	0.008	0.011	0.476	20.361
rs34472009	ebi-a-GCST90027161	1	177835638	C/T	0.808	0.192	0.007	0.013	0.592	35.598
rs318199	ebi-a-GCST90027161	16	64240955	G/A	0.422	0.422	0.006	0.010	0.592	22.315
rs275445	ebi-a-GCST90027161	5	6826798	G/A	0.452	0.452	0.005	0.010	0.620	21.436
rs136872	ebi-a-GCST90027161	22	32281568	A/G	0.085	0.085	0.005	0.020	0.803	26.829
rs58831466	ebi-a-GCST90027161	15	78030122	C/T	0.566	0.434	0.005	0.010	0.653	21.818
rs11584431	ebi-a-GCST90027161	1	6091898	G/A	0.854	0.146	0.003	0.014	0.839	25.431
rs769668	ebi-a-GCST90027161	4	140858717	T/C	0.656	0.345	0.003	0.011	0.802	34.328
rs885127	ebi-a-GCST90027161	1	47012144	G/A	0.314	0.314	0.002	0.011	0.861	24.178
rs10901880	ebi-a-GCST90027161	10	126912670	A/G	0.378	0.378	0.001	0.011	0.911	20.019
rs4800634	ebi-a-GCST90027161	18	23054757	G/A	0.602	0.398	0.001	0.010	0.946	21.168
rs4729993	ebi-a-GCST90027161	7	103984220	A/G	0.532	0.468	0.000	0.010	0.986	24.629
rs11154850	ebi-a-GCST90027161	6	136367577	G/A	0.688	0.312	0.000	0.011	0.972	21.110
rs7132908	ebi-a-GCST90027161	12	50263148	G/A	0.602	0.398	-0.001	0.010	0.947	34.121
rs1862904	ebi-a-GCST90027161	3	185655454	A/G	0.404	0.404	-0.001	0.010	0.930	23.208
rs9564267	ebi-a-GCST90027161	13	66202811	G/A	0.638	0.362	-0.001	0.011	0.909	26.133
rs55789544	ebi-a-GCST90027161	3	61244358	A/G	0.532	0.468	-0.001	0.010	0.901	22.370
rs117567274	ebi-a-GCST90027161	12	109885229	C/T	0.921	0.079	-0.002	0.019	0.901	20.116
rs7725687	ebi-a-GCST90027161	5	56277372	A/G	0.205	0.205	-0.003	0.013	0.841	19.502
rs10860277	ebi-a-GCST90027161	12	98453601	C/T	0.571	0.429	-0.003	0.010	0.776	20.057
rs12655071	ebi-a-GCST90027161	5	25260144	A/G	0.851	0.149	-0.005	0.014	0.751	22.474
rs1669025	ebi-a-GCST90027161	7	137069055	A/G	0.500	0.500	-0.006	0.010	0.552	23.282
rs4519112	ebi-a-GCST90027161	11	58176386	C/T	0.772	0.228	-0.007	0.012	0.556	21.698
rs4344597	ebi-a-GCST90027161	13	109202286	T/C	0.580	0.420	-0.008	0.010	0.460	20.260
rs28582197	ebi-a-GCST90027161	4	170414395	C/T	0.933	0.067	-0.009	0.020	0.664	19.842

rs12367587	ebi-a-GCST90027161	12	75768827	G/A	0.941	0.059	-0.009	0.023	0.690	21.254
rs73537457	ebi-a-GCST90027161	19	19299461	G/A	0.918	0.082	-0.010	0.018	0.567	20.659
rs1421085	ebi-a-GCST90027161	16	53800954	T/C	0.584	0.416	-0.012	0.010	0.223	108.202
rs118149445	ebi-a-GCST90027161	9	25291978	C/T	0.972	0.028	-0.013	0.030	0.674	20.830
rs1016165	ebi-a-GCST90027161	8	31824555	T/C	0.556	0.444	-0.013	0.010	0.211	20.999
rs7238896	ebi-a-GCST90027161	18	1840658	A/G	0.848	0.152	-0.013	0.014	0.346	22.611
rs3135063	ebi-a-GCST90027161	4	3287052	C/A	0.678	0.322	-0.015	0.011	0.190	27.120
rs145932395	ebi-a-GCST90027161	5	46081864	G/A	0.958	0.042	-0.015	0.026	0.561	21.073
rs6475667	ebi-a-GCST90027161	9	22608036	G/A	0.195	0.195	-0.015	0.012	0.230	20.634
rs72699659	ebi-a-GCST90027161	1	118760312	C/A	0.934	0.066	-0.015	0.021	0.473	19.896
rs11209943	ebi-a-GCST90027161	1	72750500	A/G	0.382	0.382	-0.016	0.011	0.132	53.075
rs13401333	ebi-a-GCST90027161	2	25373031	C/T	0.387	0.387	-0.022	0.010	0.031	36.213
rs72768517	ebi-a-GCST90027161	15	101690728	C/T	0.953	0.048	-0.024	0.020	0.246	24.936
rs147711004	ebi-a-GCST90027161	19	45337918	G/A	0.965	0.036	-0.025	0.030	0.416	20.587
rs145414632	ebi-a-GCST90027161	20	57264442	G/A	0.965	0.035	-0.025	0.029	0.390	20.396
rs10893573	ebi-a-GCST90027161	11	126673245	G/A	0.744	0.256	-0.027	0.011	0.017	22.996
rs145053926	ebi-a-GCST90027161	5	24327826	C/T	0.983	0.017	-0.029	0.049	0.552	21.215
rs76712070	ebi-a-GCST90027161	1	243050615	A/G	0.953	0.047	-0.030	0.028	0.282	29.630
rs112161276	ebi-a-GCST90027161	16	89157046	G/A	0.931	0.069	-0.048	0.020	0.015	20.655
rs117954232	ebi-a-GCST90027161	6	155331331	C/T	0.989	0.011	-0.073	0.058	0.204	23.271

airy vs no dairy

rs117042408	ebi-a-GCST90027161	7	55623391	G/A	0.977	0.023	0.032	0.037	0.386	21.112
rs10742615	ebi-a-GCST90027161	11	5324977	G/T	0.248	0.248	0.011	0.012	0.341	24.254
rs72966064	ebi-a-GCST90027161	2	219689522	G/A	0.939	0.061	0.011	0.019	0.548	20.187
rs149559639	ebi-a-GCST90027161	3	67962114	G/A	0.947	0.053	0.011	0.022	0.624	22.308
rs113784984	ebi-a-GCST90027161	1	94022407	T/G	0.986	0.014	0.008	0.066	0.898	19.675
rs11043241	ebi-a-GCST90027161	12	122352306	A/G	0.510	0.491	0.006	0.010	0.568	21.393
rs111797794	ebi-a-GCST90027161	19	28905043	A/G	0.971	0.029	0.005	0.032	0.886	23.143
rs12716937	ebi-a-GCST90027161	16	82148925	A/G	0.589	0.412	0.002	0.011	0.835	21.306
rs7032444	ebi-a-GCST90027161	9	80071833	G/T	0.302	0.302	0.001	0.011	0.938	23.709
rs2194511	ebi-a-GCST90027161	2	205820226	C/T	0.380	0.380	0.000	0.010	0.986	20.157
rs116920960	ebi-a-GCST90027161	11	57717924	G/A	0.935	0.065	-0.003	0.019	0.886	21.848
rs61974515	ebi-a-GCST90027161	14	58854075	C/T	0.426	0.426	-0.005	0.010	0.617	21.702
rs62534709	ebi-a-GCST90027161	9	9728370	C/T	0.852	0.148	-0.007	0.015	0.609	21.849
rs4686190	ebi-a-GCST90027161	3	7940295	A/G	0.852	0.148	-0.011	0.014	0.433	19.535
rs11090148	ebi-a-GCST90027161	22	22905672	C/T	0.492	0.492	-0.019	0.011	0.102	22.502
rs114233780	ebi-a-GCST90027161	5	24241285	C/A	0.977	0.023	-0.023	0.033	0.477	22.618

eggs, dairy, whey

rs117042408	ebi-a-GCST90027161	7	55623391	G/A	0.977	0.023	0.032	0.037	0.386	21.651
rs61834618	ebi-a-GCST90027161	1	239267833	A/C	0.870	0.130	0.018	0.019	0.350	20.225
rs10742615	ebi-a-GCST90027161	11	5324977	G/T	0.248	0.248	0.011	0.012	0.341	24.066
rs72966064	ebi-a-GCST90027161	2	219689522	G/A	0.939	0.061	0.011	0.019	0.548	20.729
rs149559639	ebi-a-GCST90027161	3	67962114	G/A	0.947	0.053	0.011	0.022	0.624	21.998
rs11043241	ebi-a-GCST90027161	12	122352306	A/G	0.510	0.491	0.006	0.010	0.568	23.338
rs111797794	ebi-a-GCST90027161	19	28905043	A/G	0.971	0.029	0.005	0.032	0.886	23.350
rs12723846	ebi-a-GCST90027161	1	22867319	G/A	0.811	0.189	0.003	0.013	0.815	20.827
rs12716937	ebi-a-GCST90027161	16	82148925	A/G	0.589	0.412	0.002	0.011	0.835	22.209
rs7032444	ebi-a-GCST90027161	9	80071833	G/T	0.302	0.302	0.001	0.011	0.938	23.024
rs77045602	ebi-a-GCST90027161	2	104670961	G/A	0.852	0.148	0.001	0.014	0.948	19.563
rs116920960	ebi-a-GCST90027161	11	57717924	G/A	0.935	0.065	-0.003	0.019	0.886	22.561

rs58231973	ebi-a-GCST90027161	14	58797647	G/A	0.443	0.443	-0.004	0.010	0.683	25.248
rs62534709	ebi-a-GCST90027161	9	9728370	C/T	0.852	0.148	-0.007	0.015	0.609	21.376
rs6688840	ebi-a-GCST90027161	1	8999506	C/T	0.928	0.072	-0.008	0.021	0.718	20.002
rs4686190	ebi-a-GCST90027161	3	7940295	A/G	0.852	0.148	-0.011	0.014	0.433	20.713
rs7024672	ebi-a-GCST90027161	9	22619647	G/A	0.200	0.200	-0.018	0.012	0.136	20.733
rs11090148	ebi-a-GCST90027161	22	22905672	C/T	0.492	0.492	-0.019	0.011	0.102	22.837
rs114233780	ebi-a-GCST90027161	5	24241285	C/A	0.977	0.023	-0.023	0.033	0.477	23.511
eggs vs no eggs r										
rs9274727	ebi-a-GCST90027161	6	32637696	T/G	0.752	0.248	0.057	0.015	0.000	19.596
rs142145800	ebi-a-GCST90027161	10	43547739	G/A	0.981	0.019	0.024	0.041	0.557	21.715
rs12544890	ebi-a-GCST90027161	8	142546990	A/G	0.113	0.113	0.012	0.017	0.482	20.859
rs2118274	ebi-a-GCST90027161	2	142521944	T/G	0.192	0.192	0.012	0.013	0.365	19.869
rs1714032	ebi-a-GCST90027161	4	35915836	C/T	0.868	0.132	0.008	0.016	0.603	20.347
rs2613121	ebi-a-GCST90027161	6	56768148	T/G	0.450	0.450	0.008	0.010	0.434	23.870
rs187071244	ebi-a-GCST90027161	5	55591543	C/T	0.957	0.044	0.006	0.023	0.777	25.045
rs2068698	ebi-a-GCST90027161	13	35152951	A/G	0.609	0.391	0.000	0.011	0.982	21.079
rs7203740	ebi-a-GCST90027161	16	81808816	C/T	0.124	0.124	-0.001	0.017	0.968	21.038
rs57960643	ebi-a-GCST90027161	5	119610265	A/G	0.962	0.038	-0.011	0.027	0.690	19.961
rs12502173	ebi-a-GCST90027161	4	56534881	C/A	0.910	0.091	-0.019	0.019	0.305	20.469
rs4324275	ebi-a-GCST90027161	2	139758810	T/C	0.959	0.041	-0.026	0.026	0.316	22.704
rs12328196	ebi-a-GCST90027161	2	56756790	G/A	0.963	0.037	-0.037	0.029	0.204	20.573
eggs, dairy, whea										
rs9274727	ebi-a-GCST90027161	6	32637696	T/G	0.752	0.248	0.057	0.015	0.000	22.941
rs149881180	ebi-a-GCST90027161	2	120247863	G/A	0.988	0.012	0.037	0.062	0.548	19.975
rs75385998	ebi-a-GCST90027161	8	62901591	T/C	0.987	0.013	0.035	0.049	0.484	19.626
rs3734960	ebi-a-GCST90027161	7	154684153	T/C	0.734	0.266	0.028	0.011	0.016	20.113
rs142145800	ebi-a-GCST90027161	10	43547739	G/A	0.981	0.019	0.024	0.041	0.557	21.171
rs12544890	ebi-a-GCST90027161	8	142546990	A/G	0.113	0.113	0.012	0.017	0.482	20.272
rs2118274	ebi-a-GCST90027161	2	142521944	T/G	0.192	0.192	0.012	0.013	0.365	21.076
rs2613121	ebi-a-GCST90027161	6	56768148	T/G	0.450	0.450	0.008	0.010	0.434	24.305
rs1655062	ebi-a-GCST90027161	4	35912488	G/A	0.868	0.132	0.008	0.016	0.615	20.054
rs1648133	ebi-a-GCST90027161	11	109946116	G/A	0.518	0.482	0.007	0.010	0.489	20.541
rs187071244	ebi-a-GCST90027161	5	55591543	C/T	0.957	0.044	0.006	0.023	0.777	24.915
rs6504572	ebi-a-GCST90027161	17	66015861	T/C	0.305	0.305	0.006	0.011	0.567	19.793
rs4558056	ebi-a-GCST90027161	10	70401976	C/T	0.725	0.275	0.001	0.011	0.935	19.628
rs2068698	ebi-a-GCST90027161	13	35152951	A/G	0.609	0.391	0.000	0.011	0.982	21.496
rs7742212	ebi-a-GCST90027161	6	128328833	G/A	0.456	0.456	-0.001	0.010	0.957	20.065
rs7203740	ebi-a-GCST90027161	16	81808816	C/T	0.124	0.124	-0.001	0.017	0.968	21.084
rs10748881	ebi-a-GCST90027161	10	107326629	G/T	0.432	0.432	-0.002	0.010	0.852	23.243
rs57960643	ebi-a-GCST90027161	5	119610265	A/G	0.962	0.038	-0.011	0.027	0.690	20.561
rs12698822	ebi-a-GCST90027161	7	69417428	T/G	0.676	0.324	-0.018	0.011	0.099	19.786
rs12502173	ebi-a-GCST90027161	4	56534881	C/A	0.910	0.091	-0.019	0.019	0.305	22.068
rs4324275	ebi-a-GCST90027161	2	139758810	T/C	0.959	0.041	-0.026	0.026	0.316	23.090
rs76097891	ebi-a-GCST90027161	2	56757268	A/G	0.963	0.037	-0.037	0.029	0.204	20.119
eggs, dairy, whea										
rs2048927	ebi-a-GCST90027161	2	63578504	A/G	0.044	0.044	0.037	0.029	0.202	21.637
rs117876876	ebi-a-GCST90027161	12	131648849	C/T	0.980	0.020	0.033	0.036	0.350	24.805
rs830651	ebi-a-GCST90027161	3	71645511	T/C	0.582	0.418	0.033	0.010	0.002	23.002
rs13062583	ebi-a-GCST90027161	3	101708972	T/C	0.935	0.065	0.028	0.021	0.169	21.994
rs2842797	ebi-a-GCST90027161	6	63080800	A/G	0.053	0.053	0.028	0.027	0.301	21.654

rs116978595	ebi-a-GCST90027161	12	85816826	G/A	0.982	0.019	0.027	0.041	0.505	24.772
rs76329760	ebi-a-GCST90027161	8	85159831	G/A	0.951	0.049	0.027	0.025	0.282	20.524
rs28529403	ebi-a-GCST90027161	16	30134656	T/C	0.593	0.408	0.022	0.010	0.037	36.393
rs13340461	ebi-a-GCST90027161	6	41924278	C/T	0.733	0.267	0.021	0.012	0.071	33.056
rs4713669	ebi-a-GCST90027161	6	33697552	G/A	0.522	0.478	0.019	0.010	0.065	22.154
rs34028213	ebi-a-GCST90027161	7	115054178	C/T	0.932	0.068	0.019	0.021	0.379	24.528
rs6474850	ebi-a-GCST90027161	9	14662459	A/G	0.141	0.141	0.018	0.014	0.202	20.521
rs10092219	ebi-a-GCST90027161	8	118772299	C/A	0.929	0.071	0.018	0.020	0.377	19.377
rs7536931	ebi-a-GCST90027161	1	207677486	G/A	0.521	0.479	0.018	0.010	0.084	20.697
rs6902789	ebi-a-GCST90027161	6	105358192	G/A	0.630	0.370	0.017	0.011	0.103	36.187
rs946120	ebi-a-GCST90027161	6	97544329	A/G	0.452	0.452	0.016	0.010	0.127	21.511
rs11789404	ebi-a-GCST90027161	9	11055480	A/G	0.828	0.172	0.016	0.013	0.231	21.931
rs7577697	ebi-a-GCST90027161	2	168570776	T/C	0.669	0.331	0.015	0.011	0.154	24.761
rs10760201	ebi-a-GCST90027161	9	124641918	G/A	0.326	0.326	0.014	0.011	0.199	36.541
rs477793	ebi-a-GCST90027161	13	28204859	A/G	0.555	0.445	0.014	0.010	0.186	21.504
rs10869148	ebi-a-GCST90027161	9	74834384	C/T	0.684	0.316	0.012	0.011	0.272	27.147
rs11590260	ebi-a-GCST90027161	1	23278961	G/A	0.716	0.284	0.012	0.012	0.320	19.831
rs28629271	ebi-a-GCST90027161	16	72003732	C/T	0.753	0.247	0.011	0.012	0.331	24.629
rs255522	ebi-a-GCST90027161	5	151349490	A/G	0.231	0.231	0.011	0.012	0.351	22.915
rs2655641	ebi-a-GCST90027161	6	92151306	T/C	0.483	0.483	0.011	0.010	0.273	28.352
rs8129688	ebi-a-GCST90027161	21	44369755	G/A	0.823	0.177	0.009	0.014	0.513	24.044
rs3757683	ebi-a-GCST90027161	7	23936617	C/T	0.599	0.401	0.009	0.010	0.412	23.794
rs1065852	ebi-a-GCST90027161	22	42526694	G/A	0.814	0.186	0.008	0.014	0.543	27.899
rs10884152	ebi-a-GCST90027161	10	107258114	C/T	0.403	0.403	0.008	0.011	0.442	24.054
rs10788569	ebi-a-GCST90027161	10	89604732	T/C	0.742	0.259	0.008	0.012	0.527	22.358
rs2240729	ebi-a-GCST90027161	17	32941259	G/A	0.370	0.370	0.008	0.011	0.488	21.693
rs78500468	ebi-a-GCST90027161	1	38609183	A/G	0.837	0.163	0.007	0.013	0.587	27.802
rs12911557	ebi-a-GCST90027161	15	66127257	A/G	0.107	0.107	0.007	0.015	0.636	23.754
rs2203885	ebi-a-GCST90027161	3	155362628	G/A	0.643	0.357	0.007	0.011	0.512	19.719
rs11789249	ebi-a-GCST90027161	9	27839795	G/A	0.722	0.278	0.006	0.012	0.589	21.659
rs7903146	ebi-a-GCST90027161	10	114758349	C/T	0.750	0.250	0.005	0.012	0.667	44.256
rs12938531	ebi-a-GCST90027161	17	8125541	A/G	0.458	0.458	0.005	0.010	0.654	33.787
rs11897809	ebi-a-GCST90027161	2	15021145	A/C	0.636	0.364	0.004	0.011	0.676	25.107
rs17018945	ebi-a-GCST90027161	3	81502898	A/G	0.913	0.087	0.004	0.018	0.825	26.010
rs1426371	ebi-a-GCST90027161	12	108629780	G/A	0.701	0.299	0.003	0.011	0.809	25.649
rs62107261	ebi-a-GCST90027161	2	422144	T/C	0.964	0.037	0.002	0.030	0.939	24.852
rs360180	ebi-a-GCST90027161	14	47091395	T/G	0.357	0.357	0.002	0.011	0.863	40.760
rs111607747	ebi-a-GCST90027161	2	53986698	G/T	0.729	0.271	0.002	0.011	0.886	23.939
rs6431443	ebi-a-GCST90027161	2	237150311	T/C	0.753	0.248	0.001	0.011	0.903	23.858
rs11025417	ebi-a-GCST90027161	11	20183835	T/G	0.605	0.395	0.001	0.010	0.898	24.067
rs207355	ebi-a-GCST90027161	4	19011615	A/G	0.329	0.329	-0.001	0.011	0.950	25.630
rs6030775	ebi-a-GCST90027161	20	41939651	T/C	0.537	0.463	-0.001	0.010	0.943	28.301
rs7607656	ebi-a-GCST90027161	2	200145824	A/G	0.328	0.328	-0.001	0.011	0.949	26.541
rs2001569	ebi-a-GCST90027161	8	106310577	A/G	0.689	0.311	-0.001	0.011	0.896	24.649
rs17230558	ebi-a-GCST90027161	3	68205839	A/C	0.754	0.246	-0.002	0.012	0.868	22.357
rs1980753	ebi-a-GCST90027161	9	29502746	A/C	0.142	0.142	-0.002	0.015	0.873	24.288
rs3016635	ebi-a-GCST90027161	11	127804345	C/T	0.834	0.166	-0.003	0.014	0.861	23.179
rs2542264	ebi-a-GCST90027161	7	133480664	A/G	0.800	0.200	-0.003	0.013	0.837	24.012
rs72735016	ebi-a-GCST90027161	15	54179923	C/T	0.752	0.248	-0.003	0.012	0.819	21.451
rs8084696	ebi-a-GCST90027161	18	1819543	G/T	0.843	0.157	-0.003	0.014	0.846	27.635

rs2145598	ebi-a-GCST90027161	14	58794001	G/A	0.445	0.445	-0.003	0.010	0.752	20.705
rs17015753	ebi-a-GCST90027161	3	25111128	C/A	0.868	0.132	-0.004	0.015	0.799	19.955
rs57735331	ebi-a-GCST90027161	5	3326762	G/A	0.550	0.450	-0.004	0.010	0.700	23.522
rs7134495	ebi-a-GCST90027161	12	90549231	G/A	0.262	0.262	-0.004	0.012	0.723	19.835
rs12544197	ebi-a-GCST90027161	8	110107825	G/A	0.507	0.493	-0.004	0.010	0.685	19.446
rs41279350	ebi-a-GCST90027161	20	62858844	A/G	0.890	0.110	-0.004	0.017	0.797	22.768
rs1339882	ebi-a-GCST90027161	9	111532820	A/G	0.470	0.470	-0.005	0.010	0.662	20.333
rs13026283	ebi-a-GCST90027161	2	100842638	C/T	0.602	0.398	-0.005	0.010	0.655	33.247
rs1013652	ebi-a-GCST90027161	14	77513891	A/G	0.593	0.407	-0.005	0.010	0.653	25.227
rs2608911	ebi-a-GCST90027161	6	131929751	T/G	0.794	0.206	-0.005	0.012	0.662	21.541
rs114700549	ebi-a-GCST90027161	1	91488926	A/C	0.954	0.046	-0.006	0.024	0.813	23.185
rs1446722	ebi-a-GCST90027161	2	77222206	A/G	0.561	0.439	-0.006	0.010	0.557	24.534
rs55663861	ebi-a-GCST90027161	17	11404009	A/G	0.818	0.182	-0.006	0.014	0.661	22.284
rs6689315	ebi-a-GCST90027161	1	2216391	A/G	0.708	0.292	-0.008	0.011	0.470	20.057
rs11969047	ebi-a-GCST90027161	6	21062731	A/G	0.822	0.178	-0.009	0.014	0.522	20.038
rs1571813	ebi-a-GCST90027161	9	2496009	T/C	0.177	0.177	-0.009	0.014	0.495	19.617
rs28413619	ebi-a-GCST90027161	2	1136042	G/A	0.379	0.379	-0.010	0.011	0.361	21.742
rs142107670	ebi-a-GCST90027161	1	99154739	G/A	0.986	0.015	-0.010	0.039	0.790	26.086
rs2691539	ebi-a-GCST90027161	7	77963846	T/G	0.444	0.444	-0.011	0.010	0.307	19.919
rs175175	ebi-a-GCST90027161	22	20128651	T/G	0.317	0.317	-0.011	0.011	0.318	21.390
rs75621887	ebi-a-GCST90027161	4	15128736	A/G	0.920	0.080	-0.011	0.019	0.562	36.428
rs11914608	ebi-a-GCST90027161	3	18704299	A/G	0.524	0.476	-0.011	0.010	0.261	22.060
rs55872725	ebi-a-GCST90027161	16	53809123	C/T	0.584	0.416	-0.012	0.010	0.226	21.250
rs35271072	ebi-a-GCST90027161	16	6285410	C/T	0.902	0.098	-0.013	0.019	0.494	20.629
rs12402946	ebi-a-GCST90027161	1	182017109	C/T	0.836	0.164	-0.013	0.014	0.345	20.014
rs4777725	ebi-a-GCST90027161	15	92719909	C/T	0.721	0.279	-0.013	0.015	0.383	19.971
rs7947395	ebi-a-GCST90027161	11	56469956	T/C	0.699	0.301	-0.013	0.011	0.241	27.209
rs12805664	ebi-a-GCST90027161	11	63856635	A/G	0.818	0.183	-0.013	0.013	0.314	20.368
rs28472470	ebi-a-GCST90027161	16	55981583	A/G	0.841	0.159	-0.014	0.014	0.315	19.767
rs1653301	ebi-a-GCST90027161	2	201076401	A/G	0.420	0.420	-0.014	0.010	0.166	22.189
rs10455260	ebi-a-GCST90027161	6	73168951	T/C	0.872	0.128	-0.015	0.016	0.326	23.159
rs7308320	ebi-a-GCST90027161	12	893613	T/C	0.750	0.250	-0.015	0.012	0.186	28.705
rs17031936	ebi-a-GCST90027161	3	34615898	A/G	0.731	0.269	-0.016	0.011	0.143	43.294
rs34647936	ebi-a-GCST90027161	19	19548239	T/G	0.827	0.173	-0.017	0.014	0.223	24.709
rs11073094	ebi-a-GCST90027161	15	35730927	C/T	0.204	0.204	-0.020	0.013	0.131	22.074
rs72961508	ebi-a-GCST90027161	11	84832228	G/A	0.952	0.049	-0.020	0.026	0.432	21.705
rs11678980	ebi-a-GCST90027161	2	162101261	G/A	0.566	0.435	-0.022	0.010	0.035	31.953
rs11005802	ebi-a-GCST90027161	10	59212316	C/T	0.841	0.159	-0.022	0.014	0.114	19.755
rs72663840	ebi-a-GCST90027161	8	64369432	C/T	0.973	0.027	-0.023	0.029	0.427	20.065
rs145731645	ebi-a-GCST90027161	4	45772801	T/C	0.976	0.025	-0.025	0.032	0.432	19.950
rs7221326	ebi-a-GCST90027161	17	73372456	A/C	0.170	0.170	-0.025	0.015	0.092	26.947
rs111972820	ebi-a-GCST90027161	12	43062187	G/A	0.975	0.026	-0.027	0.029	0.358	20.556
rs6737082	ebi-a-GCST90027161	2	25138040	A/C	0.537	0.463	-0.029	0.010	0.004	23.642
rs4580945	ebi-a-GCST90027161	7	35133245	A/G	0.696	0.304	-0.030	0.015	0.046	19.679
rs9825208	ebi-a-GCST90027161	3	101274807	G/T	0.543	0.457	-0.030	0.010	0.003	40.506
rs12439854	ebi-a-GCST90027161	15	88092929	A/G	0.420	0.420	-0.030	0.016	0.055	20.913
rs144118237	ebi-a-GCST90027161	3	107402313	G/T	0.994	0.006	-0.075	0.105	0.477	22.512

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rs117876876	ebi-a-GCST90027161	12	131648849	C/T	0.980	0.020	0.033	0.036	0.350	21.795
rs830651	ebi-a-GCST90027161	3	71645511	T/C	0.582	0.418	0.033	0.010	0.002	20.758

rs13062583	ebi-a-GCST90027161	3	101708972	T/C	0.935	0.065	0.028	0.021	0.169	22.145
rs2842797	ebi-a-GCST90027161	6	63080800	A/G	0.053	0.053	0.028	0.027	0.301	21.040
rs116978595	ebi-a-GCST90027161	12	85816826	G/A	0.982	0.019	0.027	0.041	0.505	24.435
rs76329760	ebi-a-GCST90027161	8	85159831	G/A	0.951	0.049	0.027	0.025	0.282	20.306
rs28529403	ebi-a-GCST90027161	16	30134656	T/C	0.593	0.408	0.022	0.010	0.037	37.249
rs6136330	ebi-a-GCST90027161	20	18198782	A/G	0.628	0.372	0.019	0.010	0.066	20.529
rs34028213	ebi-a-GCST90027161	7	115054178	C/T	0.932	0.068	0.019	0.021	0.379	24.011
rs10092219	ebi-a-GCST90027161	8	118772299	C/A	0.929	0.071	0.018	0.020	0.377	20.440
rs12462756	ebi-a-GCST90027161	19	50098423	G/A	0.839	0.161	0.018	0.014	0.197	20.597
rs6902789	ebi-a-GCST90027161	6	105358192	G/A	0.630	0.370	0.017	0.011	0.103	34.700
rs1206153	ebi-a-GCST90027161	6	97546036	T/C	0.470	0.470	0.016	0.010	0.115	20.873
rs59307720	ebi-a-GCST90027161	3	189508080	T/G	0.864	0.137	0.016	0.015	0.278	19.527
rs7577697	ebi-a-GCST90027161	2	168570776	T/C	0.669	0.331	0.015	0.011	0.154	22.571
rs80090726	ebi-a-GCST90027161	11	20231435	G/A	0.934	0.066	0.015	0.021	0.466	23.660
rs10760201	ebi-a-GCST90027161	9	124641918	G/A	0.326	0.326	0.014	0.011	0.199	36.772
rs477793	ebi-a-GCST90027161	13	28204859	A/G	0.555	0.445	0.014	0.010	0.186	22.222
rs10869148	ebi-a-GCST90027161	9	74834384	C/T	0.684	0.316	0.012	0.011	0.272	27.241
rs11590260	ebi-a-GCST90027161	1	23278961	G/A	0.716	0.284	0.012	0.012	0.320	20.675
rs28629271	ebi-a-GCST90027161	16	72003732	C/T	0.753	0.247	0.011	0.012	0.331	24.295
rs255522	ebi-a-GCST90027161	5	151349490	A/G	0.231	0.231	0.011	0.012	0.351	21.796
rs1826088	ebi-a-GCST90027161	11	50429669	G/A	0.937	0.063	0.011	0.029	0.709	24.413
rs13185520	ebi-a-GCST90027161	5	137807260	G/A	0.394	0.394	0.010	0.011	0.361	21.786
rs4752563	ebi-a-GCST90027161	10	123205738	A/G	0.569	0.432	0.009	0.010	0.363	20.217
rs9754122	ebi-a-GCST90027161	21	44369394	A/G	0.823	0.177	0.009	0.014	0.522	22.999
rs7036107	ebi-a-GCST90027161	9	92177897	A/G	0.487	0.487	0.009	0.010	0.394	27.922
rs3757683	ebi-a-GCST90027161	7	23936617	C/T	0.599	0.401	0.009	0.010	0.412	21.795
rs10884152	ebi-a-GCST90027161	10	107258114	C/T	0.403	0.403	0.008	0.011	0.442	24.037
rs2748287	ebi-a-GCST90027161	6	92139101	G/A	0.507	0.493	0.008	0.010	0.429	28.518
rs10788569	ebi-a-GCST90027161	10	89604732	T/C	0.742	0.259	0.008	0.012	0.527	22.220
rs2240729	ebi-a-GCST90027161	17	32941259	G/A	0.370	0.370	0.008	0.011	0.488	22.687
rs78500468	ebi-a-GCST90027161	1	38609183	A/G	0.837	0.163	0.007	0.013	0.587	28.360
rs12911557	ebi-a-GCST90027161	15	66127257	A/G	0.107	0.107	0.007	0.015	0.636	23.455
rs2203885	ebi-a-GCST90027161	3	155362628	G/A	0.643	0.357	0.007	0.011	0.512	19.346
rs11789249	ebi-a-GCST90027161	9	27839795	G/A	0.722	0.278	0.006	0.012	0.589	24.060
rs7903146	ebi-a-GCST90027161	10	114758349	C/T	0.750	0.250	0.005	0.012	0.667	44.262
rs478975	ebi-a-GCST90027161	1	234773373	G/A	0.392	0.392	0.005	0.010	0.624	20.760
rs12938531	ebi-a-GCST90027161	17	8125541	A/G	0.458	0.458	0.005	0.010	0.654	34.417
rs11897809	ebi-a-GCST90027161	2	15021145	A/C	0.636	0.364	0.004	0.011	0.676	25.861
rs34783916	ebi-a-GCST90027161	3	81514433	T/C	0.913	0.087	0.004	0.018	0.812	24.471
rs12805344	ebi-a-GCST90027161	11	63858714	G/A	0.883	0.118	0.004	0.016	0.789	25.299
rs12573899	ebi-a-GCST90027161	11	98103127	A/G	0.952	0.048	0.004	0.020	0.842	20.555
rs11716779	ebi-a-GCST90027161	3	47606215	A/G	0.768	0.232	0.003	0.013	0.805	27.897
rs1426371	ebi-a-GCST90027161	12	108629780	G/A	0.701	0.299	0.003	0.011	0.809	24.179
rs62107261	ebi-a-GCST90027161	2	422144	T/C	0.964	0.037	0.002	0.030	0.939	23.967
rs360180	ebi-a-GCST90027161	14	47091395	T/G	0.357	0.357	0.002	0.011	0.863	40.918
rs207355	ebi-a-GCST90027161	4	19011615	A/G	0.329	0.329	-0.001	0.011	0.950	23.597
rs6030775	ebi-a-GCST90027161	20	41939651	T/C	0.537	0.463	-0.001	0.010	0.943	29.151
rs7607656	ebi-a-GCST90027161	2	200145824	A/G	0.328	0.328	-0.001	0.011	0.949	27.567
rs2001569	ebi-a-GCST90027161	8	106310577	A/G	0.689	0.311	-0.001	0.011	0.896	24.197
rs1195088	ebi-a-GCST90027161	19	42350966	G/A	0.796	0.204	-0.002	0.012	0.851	21.362

rs1980753	ebi-a-GCST90027161	9	29502746	A/C	0.142	0.142	-0.002	0.015	0.873	24.513
rs3016635	ebi-a-GCST90027161	11	127804345	C/T	0.834	0.166	-0.003	0.014	0.861	24.210
rs2542264	ebi-a-GCST90027161	7	133480664	A/G	0.800	0.200	-0.003	0.013	0.837	25.875
rs57735331	ebi-a-GCST90027161	5	3326762	G/A	0.550	0.450	-0.004	0.010	0.700	23.805
rs41279350	ebi-a-GCST90027161	20	62858844	A/G	0.890	0.110	-0.004	0.017	0.797	19.715
rs838133	ebi-a-GCST90027161	19	49259529	A/G	0.409	0.409	-0.004	0.011	0.683	47.358
rs13026283	ebi-a-GCST90027161	2	100842638	C/T	0.602	0.398	-0.005	0.010	0.655	34.368
rs1013652	ebi-a-GCST90027161	14	77513891	A/G	0.593	0.407	-0.005	0.010	0.653	25.354
rs2608911	ebi-a-GCST90027161	6	131929751	T/G	0.794	0.206	-0.005	0.012	0.662	22.388
rs114700549	ebi-a-GCST90027161	1	91488926	A/C	0.954	0.046	-0.006	0.024	0.813	22.123
rs4855288	ebi-a-GCST90027161	3	162946222	T/C	0.742	0.258	-0.006	0.012	0.633	20.210
rs1446722	ebi-a-GCST90027161	2	77222206	A/G	0.561	0.439	-0.006	0.010	0.557	24.745
rs55663861	ebi-a-GCST90027161	17	11404009	A/G	0.818	0.182	-0.006	0.014	0.661	21.530
rs3806500	ebi-a-GCST90027161	2	236401742	C/T	0.867	0.133	-0.007	0.016	0.682	22.496
rs10267939	ebi-a-GCST90027161	7	105002182	C/T	0.544	0.456	-0.007	0.010	0.493	32.214
rs11969047	ebi-a-GCST90027161	6	21062731	A/G	0.822	0.178	-0.009	0.014	0.522	23.065
rs28413619	ebi-a-GCST90027161	2	1136042	G/A	0.379	0.379	-0.010	0.011	0.361	22.744
rs142107670	ebi-a-GCST90027161	1	99154739	G/A	0.986	0.015	-0.010	0.039	0.790	27.464
rs6475044	ebi-a-GCST90027161	9	16355870	C/T	0.514	0.487	-0.011	0.010	0.294	22.270
rs175175	ebi-a-GCST90027161	22	20128651	T/G	0.317	0.317	-0.011	0.011	0.318	21.565
rs75621887	ebi-a-GCST90027161	4	15128736	A/G	0.920	0.080	-0.011	0.019	0.562	32.807
rs75989330	ebi-a-GCST90027161	14	102013809	C/T	0.944	0.056	-0.011	0.026	0.661	23.018
rs11914608	ebi-a-GCST90027161	3	18704299	A/G	0.524	0.476	-0.011	0.010	0.261	19.814
rs2105779	ebi-a-GCST90027161	11	109673783	G/A	0.762	0.238	-0.012	0.012	0.328	19.304
rs1421085	ebi-a-GCST90027161	16	53800954	T/C	0.584	0.416	-0.012	0.010	0.223	23.238
rs12402946	ebi-a-GCST90027161	1	182017109	C/T	0.836	0.164	-0.013	0.014	0.345	20.861
rs1653301	ebi-a-GCST90027161	2	201076401	A/G	0.420	0.420	-0.014	0.010	0.166	21.684
rs10455260	ebi-a-GCST90027161	6	73168951	T/C	0.872	0.128	-0.015	0.016	0.326	26.119
rs7308320	ebi-a-GCST90027161	12	893613	T/C	0.750	0.250	-0.015	0.012	0.186	29.549
rs11669516	ebi-a-GCST90027161	19	19532682	G/A	0.827	0.173	-0.016	0.014	0.230	24.466
rs17031936	ebi-a-GCST90027161	3	34615898	A/G	0.731	0.269	-0.016	0.011	0.143	42.794
rs35009641	ebi-a-GCST90027161	2	220432957	G/A	0.944	0.057	-0.017	0.021	0.409	19.869
rs11073094	ebi-a-GCST90027161	15	35730927	C/T	0.204	0.204	-0.020	0.013	0.131	23.087
rs72961508	ebi-a-GCST90027161	11	84832228	G/A	0.952	0.049	-0.020	0.026	0.432	21.548
rs11678980	ebi-a-GCST90027161	2	162101261	G/A	0.566	0.435	-0.022	0.010	0.035	35.443
rs11005802	ebi-a-GCST90027161	10	59212316	C/T	0.841	0.159	-0.022	0.014	0.114	19.986
rs7221326	ebi-a-GCST90027161	17	73372456	A/C	0.170	0.170	-0.025	0.015	0.092	25.552
rs6737082	ebi-a-GCST90027161	2	25138040	A/C	0.537	0.463	-0.029	0.010	0.004	23.288
rs144592895	ebi-a-GCST90027161	11	14192192	G/A	0.952	0.048	-0.030	0.029	0.302	20.269
rs6458247	ebi-a-GCST90027161	6	41820654	A/G	0.258	0.258	-0.030	0.012	0.009	33.284
rs9825208	ebi-a-GCST90027161	3	101274807	G/T	0.543	0.457	-0.030	0.010	0.003	38.992
rs72903826	ebi-a-GCST90027161	18	41446923	C/A	0.941	0.060	-0.033	0.020	0.092	20.028
rs144118237	ebi-a-GCST90027161	3	107402313	G/T	0.994	0.006	-0.075	0.105	0.477	22.517

eggs, dairy, whe:

rs113280731	ebi-a-GCST90027161	6	33721882	G/A	0.989	0.011	0.121	0.084	0.149	21.949
rs6795523	ebi-a-GCST90027161	3	118688394	G/A	0.981	0.019	0.075	0.048	0.123	20.359
rs115427188	ebi-a-GCST90027161	7	101054716	G/A	0.987	0.013	0.042	0.048	0.377	21.204
rs10260897	ebi-a-GCST90027161	7	15009865	A/G	0.804	0.196	0.020	0.014	0.146	19.785
rs2916098	ebi-a-GCST90027161	12	106364098	C/A	0.905	0.095	0.018	0.020	0.367	27.549
rs1800137	ebi-a-GCST90027161	12	57548466	C/T	0.985	0.015	0.012	0.043	0.771	21.052

rs12764457	ebi-a-GCST90027161	10	107419950	A/G	0.786	0.214	0.007	0.012	0.580	20.080
rs13281534	ebi-a-GCST90027161	8	10514920	A/G	0.876	0.124	0.005	0.017	0.768	21.826
rs15396	ebi-a-GCST90027161	1	111891170	A/C	0.914	0.086	0.004	0.018	0.813	19.766
rs13179146	ebi-a-GCST90027161	5	92179836	C/T	0.805	0.195	-0.002	0.013	0.900	19.587
rs7529815	ebi-a-GCST90027161	1	62082629	G/A	0.682	0.319	-0.003	0.011	0.793	20.027
rs6494533	ebi-a-GCST90027161	15	65977891	C/T	0.768	0.232	-0.013	0.012	0.284	23.106
rs6990907	ebi-a-GCST90027161	8	68153857	A/G	0.535	0.465	-0.014	0.010	0.184	21.860
rs75403163	ebi-a-GCST90027161	2	11906049	G/A	0.948	0.052	-0.022	0.022	0.316	22.196
rs150410211	ebi-a-GCST90027161	10	69722993	A/G	0.975	0.025	-0.040	0.028	0.151	25.423
rs1281934	ebi-a-GCST90027161	6	32584382	A/G	0.951	0.049	-0.067	0.035	0.058	40.525
rs117369056	ebi-a-GCST90027161	15	89579118	G/A	0.992	0.008	-0.087	0.064	0.174	19.881

heat vs no wheat

rs113280731	ebi-a-GCST90027161	6	33721882	G/A	0.989	0.011	0.121	0.084	0.149	21.102
rs6795523	ebi-a-GCST90027161	3	118688394	G/A	0.981	0.019	0.075	0.048	0.123	19.595
rs115427188	ebi-a-GCST90027161	7	101054716	G/A	0.987	0.013	0.042	0.048	0.377	21.287
rs2916098	ebi-a-GCST90027161	12	106364098	C/A	0.905	0.095	0.018	0.020	0.367	27.289
rs113007364	ebi-a-GCST90027161	8	70978327	T/C	0.926	0.074	0.015	0.019	0.423	19.590
rs34591731	ebi-a-GCST90027161	13	100492097	C/T	0.422	0.422	0.014	0.010	0.181	19.670
rs75659565	ebi-a-GCST90027161	4	14074437	A/G	0.932	0.068	0.014	0.021	0.520	20.195
rs1800137	ebi-a-GCST90027161	12	57548466	C/T	0.985	0.015	0.012	0.043	0.771	21.068
rs13281534	ebi-a-GCST90027161	8	10514920	A/G	0.876	0.124	0.005	0.017	0.768	20.745
rs15396	ebi-a-GCST90027161	1	111891170	A/C	0.914	0.086	0.004	0.018	0.813	20.954
rs7529815	ebi-a-GCST90027161	1	62082629	G/A	0.682	0.319	-0.003	0.011	0.793	21.298
rs6990907	ebi-a-GCST90027161	8	68153857	A/G	0.535	0.465	-0.014	0.010	0.184	22.439
rs7181649	ebi-a-GCST90027161	15	66054349	T/C	0.766	0.234	-0.014	0.012	0.244	20.514
rs75403163	ebi-a-GCST90027161	2	11906049	G/A	0.948	0.052	-0.022	0.022	0.316	22.144
rs79513073	ebi-a-GCST90027161	5	4637977	A/G	0.966	0.035	-0.028	0.030	0.345	19.551
rs150410211	ebi-a-GCST90027161	10	69722993	A/G	0.975	0.025	-0.040	0.028	0.151	24.196
rs1281934	ebi-a-GCST90027161	6	32584382	A/G	0.951	0.049	-0.067	0.035	0.058	41.918
rs117369056	ebi-a-GCST90027161	15	89579118	G/A	0.992	0.008	-0.087	0.064	0.174	20.432

type details: Oli

rs118021630	ebi-a-GCST90027161	14	98647543	C/T	0.991	0.009	0.055	0.071	0.441	20.451
rs2422250	ebi-a-GCST90027161	11	36409726	C/T	0.908	0.092	0.033	0.017	0.047	20.204
rs6493048	ebi-a-GCST90027161	15	42787459	G/A	0.912	0.089	0.012	0.016	0.473	21.157
rs2445304	ebi-a-GCST90027161	11	5038516	A/G	0.503	0.497	0.007	0.010	0.488	21.742
rs7601729	ebi-a-GCST90027161	2	48613181	G/A	0.759	0.241	0.003	0.012	0.843	20.761
rs17151588	ebi-a-GCST90027161	8	10149212	A/C	0.660	0.340	-0.001	0.011	0.913	25.617
rs4368608	ebi-a-GCST90027161	4	105326380	C/A	0.306	0.306	-0.005	0.011	0.631	22.201
rs79273158	ebi-a-GCST90027161	18	75789633	C/T	0.920	0.080	-0.012	0.020	0.563	21.434
rs1463865	ebi-a-GCST90027161	12	130651254	G/A	0.705	0.296	-0.012	0.011	0.301	22.095
rs857128	ebi-a-GCST90027161	1	57197927	A/C	0.744	0.256	-0.012	0.012	0.346	19.790
rs138492999	ebi-a-GCST90027161	1	90851291	T/C	0.981	0.019	-0.012	0.042	0.772	21.497
rs17606295	ebi-a-GCST90027161	5	178641027	C/T	0.915	0.085	-0.018	0.019	0.343	23.100
rs118036720	ebi-a-GCST90027161	9	5408587	T/C	0.988	0.012	-0.020	0.053	0.709	20.999
rs75989961	ebi-a-GCST90027161	14	98522675	T/G	0.922	0.078	-0.020	0.019	0.301	22.195
rs150592517	ebi-a-GCST90027161	3	189252156	C/T	0.988	0.012	-0.027	0.045	0.545	26.015
rs111741172	ebi-a-GCST90027161	5	5288345	G/A	0.976	0.024	-0.041	0.032	0.195	19.670
rs61985111	ebi-a-GCST90027161	14	53580208	C/T	0.977	0.023	-0.052	0.033	0.116	21.057

oily fish consum

rs143298256	ebi-a-GCST90027161	4	117601579	T/G	0.991	0.009	0.112	0.067	0.092	19.944

rs113253914	ebi-a-GCST90027161	22	42689945	G/T	0.922	0.078	0.028	0.018	0.122	23.318
rs11008697	ebi-a-GCST90027161	10	32225684	A/G	0.894	0.106	0.024	0.016	0.135	25.516
rs76713886	ebi-a-GCST90027161	1	243075179	T/C	0.896	0.104	0.021	0.017	0.203	24.699
rs2447091	ebi-a-GCST90027161	17	2296014	T/C	0.595	0.405	0.016	0.010	0.119	28.823
rs1731026	ebi-a-GCST90027161	16	8833404	G/A	0.095	0.095	0.016	0.018	0.371	19.886
rs4993942	ebi-a-GCST90027161	3	76733503	T/G	0.540	0.461	0.014	0.010	0.159	25.079
rs113222728	ebi-a-GCST90027161	7	147737450	A/G	0.956	0.044	0.014	0.023	0.546	20.597
rs11859365	ebi-a-GCST90027161	16	83683945	A/C	0.723	0.277	0.014	0.011	0.228	21.584
rs11680516	ebi-a-GCST90027161	2	208205711	T/C	0.810	0.190	0.012	0.013	0.353	35.501
rs4404328	ebi-a-GCST90027161	2	43135213	G/T	0.423	0.423	0.012	0.010	0.238	20.823
rs56864124	ebi-a-GCST90027161	18	58859363	C/A	0.664	0.336	0.012	0.011	0.255	23.456
rs79227500	ebi-a-GCST90027161	11	8007593	G/A	0.864	0.136	0.012	0.015	0.411	27.948
rs148382022	ebi-a-GCST90027161	21	17070515	A/G	0.888	0.112	0.010	0.016	0.532	22.496
rs7792729	ebi-a-GCST90027161	7	135224975	A/G	0.734	0.266	0.010	0.011	0.396	23.904
rs3799077	ebi-a-GCST90027161	6	69996217	T/G	0.688	0.313	0.009	0.011	0.392	37.170
rs75470318	ebi-a-GCST90027161	12	34735564	T/G	0.949	0.051	0.009	0.024	0.706	20.234
rs62034298	ebi-a-GCST90027161	15	87935526	C/T	0.945	0.055	0.009	0.023	0.716	20.379
rs17058987	ebi-a-GCST90027161	6	99431600	G/T	0.616	0.384	0.008	0.011	0.428	20.803
rs78769094	ebi-a-GCST90027161	2	204697332	C/T	0.972	0.028	0.008	0.029	0.780	20.439
rs35035059	ebi-a-GCST90027161	10	104314881	C/T	0.743	0.257	0.008	0.011	0.474	20.546
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	33.141
rs17084417	ebi-a-GCST90027161	18	69106533	A/G	0.911	0.089	0.008	0.019	0.677	20.629
rs10734398	ebi-a-GCST90027161	11	28583215	T/G	0.326	0.326	0.008	0.011	0.485	23.566
rs141615327	ebi-a-GCST90027161	10	43140331	G/A	0.982	0.018	0.007	0.041	0.865	21.872
rs4653047	ebi-a-GCST90027161	1	34957892	T/C	0.364	0.364	0.006	0.011	0.567	20.962
rs17518349	ebi-a-GCST90027161	1	223484727	C/T	0.745	0.255	0.005	0.012	0.645	19.984
rs399448	ebi-a-GCST90027161	20	52693614	A/C	0.798	0.202	0.005	0.012	0.674	26.278
rs538445	ebi-a-GCST90027161	18	40365619	T/C	0.392	0.392	0.005	0.010	0.651	20.699
rs9374302	ebi-a-GCST90027161	6	112240332	G/A	0.842	0.158	0.004	0.014	0.787	20.214
rs4415102	ebi-a-GCST90027161	5	167710877	C/T	0.853	0.147	0.003	0.014	0.809	25.170
rs6957745	ebi-a-GCST90027161	7	73056750	T/C	0.808	0.192	0.003	0.013	0.796	38.011
rs7326846	ebi-a-GCST90027161	13	28664016	C/T	0.385	0.385	0.003	0.011	0.771	30.043
rs10119	ebi-a-GCST90027161	19	45406673	G/A	0.710	0.290	0.003	0.011	0.793	22.117
rs2028278	ebi-a-GCST90027161	5	152507692	C/T	0.443	0.443	0.002	0.010	0.833	22.367
rs282709	ebi-a-GCST90027161	4	59506706	T/C	0.742	0.258	0.002	0.012	0.874	20.674
rs35287743	ebi-a-GCST90027161	12	110057250	G/T	0.887	0.113	0.002	0.016	0.901	39.881
rs9488268	ebi-a-GCST90027161	6	114165554	G/A	0.552	0.448	0.001	0.010	0.932	20.995
rs60132501	ebi-a-GCST90027161	4	23854482	C/T	0.989	0.011	-0.001	0.050	0.978	22.501
rs34207852	ebi-a-GCST90027161	7	152402621	C/T	0.433	0.433	-0.002	0.010	0.874	19.948
rs12630658	ebi-a-GCST90027161	3	25122238	T/C	0.424	0.424	-0.002	0.010	0.843	20.106
rs35522344	ebi-a-GCST90027161	14	100283856	C/T	0.634	0.366	-0.003	0.011	0.808	23.591
rs9370030	ebi-a-GCST90027161	6	51385945	T/C	0.815	0.185	-0.003	0.013	0.831	23.622
rs6986473	ebi-a-GCST90027161	8	64487672	C/T	0.228	0.228	-0.004	0.012	0.770	22.133
rs1603515	ebi-a-GCST90027161	4	44870444	A/G	0.078	0.078	-0.004	0.018	0.835	26.213
rs62066988	ebi-a-GCST90027161	17	37992281	C/T	0.667	0.333	-0.004	0.011	0.724	22.646
rs838133	ebi-a-GCST90027161	19	49259529	A/G	0.409	0.409	-0.004	0.011	0.683	94.916
rs61967887	ebi-a-GCST90027161	13	92858563	G/A	0.639	0.361	-0.005	0.011	0.671	21.779
rs17317920	ebi-a-GCST90027161	7	25517103	A/G	0.551	0.449	-0.006	0.010	0.590	21.334
rs11183346	ebi-a-GCST90027161	12	46510155	C/A	0.669	0.331	-0.007	0.011	0.520	21.914
rs6560	ebi-a-GCST90027161	11	67119427	G/A	0.967	0.034	-0.008	0.030	0.802	21.269

rs12555454	ebi-a-GCST90027161	9	116584812	T/C	0.663	0.338	-0.011	0.011	0.309	30.622
rs56094641	ebi-a-GCST90027161	16	53806453	A/G	0.583	0.417	-0.013	0.010	0.218	54.359
rs6747684	ebi-a-GCST90027161	2	57781712	A/G	0.785	0.215	-0.013	0.012	0.276	24.029
rs271078	ebi-a-GCST90027161	5	144536751	G/A	0.476	0.476	-0.014	0.010	0.163	27.548
rs7722373	ebi-a-GCST90027161	5	60247815	G/A	0.540	0.460	-0.015	0.010	0.153	24.106
rs2162769	ebi-a-GCST90027161	5	132540109	T/C	0.396	0.396	-0.015	0.011	0.168	20.500
rs9951835	ebi-a-GCST90027161	18	1575201	T/G	0.716	0.284	-0.015	0.011	0.194	22.074
rs34780411	ebi-a-GCST90027161	8	10094075	G/A	0.738	0.262	-0.015	0.011	0.183	27.140
rs1875775	ebi-a-GCST90027161	11	11172701	T/C	0.092	0.092	-0.018	0.017	0.275	23.597
rs4263763	ebi-a-GCST90027161	8	34523560	T/G	0.857	0.143	-0.020	0.015	0.172	22.804
rs1014320	ebi-a-GCST90027161	1	97549997	T/C	0.655	0.345	-0.021	0.011	0.055	25.236
rs78578220	ebi-a-GCST90027161	2	210227987	A/G	0.941	0.059	-0.021	0.020	0.274	22.639
rs1951283	ebi-a-GCST90027161	14	29764926	G/A	0.409	0.409	-0.023	0.010	0.025	29.898
rs9674606	ebi-a-GCST90027161	17	3638344	G/A	0.562	0.438	-0.023	0.010	0.024	22.087
rs9276710	ebi-a-GCST90027161	6	32757102	T/C	0.795	0.205	-0.030	0.013	0.020	32.258
rs12035039	ebi-a-GCST90027161	1	199261299	C/T	0.952	0.048	-0.032	0.022	0.143	19.745
rs150075454	ebi-a-GCST90027161	2	86212682	G/A	0.978	0.022	-0.032	0.033	0.328	22.775
rs59371352	ebi-a-GCST90027161	11	61450295	G/A	0.844	0.156	-0.033	0.014	0.016	21.442
rs111838379	ebi-a-GCST90027161	6	113207631	A/G	0.988	0.013	-0.046	0.045	0.316	23.316
rs184585616	ebi-a-GCST90027161	16	14747647	C/T	0.988	0.013	-0.057	0.051	0.261	22.738
by fish consumpt										
rs547416188	ebi-a-GCST90027161	1	230432791	C/A	0.991	0.009	0.125	0.090	0.165	23.892
rs1077934	ebi-a-GCST90027161	16	65828269	G/T	0.885	0.115	0.050	0.015	0.001	23.142
rs143249141	ebi-a-GCST90027161	6	67552193	A/G	0.943	0.057	0.046	0.024	0.053	22.630
rs77869596	ebi-a-GCST90027161	9	72936849	A/G	0.977	0.023	0.042	0.035	0.234	24.084
rs55742222	ebi-a-GCST90027161	7	2131215	A/C	0.968	0.032	0.033	0.030	0.270	20.739
rs114497213	ebi-a-GCST90027161	3	115214586	G/T	0.948	0.052	0.029	0.022	0.195	39.558
rs61882679	ebi-a-GCST90027161	11	46368559	G/T	0.915	0.085	0.026	0.018	0.152	33.675
rs1992284	ebi-a-GCST90027161	2	43065555	T/C	0.259	0.259	0.026	0.012	0.027	30.851
rs13077466	ebi-a-GCST90027161	3	35231021	A/G	0.699	0.301	0.025	0.011	0.024	30.426
rs144377835	ebi-a-GCST90027161	3	70581216	C/T	0.952	0.048	0.025	0.023	0.282	19.058
rs4817505	ebi-a-GCST90027161	21	34343828	T/C	0.591	0.409	0.025	0.010	0.018	19.124
rs112284905	ebi-a-GCST90027161	4	46291814	C/A	0.986	0.014	0.023	0.047	0.618	27.844
rs9597870	ebi-a-GCST90027161	13	59412819	T/G	0.766	0.234	0.022	0.012	0.075	34.153
rs3781441	ebi-a-GCST90027161	10	126692423	C/A	0.817	0.183	0.021	0.013	0.106	28.971
rs12497285	ebi-a-GCST90027161	3	24830148	T/C	0.605	0.395	0.017	0.010	0.097	30.004
rs1532480	ebi-a-GCST90027161	1	74236278	G/T	0.406	0.406	0.017	0.011	0.112	26.128
rs1876245	ebi-a-GCST90027161	3	71534763	T/C	0.585	0.415	0.017	0.010	0.102	46.352
rs143228039	ebi-a-GCST90027161	11	68237110	G/A	0.972	0.028	0.017	0.032	0.600	22.042
rs1558542	ebi-a-GCST90027161	7	55134272	C/T	0.828	0.172	0.016	0.014	0.249	21.141
rs75822607	ebi-a-GCST90027161	14	72407717	C/T	0.837	0.163	0.016	0.013	0.228	21.326
rs2092910	ebi-a-GCST90027161	20	12150042	C/T	0.374	0.374	0.015	0.011	0.172	22.603
rs11859365	ebi-a-GCST90027161	16	83683945	A/C	0.723	0.277	0.014	0.011	0.228	98.563
rs7874404	ebi-a-GCST90027161	9	136439803	C/T	0.818	0.182	0.013	0.017	0.450	24.685
rs7176782	ebi-a-GCST90027161	15	69477380	G/A	0.377	0.377	0.012	0.011	0.245	19.674
rs17050031	ebi-a-GCST90027161	2	59488019	C/T	0.538	0.462	0.012	0.010	0.241	42.243
rs1887858	ebi-a-GCST90027161	1	14806011	C/T	0.594	0.406	0.012	0.010	0.252	21.637
rs2413045	ebi-a-GCST90027161	22	31665862	A/G	0.173	0.173	0.012	0.014	0.408	70.791
rs6959568	ebi-a-GCST90027161	7	77770469	G/A	0.870	0.130	0.012	0.016	0.462	23.300
rs10513925	ebi-a-GCST90027161	18	58823309	C/T	0.666	0.334	0.011	0.011	0.306	29.123

rs11979380	ebi-a-GCST90027161	7	114364288	T/C	0.968	0.032	0.010	0.028	0.707	20.720
rs3124402	ebi-a-GCST90027161	13	55975115	A/G	0.258	0.258	0.010	0.012	0.369	92.473
rs6887101	ebi-a-GCST90027161	5	122109207	A/G	0.410	0.410	0.010	0.010	0.314	18.808
rs6455047	ebi-a-GCST90027161	6	66259546	A/G	0.645	0.355	0.010	0.011	0.333	26.247
rs953874	ebi-a-GCST90027161	7	39147916	G/A	0.710	0.291	0.010	0.011	0.350	19.164
rs2400095	ebi-a-GCST90027161	5	11979705	C/T	0.592	0.408	0.010	0.010	0.330	29.541
rs4778971	ebi-a-GCST90027161	15	79472522	A/G	0.408	0.408	0.010	0.011	0.340	22.812
rs6569751	ebi-a-GCST90027161	6	99433539	C/T	0.620	0.380	0.010	0.011	0.342	19.430
rs9841174	ebi-a-GCST90027161	3	167184878	T/C	0.581	0.419	0.010	0.010	0.337	59.795
rs2827161	ebi-a-GCST90027161	21	23340050	T/G	0.609	0.391	0.010	0.011	0.368	22.992
rs11233632	ebi-a-GCST90027161	11	83190682	C/T	0.397	0.397	0.009	0.010	0.368	38.137
rs4002471	ebi-a-GCST90027161	19	49215095	C/T	0.515	0.486	0.009	0.010	0.358	95.089
rs79638430	ebi-a-GCST90027161	20	43391255	G/A	0.749	0.251	0.009	0.012	0.428	22.125
rs141646433	ebi-a-GCST90027161	2	216409200	T/G	0.985	0.015	0.009	0.047	0.847	20.533
rs10891153	ebi-a-GCST90027161	11	110511811	A/G	0.832	0.168	0.009	0.014	0.516	21.547
rs4821724	ebi-a-GCST90027161	22	38315469	C/T	0.591	0.409	0.009	0.010	0.394	31.378
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	22.116
rs34095326	ebi-a-GCST90027161	19	45395844	G/A	0.865	0.135	0.007	0.014	0.601	22.635
rs55767920	ebi-a-GCST90027161	1	96408513	C/T	0.755	0.245	0.007	0.012	0.541	22.909
rs2325456	ebi-a-GCST90027161	13	72747080	A/G	0.746	0.254	0.007	0.012	0.544	19.771
rs9926182	ebi-a-GCST90027161	16	58849571	G/A	0.831	0.169	0.006	0.013	0.635	21.958
rs6465487	ebi-a-GCST90027161	7	95760694	A/G	0.596	0.405	0.006	0.010	0.560	39.604
rs9958099	ebi-a-GCST90027161	18	38271555	C/T	0.680	0.321	0.006	0.011	0.586	20.908
rs12806161	ebi-a-GCST90027161	11	88590109	G/A	0.562	0.438	0.006	0.010	0.577	32.496
rs113230003	ebi-a-GCST90027161	19	18460956	G/A	0.762	0.238	0.006	0.012	0.653	39.140
rs11785733	ebi-a-GCST90027161	8	51519246	T/C	0.342	0.342	0.005	0.011	0.618	24.519
rs7816914	ebi-a-GCST90027161	8	131928974	A/G	0.343	0.343	0.005	0.011	0.639	21.280
rs7972655	ebi-a-GCST90027161	12	23079828	C/T	0.534	0.466	0.005	0.010	0.629	23.937
rs10189857	ebi-a-GCST90027161	2	60713235	A/G	0.548	0.452	0.004	0.010	0.704	21.269
rs62580162	ebi-a-GCST90027161	9	129475762	A/G	0.454	0.454	0.004	0.010	0.728	20.990
rs56323322	ebi-a-GCST90027161	1	37055513	G/A	0.965	0.035	0.004	0.033	0.915	21.242
rs558887	ebi-a-GCST90027161	11	28712741	A/G	0.723	0.277	0.003	0.012	0.771	24.941
rs55985303	ebi-a-GCST90027161	2	77224951	G/A	0.745	0.255	0.003	0.012	0.767	33.329
rs809339	ebi-a-GCST90027161	8	64618629	A/G	0.218	0.218	0.003	0.013	0.788	50.123
rs8135943	ebi-a-GCST90027161	22	27292583	T/C	0.373	0.373	0.003	0.011	0.774	23.304
rs8026348	ebi-a-GCST90027161	15	35943377	A/G	0.797	0.203	0.003	0.014	0.811	22.331
rs35629785	ebi-a-GCST90027161	3	4248718	T/G	0.628	0.372	0.003	0.011	0.774	24.508
rs4261301	ebi-a-GCST90027161	11	58114984	C/T	0.551	0.449	0.002	0.010	0.813	27.245
rs10513136	ebi-a-GCST90027161	3	141107612	G/A	0.954	0.046	0.002	0.028	0.940	26.660
rs12057916	ebi-a-GCST90027161	1	190177772	A/G	0.463	0.463	0.002	0.010	0.838	19.465
rs11576565	ebi-a-GCST90027161	1	72114787	G/A	0.538	0.462	0.002	0.010	0.851	26.300
rs35287743	ebi-a-GCST90027161	12	110057250	G/T	0.887	0.113	0.002	0.016	0.901	81.364
rs661576	ebi-a-GCST90027161	5	59178233	G/A	0.470	0.470	0.002	0.010	0.871	24.127
rs4937724	ebi-a-GCST90027161	11	132697265	A/G	0.601	0.399	0.001	0.010	0.895	23.810
rs11650214	ebi-a-GCST90027161	17	29527117	G/A	0.876	0.124	0.001	0.016	0.953	34.228
rs12510107	ebi-a-GCST90027161	4	80849604	G/A	0.334	0.334	0.000	0.011	0.971	20.240
rs34921066	ebi-a-GCST90027161	12	125135227	G/A	0.494	0.494	0.000	0.010	0.989	21.923
rs10771003	ebi-a-GCST90027161	12	23710942	G/T	0.231	0.231	0.000	0.012	0.972	27.031
rs1361016	ebi-a-GCST90027161	13	54220229	T/G	0.148	0.148	-0.001	0.014	0.964	26.878
rs12966327	ebi-a-GCST90027161	18	73208445	C/T	0.658	0.343	-0.001	0.011	0.942	25.488

rs12666221	ebi-a-GCST90027161	7	14198845	T/G	0.171	0.171	-0.001	0.014	0.951	31.643
rs62170022	ebi-a-GCST90027161	2	147371204	C/T	0.609	0.392	-0.001	0.010	0.933	37.364
rs12456003	ebi-a-GCST90027161	18	23144197	C/T	0.563	0.437	-0.001	0.010	0.918	21.892
rs10839921	ebi-a-GCST90027161	11	7935616	C/T	0.701	0.300	-0.001	0.015	0.933	26.284
rs12855717	ebi-a-GCST90027161	13	101252635	C/T	0.458	0.458	-0.002	0.010	0.882	32.008
rs321975	ebi-a-GCST90027161	7	78308187	T/C	0.633	0.367	-0.003	0.011	0.802	28.450
rs1356270	ebi-a-GCST90027161	3	94994246	A/C	0.873	0.127	-0.003	0.015	0.861	23.778
rs62458738	ebi-a-GCST90027161	7	44066905	G/A	0.696	0.304	-0.003	0.011	0.801	20.376
rs7243428	ebi-a-GCST90027161	18	35156177	A/G	0.787	0.213	-0.003	0.013	0.828	29.431
rs9301836	ebi-a-GCST90027161	13	93477311	A/G	0.825	0.175	-0.003	0.013	0.837	22.975
rs11121633	ebi-a-GCST90027161	1	10898409	A/G	0.741	0.259	-0.003	0.012	0.783	21.144
rs7254235	ebi-a-GCST90027161	19	22212505	A/G	0.385	0.385	-0.003	0.011	0.754	26.490
rs10226234	ebi-a-GCST90027161	7	157827261	A/G	0.740	0.260	-0.004	0.012	0.749	20.708
rs13105324	ebi-a-GCST90027161	4	63816199	C/T	0.645	0.355	-0.004	0.011	0.697	21.216
rs6807666	ebi-a-GCST90027161	3	85594428	A/C	0.316	0.316	-0.004	0.011	0.709	46.366
rs9889161	ebi-a-GCST90027161	16	51495068	G/T	0.672	0.328	-0.005	0.011	0.678	45.033
rs11795347	ebi-a-GCST90027161	9	84004514	A/G	0.818	0.182	-0.005	0.013	0.709	28.073
rs4974084	ebi-a-GCST90027161	3	48939080	G/A	0.324	0.324	-0.005	0.011	0.635	21.298
rs4982738	ebi-a-GCST90027161	14	23650191	G/A	0.510	0.490	-0.005	0.015	0.719	26.078
rs7924937	ebi-a-GCST90027161	11	126599247	C/T	0.623	0.377	-0.005	0.010	0.618	32.293
rs7781495	ebi-a-GCST90027161	7	147536896	G/A	0.787	0.214	-0.005	0.012	0.659	22.914
rs6033437	ebi-a-GCST90027161	20	12495731	C/A	0.751	0.249	-0.006	0.012	0.629	37.208
rs276435	ebi-a-GCST90027161	9	15619125	T/C	0.474	0.474	-0.006	0.010	0.558	22.731
rs10981981	ebi-a-GCST90027161	9	116627557	C/T	0.687	0.313	-0.006	0.011	0.588	26.807
rs6478209	ebi-a-GCST90027161	9	100220102	T/C	0.507	0.493	-0.006	0.010	0.551	26.187
rs28533540	ebi-a-GCST90027161	15	47867762	G/A	0.445	0.445	-0.007	0.010	0.520	57.264
rs77349130	ebi-a-GCST90027161	3	37521411	G/A	0.960	0.040	-0.007	0.027	0.802	21.722
rs74970974	ebi-a-GCST90027161	2	49312167	T/C	0.617	0.383	-0.007	0.014	0.622	21.734
rs3132934	ebi-a-GCST90027161	6	32167009	G/T	0.327	0.327	-0.007	0.011	0.521	34.823
rs1371272	ebi-a-GCST90027161	18	1837204	G/A	0.850	0.150	-0.007	0.014	0.607	34.036
rs2909867	ebi-a-GCST90027161	5	85514313	C/T	0.507	0.493	-0.007	0.010	0.467	20.764
rs7443067	ebi-a-GCST90027161	5	164471035	C/T	0.671	0.329	-0.007	0.014	0.609	26.506
rs1958801	ebi-a-GCST90027161	14	98872110	A/G	0.739	0.261	-0.008	0.012	0.501	25.288
rs9860241	ebi-a-GCST90027161	3	157845169	G/A	0.560	0.440	-0.008	0.010	0.434	23.589
rs10061973	ebi-a-GCST90027161	5	166811498	G/T	0.524	0.476	-0.009	0.011	0.397	25.094
rs4131293	ebi-a-GCST90027161	18	22772069	C/T	0.579	0.421	-0.009	0.010	0.379	25.923
rs4274714	ebi-a-GCST90027161	3	146758405	C/T	0.392	0.392	-0.009	0.010	0.379	35.150
rs4938179	ebi-a-GCST90027161	11	115033425	G/T	0.744	0.256	-0.009	0.012	0.422	19.752
rs77258251	ebi-a-GCST90027161	3	111226958	A/G	0.943	0.057	-0.009	0.022	0.673	19.322
rs35237675	ebi-a-GCST90027161	17	77539035	C/A	0.870	0.130	-0.010	0.015	0.528	22.119
rs6667502	ebi-a-GCST90027161	1	177111162	T/C	0.546	0.455	-0.010	0.010	0.347	24.736
rs5007554	ebi-a-GCST90027161	5	144324495	T/G	0.380	0.380	-0.010	0.011	0.328	20.021
rs144696853	ebi-a-GCST90027161	19	37486142	A/G	0.881	0.119	-0.010	0.017	0.534	30.061
rs6089752	ebi-a-GCST90027161	20	61154393	C/T	0.452	0.452	-0.011	0.010	0.306	33.546
rs11993089	ebi-a-GCST90027161	8	10009952	G/T	0.552	0.448	-0.011	0.010	0.303	68.307
rs7749444	ebi-a-GCST90027161	6	57340919	C/T	0.391	0.391	-0.011	0.014	0.454	26.081
rs11747857	ebi-a-GCST90027161	5	141426179	C/T	0.628	0.372	-0.011	0.011	0.286	20.642
rs903676	ebi-a-GCST90027161	1	201754720	G/A	0.799	0.202	-0.012	0.013	0.369	27.025
rs1413710	ebi-a-GCST90027161	10	72346471	A/C	0.641	0.359	-0.012	0.011	0.264	25.672
rs3746515	ebi-a-GCST90027161	20	44664371	C/T	0.848	0.152	-0.012	0.014	0.391	20.514

rs1263464	ebi-a-GCST90027161	14	83460727	A/G	0.584	0.416	-0.012	0.010	0.230	22.240
rs1421085	ebi-a-GCST90027161	16	53800954	T/C	0.584	0.416	-0.012	0.010	0.223	80.079
rs9850051	ebi-a-GCST90027161	3	95640310	A/G	0.421	0.421	-0.013	0.011	0.233	19.666
rs4692105	ebi-a-GCST90027161	4	30828781	T/C	0.599	0.401	-0.013	0.010	0.201	28.817
rs2596655	ebi-a-GCST90027161	3	17232635	G/A	0.577	0.423	-0.013	0.010	0.199	33.388
rs17081398	ebi-a-GCST90027161	6	119865927	C/T	0.789	0.211	-0.013	0.012	0.285	20.643
rs679866	ebi-a-GCST90027161	2	164927581	G/A	0.218	0.218	-0.014	0.012	0.254	28.968
rs2015049	ebi-a-GCST90027161	17	45332231	G/A	0.831	0.169	-0.014	0.013	0.297	21.726
rs7511952	ebi-a-GCST90027161	1	96836930	A/G	0.693	0.307	-0.014	0.011	0.210	27.895
rs7147583	ebi-a-GCST90027161	14	25536371	G/A	0.445	0.445	-0.015	0.010	0.147	22.536
rs3008452	ebi-a-GCST90027161	1	88429257	T/C	0.507	0.493	-0.015	0.010	0.144	26.998
rs7312751	ebi-a-GCST90027161	12	94545349	T/C	0.370	0.370	-0.015	0.011	0.153	19.565
rs72821178	ebi-a-GCST90027161	17	31764917	T/C	0.898	0.102	-0.015	0.016	0.341	20.739
rs76000333	ebi-a-GCST90027161	7	10811601	A/C	0.807	0.193	-0.016	0.013	0.222	28.515
rs6059844	ebi-a-GCST90027161	20	33036482	A/G	0.466	0.466	-0.016	0.010	0.114	28.292
rs45501495	ebi-a-GCST90027161	1	204596454	C/T	0.750	0.250	-0.017	0.012	0.133	45.634
rs62408263	ebi-a-GCST90027161	6	69975399	C/T	0.830	0.171	-0.018	0.014	0.191	25.192
rs3923087	ebi-a-GCST90027161	17	63549261	T/C	0.220	0.220	-0.018	0.012	0.140	20.815
rs10422721	ebi-a-GCST90027161	19	34634306	G/A	0.847	0.154	-0.019	0.015	0.195	24.250
rs11767283	ebi-a-GCST90027161	7	121947456	A/G	0.754	0.246	-0.019	0.012	0.101	55.458
rs13001624	ebi-a-GCST90027161	2	143653631	T/C	0.694	0.306	-0.021	0.011	0.049	20.087
rs6759322	ebi-a-GCST90027161	2	171116933	T/C	0.408	0.408	-0.022	0.010	0.033	20.721
rs112603419	ebi-a-GCST90027161	4	82110785	G/A	0.920	0.081	-0.023	0.019	0.227	20.993
rs7148387	ebi-a-GCST90027161	14	29775132	A/G	0.409	0.409	-0.023	0.010	0.026	55.703
rs303825	ebi-a-GCST90027161	12	52209986	G/A	0.244	0.244	-0.023	0.012	0.053	36.262
rs552234	ebi-a-GCST90027161	9	106772283	G/A	0.517	0.483	-0.026	0.010	0.010	42.768
rs34333163	ebi-a-GCST90027161	4	103283117	A/G	0.951	0.049	-0.030	0.028	0.279	23.775
rs140475809	ebi-a-GCST90027161	6	129648104	C/T	0.978	0.022	-0.030	0.034	0.374	22.705
rs76352965	ebi-a-GCST90027161	6	88212666	T/C	0.957	0.044	-0.031	0.025	0.211	24.069
rs9422858	ebi-a-GCST90027161	10	126862142	A/C	0.548	0.453	-0.035	0.010	0.001	24.808
rs6769454	ebi-a-GCST90027161	3	117390399	G/A	0.963	0.037	-0.075	0.028	0.006	24.085

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rs78931342	ebi-a-GCST90027161	8	89885268	C/A	0.943	0.057	0.043	0.021	0.040	20.768
rs12038362	ebi-a-GCST90027161	1	154102171	T/C	0.869	0.132	0.028	0.015	0.064	22.656
rs142802104	ebi-a-GCST90027161	12	86231784	A/G	0.999	0.001	0.026	0.085	0.760	21.135
rs139254937	ebi-a-GCST90027161	1	48837454	C/A	0.964	0.036	0.022	0.027	0.412	19.998
rs12549728	ebi-a-GCST90027161	8	72463034	T/G	0.937	0.063	0.012	0.020	0.536	22.964
rs72651593	ebi-a-GCST90027161	1	27409975	A/G	0.813	0.187	0.009	0.013	0.502	21.068
rs10272338	ebi-a-GCST90027161	7	156882526	C/T	0.662	0.338	0.008	0.011	0.451	23.005
rs2555773	ebi-a-GCST90027161	6	93183933	A/G	0.289	0.289	0.007	0.011	0.519	20.620
rs114727806	ebi-a-GCST90027161	5	34407915	A/C	0.960	0.040	0.007	0.028	0.809	24.285
rs75986277	ebi-a-GCST90027161	6	5979237	A/G	0.958	0.042	0.006	0.025	0.800	22.432
rs11808603	ebi-a-GCST90027161	1	224300026	G/A	0.743	0.257	0.006	0.012	0.619	23.816
rs74241392	ebi-a-GCST90027161	11	112612379	C/T	0.806	0.195	-0.002	0.013	0.869	20.358
rs7912215	ebi-a-GCST90027161	10	124033278	G/A	0.665	0.335	-0.005	0.011	0.628	20.645
rs9603119	ebi-a-GCST90027161	13	37520333	G/A	0.960	0.040	-0.009	0.024	0.719	19.731
rs1002531	ebi-a-GCST90027161	7	88487936	T/C	0.972	0.028	-0.010	0.033	0.765	21.022
rs68141082	ebi-a-GCST90027161	5	106573093	G/A	0.912	0.089	-0.017	0.019	0.363	19.751
rs6561611	ebi-a-GCST90027161	13	51638235	G/T	0.476	0.476	-0.018	0.010	0.077	19.944
rs10929116	ebi-a-GCST90027161	2	236191790	C/T	0.367	0.367	-0.029	0.011	0.006	21.381

rs62452170	ebi-a-GCST90027161	7	13832646	C/T	0.943	0.057	-0.031	0.020	0.116	19.915
rs114763511	ebi-a-GCST90027161	5	97034858	A/G	0.984	0.017	-0.047	0.044	0.278	21.323
rs146872315	ebi-a-GCST90027161	8	10160083	A/G	0.982	0.018	-0.083	0.045	0.066	20.167
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rs138951160	ebi-a-GCST90027161	5	93312271	G/A	0.993	0.007	0.103	0.080	0.200	22.615
rs116951298	ebi-a-GCST90027161	10	132129710	A/G	0.988	0.012	0.079	0.052	0.124	21.345
rs4312362	ebi-a-GCST90027161	17	20849129	G/A	0.957	0.043	0.049	0.031	0.109	20.522
rs72981807	ebi-a-GCST90027161	6	140906115	A/G	0.901	0.099	0.043	0.016	0.008	26.317
rs200507668	ebi-a-GCST90027161	4	143704092	G/T	0.983	0.017	0.032	0.057	0.576	21.443
rs76027321	ebi-a-GCST90027161	14	51286095	G/A	0.992	0.008	0.031	0.078	0.694	20.392
rs10988713	ebi-a-GCST90027161	9	101884026	C/T	0.982	0.018	0.029	0.035	0.400	27.153
rs13262595	ebi-a-GCST90027161	8	143316970	A/G	0.425	0.425	0.027	0.010	0.008	32.059
rs7300779	ebi-a-GCST90027161	12	38443072	G/A	0.905	0.095	0.025	0.017	0.124	25.698
rs11512731	ebi-a-GCST90027161	11	57756402	A/G	0.637	0.363	0.023	0.011	0.029	27.084
rs2140836	ebi-a-GCST90027161	10	106768514	C/T	0.800	0.200	0.023	0.013	0.066	26.961
rs10433514	ebi-a-GCST90027161	3	82015839	T/C	0.872	0.128	0.019	0.016	0.223	21.627
rs10410799	ebi-a-GCST90027161	19	28951809	G/T	0.178	0.178	0.019	0.013	0.163	22.368
rs7189170	ebi-a-GCST90027161	16	9014385	G/A	0.364	0.364	0.018	0.011	0.093	22.666
rs74533665	ebi-a-GCST90027161	12	113225583	G/A	0.937	0.064	0.011	0.021	0.607	19.755
rs11149640	ebi-a-GCST90027161	16	84361912	G/A	0.668	0.332	0.011	0.011	0.332	24.961
rs6734827	ebi-a-GCST90027161	2	63347742	G/A	0.451	0.451	0.010	0.010	0.305	22.834
rs36124222	ebi-a-GCST90027161	18	74196202	T/C	0.548	0.452	0.008	0.010	0.450	24.350
rs1129644	ebi-a-GCST90027161	6	24653376	G/A	0.322	0.322	0.006	0.011	0.556	24.419
rs12935033	ebi-a-GCST90027161	16	89543188	C/T	0.640	0.360	0.006	0.011	0.586	21.548
rs231246	ebi-a-GCST90027161	4	113359259	G/T	0.657	0.343	0.006	0.011	0.584	19.837
rs13300602	ebi-a-GCST90027161	9	129412938	A/G	0.510	0.490	0.005	0.010	0.601	22.334
rs453520	ebi-a-GCST90027161	2	147907202	C/T	0.441	0.441	0.005	0.010	0.624	33.751
rs7989387	ebi-a-GCST90027161	13	55620668	A/G	0.673	0.327	0.004	0.011	0.709	20.322
rs6466020	ebi-a-GCST90027161	7	77727707	C/T	0.533	0.467	0.004	0.010	0.704	23.433
rs1051921	ebi-a-GCST90027161	7	73007943	G/A	0.812	0.189	0.004	0.013	0.788	27.229
rs56007806	ebi-a-GCST90027161	5	37664759	T/C	0.655	0.345	0.003	0.011	0.752	21.409
rs79926313	ebi-a-GCST90027161	1	90788803	A/G	0.977	0.023	0.003	0.033	0.919	19.962
rs4456599	ebi-a-GCST90027161	18	42962536	G/T	0.290	0.290	0.003	0.011	0.774	20.547
rs7902351	ebi-a-GCST90027161	10	111504691	C/T	0.440	0.440	0.003	0.010	0.764	21.695
rs2289245	ebi-a-GCST90027161	3	69112049	C/T	0.537	0.463	0.003	0.010	0.771	20.960
rs10093885	ebi-a-GCST90027161	8	110448635	A/G	0.791	0.209	0.002	0.013	0.861	24.259
rs2467712	ebi-a-GCST90027161	8	25524964	A/G	0.611	0.389	0.001	0.011	0.898	20.103
rs4672226	ebi-a-GCST90027161	2	58203057	C/T	0.600	0.401	-0.001	0.010	0.898	29.865
rs62019153	ebi-a-GCST90027161	15	50829185	A/G	0.792	0.209	-0.002	0.013	0.901	21.223
rs4146837	ebi-a-GCST90027161	15	93446869	C/T	0.561	0.439	-0.003	0.010	0.778	36.588
rs62062058	ebi-a-GCST90027161	17	11197508	T/C	0.754	0.246	-0.004	0.011	0.717	29.994
rs2852610	ebi-a-GCST90027161	6	102491771	T/C	0.707	0.293	-0.007	0.011	0.535	19.678
rs62178623	ebi-a-GCST90027161	2	217269694	C/T	0.672	0.328	-0.007	0.011	0.524	21.834
rs2938613	ebi-a-GCST90027161	17	72573323	C/A	0.801	0.199	-0.008	0.012	0.526	23.999
rs149693607	ebi-a-GCST90027161	2	200115846	C/T	0.847	0.153	-0.008	0.014	0.563	21.105
rs34138164	ebi-a-GCST90027161	11	115050127	A/G	0.492	0.492	-0.008	0.010	0.420	19.737
rs10784053	ebi-a-GCST90027161	12	60819851	T/C	0.546	0.454	-0.009	0.010	0.399	32.790
rs1105714	ebi-a-GCST90027161	15	83516968	C/T	0.866	0.134	-0.009	0.015	0.567	23.371
rs79606774	ebi-a-GCST90027161	11	3242957	G/A	0.980	0.020	-0.009	0.037	0.807	22.379
rs4704780	ebi-a-GCST90027161	5	158246785	A/C	0.927	0.073	-0.010	0.021	0.624	27.027

rs4727886	ebi-a-GCST90027161	7	79114972	A/C	0.362	0.362	-0.011	0.011	0.312	20.985
rs10972033	ebi-a-GCST90027161	9	34269732	G/T	0.552	0.448	-0.011	0.010	0.280	40.153
rs9954504	ebi-a-GCST90027161	18	24651580	A/G	0.896	0.104	-0.011	0.016	0.496	20.523
rs11211124	ebi-a-GCST90027161	1	45962409	T/C	0.791	0.209	-0.011	0.013	0.376	25.416
rs11031119	ebi-a-GCST90027161	11	30525773	A/G	0.650	0.350	-0.012	0.011	0.283	19.770
rs10110341	ebi-a-GCST90027161	8	65259103	T/C	0.650	0.350	-0.012	0.011	0.263	22.089
rs3964074	ebi-a-GCST90027161	16	74166991	T/C	0.443	0.443	-0.012	0.010	0.226	39.599
rs4605770	ebi-a-GCST90027161	5	77645358	G/A	0.491	0.491	-0.013	0.010	0.218	20.245
rs1566320	ebi-a-GCST90027161	12	65513309	C/T	0.345	0.345	-0.013	0.011	0.223	21.620
rs7396066	ebi-a-GCST90027161	11	270987	C/T	0.179	0.179	-0.014	0.014	0.327	21.216
rs11209948	ebi-a-GCST90027161	1	72811904	G/T	0.382	0.382	-0.016	0.011	0.126	27.172
rs1951289	ebi-a-GCST90027161	14	29840613	C/T	0.375	0.375	-0.016	0.011	0.126	21.616
rs905112	ebi-a-GCST90027161	1	37715396	C/A	0.449	0.449	-0.018	0.010	0.077	20.880
rs9326285	ebi-a-GCST90027161	11	126665849	A/C	0.713	0.287	-0.021	0.011	0.060	20.976
rs9379829	ebi-a-GCST90027161	6	26172219	C/T	0.772	0.228	-0.030	0.012	0.012	40.409
rs145789739	ebi-a-GCST90027161	14	48600816	C/T	0.960	0.041	-0.032	0.023	0.160	21.970
rs62116756	ebi-a-GCST90027161	2	16219158	T/G	0.966	0.034	-0.037	0.030	0.211	21.752
rs2591131	ebi-a-GCST90027161	2	155724392	G/A	0.829	0.172	-0.040	0.014	0.003	41.089
rs74802385	ebi-a-GCST90027161	3	62518843	C/T	0.980	0.020	-0.043	0.038	0.257	21.471
rs147150768	ebi-a-GCST90027161	11	83581326	G/T	0.978	0.022	-0.045	0.037	0.221	20.805
rs9696811	ebi-a-GCST90027161	9	131923530	T/C	0.291	0.291	-0.048	0.011	0.000	24.400
rs2161568	ebi-a-GCST90027161	19	7574918	G/A	0.929	0.072	-0.060	0.023	0.008	21.259
rs149747746	ebi-a-GCST90027161	20	23674859	C/T	0.985	0.016	-0.068	0.045	0.133	20.393
rs17631091	ebi-a-GCST90027161	4	166419797	A/G	0.991	0.009	-0.102	0.075	0.172	20.215

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rs3767007	ebi-a-GCST90027161	1	181721956	C/T	0.871	0.129	0.031	0.015	0.038	21.792
rs875476	ebi-a-GCST90027161	7	68373655	T/C	0.816	0.184	0.027	0.014	0.043	20.733
rs1275183	ebi-a-GCST90027161	13	30941805	A/G	0.167	0.167	0.026	0.013	0.049	23.508
rs77905789	ebi-a-GCST90027161	7	81856313	T/C	0.954	0.046	0.025	0.027	0.360	23.412
rs6662197	ebi-a-GCST90027161	1	230880155	G/A	0.961	0.039	0.023	0.025	0.341	21.097
rs9885204	ebi-a-GCST90027161	5	62705129	G/A	0.877	0.123	0.023	0.016	0.146	21.387
rs144837248	ebi-a-GCST90027161	6	70854526	G/A	0.988	0.012	0.018	0.059	0.767	20.123
rs40412	ebi-a-GCST90027161	3	138080915	T/C	0.238	0.238	0.017	0.012	0.152	24.984
rs12494775	ebi-a-GCST90027161	3	66874105	G/A	0.818	0.182	0.014	0.013	0.278	23.660
rs2090305	ebi-a-GCST90027161	2	14542524	T/C	0.330	0.330	0.013	0.011	0.219	19.821
rs680954	ebi-a-GCST90027161	1	96763525	G/A	0.892	0.108	0.012	0.017	0.472	19.751
rs61957632	ebi-a-GCST90027161	13	59106880	C/T	0.628	0.373	0.010	0.014	0.486	25.405
rs34552305	ebi-a-GCST90027161	1	11537441	C/T	0.877	0.123	0.010	0.016	0.532	26.838
rs75028008	ebi-a-GCST90027161	3	87945804	G/A	0.853	0.147	0.010	0.014	0.499	24.075
rs77166538	ebi-a-GCST90027161	9	84437464	T/C	0.987	0.013	0.009	0.048	0.848	23.800
rs11223425	ebi-a-GCST90027161	11	133143976	G/A	0.545	0.455	0.009	0.010	0.387	25.267
rs1014895	ebi-a-GCST90027161	14	89355534	G/T	0.626	0.374	0.008	0.011	0.428	20.973
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	26.527
rs11807525	ebi-a-GCST90027161	1	190670697	A/G	0.781	0.219	0.008	0.012	0.511	19.547
rs10119975	ebi-a-GCST90027161	9	15708140	C/A	0.510	0.490	0.007	0.010	0.474	33.298
rs13011011	ebi-a-GCST90027161	2	171819865	A/G	0.723	0.277	0.006	0.011	0.607	22.595
rs4684700	ebi-a-GCST90027161	3	10548950	C/T	0.467	0.467	0.005	0.010	0.633	21.024
rs10842939	ebi-a-GCST90027161	12	27723632	C/A	0.412	0.412	0.005	0.010	0.638	24.653
rs11698621	ebi-a-GCST90027161	20	38764006	A/G	0.443	0.443	0.004	0.010	0.675	25.070
rs422001	ebi-a-GCST90027161	20	15249445	A/G	0.758	0.242	0.004	0.012	0.752	20.088

rs7126748	ebi-a-GCST90027161	11	112842976	T/C	0.512	0.488	0.003	0.010	0.753	23.068
rs4700475	ebi-a-GCST90027161	5	61416668	G/A	0.625	0.375	0.003	0.011	0.760	20.455
rs10133989	ebi-a-GCST90027161	14	101879553	G/A	0.692	0.308	0.003	0.013	0.804	23.499
rs74979260	ebi-a-GCST90027161	5	135341462	C/T	0.970	0.030	0.002	0.031	0.941	20.705
rs2696187	ebi-a-GCST90027161	7	39043106	T/C	0.399	0.399	0.001	0.010	0.906	21.641
rs9997448	ebi-a-GCST90027161	4	140870515	C/T	0.634	0.366	0.000	0.011	0.975	21.217
rs28710445	ebi-a-GCST90027161	16	78714019	T/C	0.936	0.064	0.000	0.021	0.991	20.508
rs4651424	ebi-a-GCST90027161	1	187971001	T/G	0.694	0.306	0.000	0.011	0.981	22.561
rs56238942	ebi-a-GCST90027161	22	51182399	A/G	0.908	0.092	-0.001	0.017	0.975	20.343
rs113631743	ebi-a-GCST90027161	16	14530726	G/A	0.767	0.233	-0.002	0.012	0.899	23.755
rs16781	ebi-a-GCST90027161	9	138012886	G/A	0.734	0.266	-0.002	0.012	0.863	32.170
rs369234167	ebi-a-GCST90027161	17	44611782	T/C	0.870	0.130	-0.002	0.024	0.926	25.847
rs4916427	ebi-a-GCST90027161	3	196094213	C/T	0.743	0.257	-0.004	0.012	0.730	24.622
rs1256428	ebi-a-GCST90027161	15	83521818	C/T	0.487	0.487	-0.004	0.010	0.690	22.916
rs6445056	ebi-a-GCST90027161	3	172004893	T/C	0.474	0.474	-0.005	0.010	0.656	21.613
rs7045589	ebi-a-GCST90027161	9	127110354	C/T	0.449	0.449	-0.005	0.010	0.647	25.051
rs1367228	ebi-a-GCST90027161	2	56112440	C/A	0.589	0.411	-0.006	0.010	0.576	23.099
rs58217236	ebi-a-GCST90027161	6	119612485	T/C	0.417	0.417	-0.007	0.010	0.488	20.867
rs186095	ebi-a-GCST90027161	5	94250056	A/C	0.907	0.093	-0.007	0.018	0.678	21.616
rs2426652	ebi-a-GCST90027161	20	55294098	A/G	0.283	0.283	-0.008	0.012	0.535	24.155
rs1051730	ebi-a-GCST90027161	15	78894339	G/A	0.670	0.330	-0.010	0.011	0.343	34.389
rs17733217	ebi-a-GCST90027161	20	51222704	A/G	0.793	0.207	-0.011	0.013	0.409	23.154
rs56094641	ebi-a-GCST90027161	16	53806453	A/G	0.583	0.417	-0.013	0.010	0.218	20.642
rs16938088	ebi-a-GCST90027161	11	44839111	A/G	0.958	0.042	-0.013	0.027	0.641	19.696
rs156287	ebi-a-GCST90027161	7	24237673	A/C	0.695	0.305	-0.013	0.011	0.239	20.541
rs13295099	ebi-a-GCST90027161	9	74671719	T/C	0.431	0.431	-0.013	0.010	0.212	21.856
rs495515	ebi-a-GCST90027161	4	149710794	A/G	0.824	0.176	-0.013	0.014	0.337	24.118
rs500044	ebi-a-GCST90027161	9	4002823	G/A	0.117	0.117	-0.013	0.017	0.437	20.293
rs71390729	ebi-a-GCST90027161	16	64723209	T/C	0.975	0.025	-0.015	0.031	0.630	21.875
rs7140445	ebi-a-GCST90027161	14	62479323	G/T	0.772	0.228	-0.015	0.012	0.221	22.983
rs6665825	ebi-a-GCST90027161	1	85955261	G/A	0.830	0.170	-0.017	0.013	0.200	20.091
rs75009095	ebi-a-GCST90027161	20	59059340	G/A	0.759	0.242	-0.019	0.012	0.113	20.917
rs6480254	ebi-a-GCST90027161	10	69016134	G/A	0.904	0.096	-0.019	0.017	0.277	19.639
rs13405357	ebi-a-GCST90027161	2	227022036	T/C	0.656	0.345	-0.019	0.011	0.067	23.804
rs2975736	ebi-a-GCST90027161	8	10088299	T/G	0.140	0.140	-0.020	0.015	0.165	22.456
rs7829800	ebi-a-GCST90027161	8	144258705	A/G	0.296	0.296	-0.021	0.012	0.067	44.014
rs61779860	ebi-a-GCST90027161	1	37971037	A/G	0.847	0.153	-0.022	0.014	0.131	21.550
rs2893842	ebi-a-GCST90027161	6	26338434	T/G	0.618	0.382	-0.025	0.010	0.014	22.012
rs146594921	ebi-a-GCST90027161	5	35937088	T/C	0.988	0.012	-0.043	0.060	0.479	26.938
rs477402	ebi-a-GCST90027161	11	78920825	T/C	0.071	0.071	-0.045	0.020	0.026	20.684

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rs111485956	ebi-a-GCST90027161	14	72467825	C/T	0.984	0.016	0.068	0.044	0.124	23.336
rs73233313	ebi-a-GCST90027161	7	125442171	T/C	0.951	0.049	0.065	0.026	0.012	21.167
rs73543300	ebi-a-GCST90027161	19	5236519	T/C	0.913	0.087	0.043	0.017	0.014	21.655
rs72688754	ebi-a-GCST90027161	14	51678404	G/A	0.934	0.066	0.035	0.024	0.137	25.010
rs6010651	ebi-a-GCST90027161	20	62418243	A/C	0.624	0.376	0.032	0.011	0.002	31.507
rs61039819	ebi-a-GCST90027161	11	75261484	A/G	0.979	0.021	0.029	0.034	0.396	21.679
rs1673669	ebi-a-GCST90027161	10	112079063	T/C	0.159	0.159	0.025	0.014	0.081	20.751
rs6484504	ebi-a-GCST90027161	11	31424823	T/C	0.306	0.306	0.022	0.011	0.045	39.983
rs11930453	ebi-a-GCST90027161	4	141710146	A/C	0.425	0.425	0.022	0.010	0.035	21.147

rs10833191	ebi-a-GCST90027161	11	19937036	A/G	0.844	0.156	0.021	0.014	0.139	19.985
rs56131196	ebi-a-GCST90027161	19	45422846	G/A	0.788	0.212	0.019	0.012	0.127	30.154
rs115608101	ebi-a-GCST90027161	11	107106532	C/T	0.892	0.108	0.019	0.017	0.281	25.714
rs117665299	ebi-a-GCST90027161	9	3454966	C/T	0.980	0.020	0.018	0.051	0.720	22.182
rs10109400	ebi-a-GCST90027161	8	42455353	T/C	0.393	0.393	0.018	0.011	0.082	30.561
rs56241606	ebi-a-GCST90027161	13	59281277	T/C	0.879	0.121	0.018	0.016	0.259	25.764
rs6899155	ebi-a-GCST90027161	5	36786459	T/C	0.566	0.434	0.014	0.010	0.161	21.513
rs9809856	ebi-a-GCST90027161	3	18227421	A/G	0.501	0.500	0.014	0.010	0.158	34.263
rs112235990	ebi-a-GCST90027161	4	24156416	C/T	0.964	0.036	0.014	0.030	0.644	21.981
rs4813338	ebi-a-GCST90027161	20	18645033	A/G	0.457	0.457	0.013	0.010	0.204	22.022
rs12909651	ebi-a-GCST90027161	15	46571621	G/A	0.624	0.376	0.012	0.011	0.242	19.704
rs31468	ebi-a-GCST90027161	5	92780983	G/A	0.258	0.258	0.012	0.012	0.315	41.275
rs6996733	ebi-a-GCST90027161	8	60535824	T/C	0.852	0.148	0.010	0.014	0.471	20.703
rs10140069	ebi-a-GCST90027161	14	93926805	A/G	0.326	0.326	0.010	0.011	0.372	21.216
rs6504411	ebi-a-GCST90027161	17	46672154	T/C	0.090	0.090	0.008	0.019	0.668	21.112
rs1948662	ebi-a-GCST90027161	12	24144590	T/G	0.744	0.256	0.008	0.012	0.498	20.739
rs12980403	ebi-a-GCST90027161	19	18398139	T/C	0.355	0.355	0.008	0.011	0.464	21.799
rs11894162	ebi-a-GCST90027161	2	107197420	C/T	0.477	0.477	0.007	0.010	0.464	27.766
rs11937751	ebi-a-GCST90027161	4	93570842	A/G	0.682	0.318	0.007	0.011	0.500	24.974
rs56085648	ebi-a-GCST90027161	16	771108	C/A	0.480	0.480	0.007	0.011	0.484	20.619
rs10798580	ebi-a-GCST90027161	1	177864554	G/A	0.585	0.415	0.007	0.010	0.495	20.233
rs12123509	ebi-a-GCST90027161	1	44800498	G/A	0.726	0.275	0.007	0.011	0.541	19.881
rs2215191	ebi-a-GCST90027161	19	29150490	G/A	0.521	0.479	0.007	0.010	0.505	20.269
rs6961970	ebi-a-GCST90027161	7	113901132	C/A	0.768	0.232	0.007	0.012	0.599	31.463
rs495974	ebi-a-GCST90027161	1	97299255	T/C	0.337	0.337	0.006	0.011	0.568	22.996
rs12581847	ebi-a-GCST90027161	12	236115	T/C	0.779	0.221	0.006	0.012	0.614	20.016
rs35716147	ebi-a-GCST90027161	17	36132131	T/C	0.911	0.089	0.006	0.019	0.747	30.840
rs1738548	ebi-a-GCST90027161	11	33752403	A/G	0.707	0.293	0.006	0.011	0.596	28.476
rs75099244	ebi-a-GCST90027161	16	51457798	G/A	0.944	0.056	0.006	0.021	0.777	20.572
rs4821688	ebi-a-GCST90027161	22	38105810	C/T	0.404	0.404	0.005	0.010	0.651	20.534
rs72997650	ebi-a-GCST90027161	2	210378936	A/G	0.906	0.094	0.004	0.018	0.807	22.063
rs11887120	ebi-a-GCST90027161	2	25485735	C/T	0.570	0.430	0.004	0.010	0.716	27.635
rs34241936	ebi-a-GCST90027161	17	74065908	A/G	0.961	0.039	0.003	0.027	0.898	29.063
rs4275971	ebi-a-GCST90027161	2	147451283	G/A	0.437	0.437	0.003	0.010	0.763	28.011
rs62203947	ebi-a-GCST90027161	20	58262713	C/T	0.901	0.099	0.003	0.017	0.866	22.207
rs9370809	ebi-a-GCST90027161	6	15281454	T/C	0.630	0.370	0.003	0.010	0.778	21.030
rs10491056	ebi-a-GCST90027161	10	21120116	A/G	0.683	0.317	0.003	0.011	0.805	23.708
rs13214336	ebi-a-GCST90027161	6	119047150	T/C	0.730	0.270	0.003	0.011	0.816	21.520
rs6708046	ebi-a-GCST90027161	2	58565501	T/C	0.619	0.381	0.002	0.011	0.827	30.327
rs7863700	ebi-a-GCST90027161	9	82812957	C/T	0.342	0.342	0.002	0.011	0.851	19.396
rs7124761	ebi-a-GCST90027161	11	96059671	C/T	0.634	0.366	0.001	0.011	0.910	21.106
rs7638516	ebi-a-GCST90027161	3	81826249	A/C	0.594	0.406	0.001	0.010	0.912	42.623
rs1077875	ebi-a-GCST90027161	15	79826072	T/C	0.462	0.462	0.001	0.010	0.957	20.593
rs147845411	ebi-a-GCST90027161	9	24756659	G/T	0.985	0.015	0.000	0.043	0.992	25.461
rs9847448	ebi-a-GCST90027161	3	84930139	C/T	0.757	0.243	0.000	0.012	0.981	20.678
rs10454812	ebi-a-GCST90027161	5	52800358	A/C	0.896	0.104	-0.001	0.017	0.958	27.296
rs17404096	ebi-a-GCST90027161	20	43391186	T/C	0.697	0.303	-0.001	0.011	0.912	26.699
rs77165542	ebi-a-GCST90027161	2	430975	C/T	0.972	0.028	-0.002	0.034	0.966	33.920
rs3733421	ebi-a-GCST90027161	4	149002841	T/C	0.417	0.417	-0.002	0.010	0.872	31.056
rs10882747	ebi-a-GCST90027161	10	97985690	C/T	0.538	0.462	-0.003	0.010	0.801	24.435

rs7142530	ebi-a-GCST90027161	14	33306043	G/A	0.516	0.484	-0.003	0.010	0.792	22.948
rs3128578	ebi-a-GCST90027161	9	137722170	G/A	0.368	0.368	-0.003	0.011	0.796	20.934
rs6503064	ebi-a-GCST90027161	17	1809529	A/G	0.363	0.363	-0.003	0.011	0.795	21.615
rs145180357	ebi-a-GCST90027161	12	118102540	C/T	0.991	0.009	-0.003	0.062	0.963	24.830
rs6774533	ebi-a-GCST90027161	3	62471086	C/T	0.311	0.311	-0.004	0.011	0.730	28.847
rs7555459	ebi-a-GCST90027161	1	75273706	G/A	0.367	0.367	-0.004	0.011	0.710	21.598
rs838133	ebi-a-GCST90027161	19	49259529	A/G	0.409	0.409	-0.004	0.011	0.683	49.215
rs12581020	ebi-a-GCST90027161	12	13554133	A/G	0.809	0.191	-0.005	0.013	0.732	19.903
rs17676243	ebi-a-GCST90027161	2	173322809	G/A	0.807	0.193	-0.005	0.013	0.717	29.148
rs4912980	ebi-a-GCST90027161	5	144066158	T/C	0.793	0.207	-0.005	0.013	0.689	21.274
rs7560257	ebi-a-GCST90027161	2	161085348	C/T	0.862	0.138	-0.006	0.016	0.695	20.673
rs4016219	ebi-a-GCST90027161	12	98618921	G/A	0.289	0.289	-0.008	0.011	0.509	22.217
rs41286971	ebi-a-GCST90027161	13	41026812	G/A	0.595	0.405	-0.008	0.010	0.464	27.049
rs12232804	ebi-a-GCST90027161	19	42677807	C/T	0.909	0.092	-0.008	0.019	0.687	21.792
rs73238074	ebi-a-GCST90027161	7	127669584	T/C	0.873	0.127	-0.008	0.016	0.603	21.603
rs9917893	ebi-a-GCST90027161	4	183679302	A/G	0.284	0.284	-0.009	0.011	0.428	26.817
rs76587391	ebi-a-GCST90027161	16	7359167	C/T	0.901	0.099	-0.009	0.017	0.601	28.830
rs13094416	ebi-a-GCST90027161	3	95986528	T/C	0.883	0.117	-0.009	0.015	0.537	20.437
rs34113707	ebi-a-GCST90027161	10	32577013	G/A	0.734	0.266	-0.010	0.012	0.410	20.392
rs77194050	ebi-a-GCST90027161	16	70687185	A/G	0.954	0.046	-0.010	0.025	0.700	22.780
rs1548546	ebi-a-GCST90027161	19	13111374	G/A	0.623	0.377	-0.010	0.011	0.324	21.283
rs1422192	ebi-a-GCST90027161	5	87959023	G/A	0.856	0.144	-0.011	0.015	0.471	37.985
rs7997365	ebi-a-GCST90027161	13	21914173	A/C	0.851	0.150	-0.011	0.015	0.452	25.805
rs17755786	ebi-a-GCST90027161	3	114940210	C/T	0.513	0.487	-0.012	0.010	0.253	20.734
rs11786089	ebi-a-GCST90027161	8	21975521	A/G	0.550	0.450	-0.012	0.010	0.235	25.360
rs4965927	ebi-a-GCST90027161	15	98935186	C/T	0.381	0.381	-0.013	0.010	0.202	21.734
rs73137142	ebi-a-GCST90027161	5	93079288	G/A	0.956	0.044	-0.014	0.031	0.644	25.691
rs4722866	ebi-a-GCST90027161	7	28921064	A/G	0.785	0.215	-0.015	0.013	0.250	26.073
rs56264770	ebi-a-GCST90027161	8	533250	T/C	0.933	0.067	-0.015	0.020	0.461	21.321
rs12238741	ebi-a-GCST90027161	9	102080442	G/T	0.496	0.496	-0.016	0.010	0.108	24.652
rs75604792	ebi-a-GCST90027161	8	29300720	A/G	0.958	0.042	-0.017	0.026	0.514	22.509
rs614719	ebi-a-GCST90027161	1	14536470	C/T	0.530	0.470	-0.019	0.010	0.058	26.484
rs7176446	ebi-a-GCST90027161	15	27065366	A/G	0.793	0.207	-0.020	0.013	0.126	21.620
rs6665227	ebi-a-GCST90027161	1	155710460	T/C	0.638	0.362	-0.022	0.011	0.036	26.574
rs4921341	ebi-a-GCST90027161	5	160228077	T/C	0.959	0.041	-0.023	0.026	0.387	21.913
rs13035589	ebi-a-GCST90027161	2	166159422	A/G	0.947	0.053	-0.023	0.027	0.404	20.812
rs323926	ebi-a-GCST90027161	7	34732820	C/T	0.670	0.330	-0.023	0.011	0.040	19.703
rs150038113	ebi-a-GCST90027161	16	15382608	C/T	0.979	0.021	-0.028	0.042	0.515	26.437
rs2183947	ebi-a-GCST90027161	6	26159356	G/A	0.765	0.235	-0.028	0.012	0.016	21.839
rs11123290	ebi-a-GCST90027161	2	115997342	C/T	0.472	0.472	-0.029	0.010	0.005	20.444
rs28654607	ebi-a-GCST90027161	3	66084460	G/A	0.774	0.226	-0.031	0.012	0.010	24.028
rs11554327	ebi-a-GCST90027161	22	41940371	T/G	0.822	0.178	-0.036	0.017	0.032	34.171
rs190363243	ebi-a-GCST90027161	8	87535938	C/T	0.969	0.031	-0.051	0.029	0.079	21.547
rs140010202	ebi-a-GCST90027161	10	46171808	C/T	0.992	0.008	-0.127	0.070	0.068	22.405

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rs76841990	ebi-a-GCST90027161	5	94570364	A/G	0.992	0.008	0.083	0.069	0.227	20.236
rs1953604	ebi-a-GCST90027161	1	69558837	T/C	0.989	0.011	0.064	0.056	0.260	22.956
rs141901068	ebi-a-GCST90027161	3	149503376	C/T	0.972	0.028	0.063	0.032	0.051	19.549
rs112329893	ebi-a-GCST90027161	2	10969662	C/T	0.972	0.028	0.048	0.036	0.182	22.225
rs115312977	ebi-a-GCST90027161	1	35794177	G/T	0.937	0.063	0.040	0.021	0.059	26.161

rs1533119	ebi-a-GCST90027161	6	445913	T/C	0.986	0.014	0.035	0.040	0.390	21.310
rs9937080	ebi-a-GCST90027161	16	68885039	T/C	0.982	0.018	0.031	0.052	0.545	22.127
rs73148045	ebi-a-GCST90027161	12	63901145	T/C	0.960	0.040	0.029	0.025	0.240	20.642
rs11119358	ebi-a-GCST90027161	1	210042456	T/C	0.843	0.157	0.028	0.015	0.060	22.286
rs116493405	ebi-a-GCST90027161	3	114733556	G/A	0.953	0.047	0.027	0.024	0.257	24.467
rs11143156	ebi-a-GCST90027161	9	74799298	T/G	0.852	0.148	0.027	0.014	0.056	25.880
rs12910046	ebi-a-GCST90027161	15	78191757	T/C	0.725	0.275	0.026	0.011	0.021	21.399
rs11125813	ebi-a-GCST90027161	2	59991047	G/A	0.820	0.180	0.026	0.014	0.070	30.923
rs1962184	ebi-a-GCST90027161	13	101615349	T/C	0.439	0.439	0.024	0.010	0.018	21.909
rs55862960	ebi-a-GCST90027161	14	105430738	G/A	0.404	0.404	0.023	0.010	0.025	21.017
rs34020026	ebi-a-GCST90027161	9	123093019	G/A	0.915	0.085	0.022	0.019	0.236	23.429
rs304377	ebi-a-GCST90027161	5	121784690	A/G	0.053	0.053	0.022	0.024	0.352	23.830
rs12530637	ebi-a-GCST90027161	7	141483590	G/A	0.602	0.398	0.021	0.010	0.040	20.761
rs2447090	ebi-a-GCST90027161	17	2298974	A/G	0.613	0.387	0.021	0.010	0.045	31.845
rs386231	ebi-a-GCST90027161	1	162325823	C/T	0.294	0.294	0.021	0.011	0.065	21.056
rs12616030	ebi-a-GCST90027161	2	176445799	G/A	0.740	0.261	0.021	0.011	0.067	29.763
rs114111553	ebi-a-GCST90027161	1	216849965	G/A	0.989	0.011	0.020	0.051	0.688	24.859
rs10187139	ebi-a-GCST90027161	2	42387370	G/A	0.339	0.339	0.020	0.011	0.060	19.949
rs4420638	ebi-a-GCST90027161	19	45422946	A/G	0.787	0.213	0.019	0.012	0.124	25.369
rs2099904	ebi-a-GCST90027161	17	75027844	T/C	0.797	0.203	0.019	0.013	0.146	22.475
rs6534838	ebi-a-GCST90027161	4	132310610	A/G	0.693	0.307	0.018	0.011	0.093	20.143
rs78940216	ebi-a-GCST90027161	2	27153318	G/A	0.897	0.103	0.018	0.017	0.282	32.233
rs4098686	ebi-a-GCST90027161	17	42629737	A/C	0.263	0.263	0.016	0.012	0.154	20.790
rs4381643	ebi-a-GCST90027161	17	30577131	G/A	0.879	0.121	0.015	0.015	0.298	25.054
rs1437761	ebi-a-GCST90027161	15	97010698	T/C	0.789	0.211	0.013	0.013	0.303	39.528
rs17055599	ebi-a-GCST90027161	13	59453903	T/C	0.686	0.314	0.013	0.011	0.236	35.980
rs73013975	ebi-a-GCST90027161	11	122072103	G/A	0.696	0.305	0.013	0.011	0.242	20.857
rs12363812	ebi-a-GCST90027161	11	28006322	C/T	0.465	0.465	0.012	0.010	0.230	20.113
rs1035269	ebi-a-GCST90027161	18	58876994	A/C	0.614	0.386	0.012	0.010	0.253	23.859
rs6903219	ebi-a-GCST90027161	6	88096498	G/A	0.522	0.478	0.012	0.010	0.241	28.001
rs11209780	ebi-a-GCST90027161	1	71876652	G/A	0.774	0.226	0.012	0.012	0.331	36.364
rs7570469	ebi-a-GCST90027161	2	79709354	C/T	0.333	0.333	0.012	0.011	0.278	34.584
rs12198273	ebi-a-GCST90027161	6	69219137	A/G	0.458	0.458	0.012	0.010	0.259	29.035
rs4961470	ebi-a-GCST90027161	9	16231053	G/A	0.690	0.310	0.010	0.011	0.367	20.512
rs9841174	ebi-a-GCST90027161	3	167184878	T/C	0.581	0.419	0.010	0.010	0.337	20.500
rs6748721	ebi-a-GCST90027161	2	127163034	A/G	0.714	0.286	0.010	0.011	0.386	19.515
rs61809228	ebi-a-GCST90027161	1	181052800	C/T	0.616	0.384	0.009	0.010	0.388	19.572
rs1844685	ebi-a-GCST90027161	12	19072019	T/G	0.412	0.412	0.009	0.010	0.398	22.049
rs13085181	ebi-a-GCST90027161	3	138172752	C/T	0.425	0.425	0.009	0.010	0.400	20.762
rs11726083	ebi-a-GCST90027161	4	84117122	G/A	0.137	0.137	0.008	0.016	0.609	19.981
rs2915859	ebi-a-GCST90027161	5	166546480	C/T	0.619	0.381	0.008	0.011	0.469	23.085
rs35257886	ebi-a-GCST90027161	5	91385659	G/A	0.888	0.112	0.008	0.016	0.645	21.781
rs11227485	ebi-a-GCST90027161	11	66215423	C/T	0.735	0.265	0.007	0.012	0.535	21.327
rs1809465	ebi-a-GCST90027161	3	126781381	A/G	0.110	0.110	0.007	0.016	0.648	20.772
rs1943135	ebi-a-GCST90027161	18	50472375	G/A	0.874	0.126	0.007	0.016	0.657	27.567
rs1368550	ebi-a-GCST90027161	2	104078655	T/C	0.507	0.493	0.007	0.010	0.496	29.161
rs12914374	ebi-a-GCST90027161	15	25112608	G/A	0.944	0.056	0.005	0.025	0.831	19.734
rs3934007	ebi-a-GCST90027161	11	113539080	A/G	0.425	0.425	0.005	0.010	0.616	20.116
rs817555	ebi-a-GCST90027161	17	67423274	G/A	0.566	0.434	0.005	0.010	0.626	28.397
rs76102861	ebi-a-GCST90027161	4	19983426	A/G	0.957	0.043	0.005	0.025	0.848	21.188

rs17229102	ebi-a-GCST90027161	1	7965588	C/T	0.978	0.022	0.005	0.032	0.882	22.426
rs7857380	ebi-a-GCST90027161	9	128555022	A/C	0.312	0.312	0.005	0.011	0.694	50.245
rs16960499	ebi-a-GCST90027161	17	19203032	A/G	0.873	0.127	0.004	0.015	0.784	20.245
rs780014	ebi-a-GCST90027161	2	125047753	A/G	0.320	0.320	0.004	0.011	0.712	24.040
rs7677574	ebi-a-GCST90027161	4	6240418	A/C	0.757	0.243	0.003	0.012	0.811	24.180
rs3809162	ebi-a-GCST90027161	12	54674235	A/G	0.562	0.438	0.003	0.010	0.801	26.493
rs9462058	ebi-a-GCST90027161	6	11736117	A/G	0.856	0.145	0.003	0.015	0.865	24.913
rs62107261	ebi-a-GCST90027161	2	422144	T/C	0.964	0.037	0.002	0.030	0.939	48.559
rs147911826	ebi-a-GCST90027161	10	133306895	C/T	0.925	0.075	0.002	0.020	0.923	21.846
rs199865757	ebi-a-GCST90027161	8	64688886	C/T	0.765	0.235	0.001	0.016	0.930	73.867
rs956362	ebi-a-GCST90027161	15	35927655	A/G	0.797	0.203	0.001	0.013	0.926	34.870
rs6079597	ebi-a-GCST90027161	20	14868186	A/G	0.768	0.232	0.000	0.012	0.972	28.694
rs4705758	ebi-a-GCST90027161	5	112391033	A/C	0.473	0.473	0.000	0.010	0.993	20.095
rs2695442	ebi-a-GCST90027161	2	157150640	A/G	0.431	0.431	-0.001	0.016	0.972	23.128
rs2422907	ebi-a-GCST90027161	20	3583666	A/C	0.867	0.133	-0.001	0.015	0.947	20.174
rs6958768	ebi-a-GCST90027161	7	77773693	A/C	0.858	0.142	-0.001	0.015	0.948	42.426
rs7757418	ebi-a-GCST90027161	6	51305931	A/G	0.303	0.303	-0.001	0.011	0.926	24.124
rs77179220	ebi-a-GCST90027161	14	38025487	C/T	0.763	0.237	-0.002	0.012	0.875	24.758
rs13267577	ebi-a-GCST90027161	8	4847469	C/T	0.630	0.370	-0.002	0.011	0.838	39.139
rs12106638	ebi-a-GCST90027161	22	48820023	C/T	0.939	0.061	-0.003	0.022	0.907	22.669
rs4762204	ebi-a-GCST90027161	12	98776847	G/A	0.710	0.290	-0.004	0.011	0.747	22.041
rs13438215	ebi-a-GCST90027161	7	8556069	A/C	0.583	0.417	-0.004	0.010	0.727	27.107
rs3923921	ebi-a-GCST90027161	8	10849486	T/C	0.777	0.224	-0.004	0.013	0.753	28.895
rs838133	ebi-a-GCST90027161	19	49259529	A/G	0.409	0.409	-0.004	0.011	0.683	31.161
rs10279261	ebi-a-GCST90027161	7	133589846	G/A	0.374	0.374	-0.005	0.011	0.668	22.198
rs12363558	ebi-a-GCST90027161	11	9545332	C/T	0.789	0.211	-0.005	0.013	0.717	23.878
rs13255011	ebi-a-GCST90027161	8	35051793	C/T	0.552	0.448	-0.005	0.010	0.601	31.896
rs6989429	ebi-a-GCST90027161	8	93535437	C/T	0.725	0.275	-0.006	0.011	0.629	20.006
rs12630752	ebi-a-GCST90027161	3	44303185	A/G	0.731	0.269	-0.006	0.011	0.565	32.833
rs56027559	ebi-a-GCST90027161	15	74151083	C/T	0.930	0.070	-0.007	0.020	0.743	19.568
rs78127239	ebi-a-GCST90027161	8	112343490	G/A	0.880	0.120	-0.007	0.015	0.660	19.505
rs325950	ebi-a-GCST90027161	1	96823086	C/A	0.427	0.427	-0.007	0.010	0.519	26.522
rs6790797	ebi-a-GCST90027161	3	68753972	G/A	0.354	0.354	-0.007	0.011	0.488	26.400
rs1371274	ebi-a-GCST90027161	18	1837007	A/C	0.850	0.150	-0.008	0.014	0.592	31.407
rs41371744	ebi-a-GCST90027161	2	225334712	T/C	0.921	0.079	-0.008	0.018	0.674	22.147
rs9481564	ebi-a-GCST90027161	6	115783719	A/C	0.323	0.323	-0.009	0.011	0.417	29.188
rs9956350	ebi-a-GCST90027161	18	38107168	G/A	0.496	0.496	-0.009	0.010	0.398	24.412
rs9597492	ebi-a-GCST90027161	13	57636523	T/C	0.589	0.411	-0.009	0.010	0.401	26.076
rs1011939	ebi-a-GCST90027161	16	19992996	G/A	0.309	0.309	-0.009	0.011	0.397	21.569
rs11993441	ebi-a-GCST90027161	8	77760079	C/T	0.912	0.089	-0.009	0.018	0.611	20.002
rs8130508	ebi-a-GCST90027161	21	19049865	G/A	0.709	0.292	-0.010	0.011	0.377	29.511
rs2480496	ebi-a-GCST90027161	9	92149631	C/T	0.621	0.380	-0.011	0.011	0.318	25.579
rs13374327	ebi-a-GCST90027161	1	23549761	C/T	0.860	0.140	-0.011	0.015	0.478	20.950
rs11729174	ebi-a-GCST90027161	4	76551767	C/T	0.785	0.215	-0.011	0.013	0.391	23.674
rs2500220	ebi-a-GCST90027161	1	154095016	C/T	0.520	0.480	-0.011	0.010	0.287	46.239
rs4903407	ebi-a-GCST90027161	14	76862907	T/C	0.512	0.488	-0.011	0.010	0.269	20.395
rs9323534	ebi-a-GCST90027161	14	20586432	C/T	0.580	0.420	-0.011	0.010	0.271	38.992
rs687418	ebi-a-GCST90027161	1	234801409	C/T	0.738	0.262	-0.012	0.012	0.287	21.541
rs7678652	ebi-a-GCST90027161	4	63741841	A/G	0.505	0.495	-0.013	0.010	0.216	29.634
rs502571	ebi-a-GCST90027161	11	64419217	T/G	0.777	0.223	-0.013	0.012	0.285	20.241

rs7187143	ebi-a-GCST90027161	16	31179800	A/C	0.653	0.347	-0.013	0.011	0.239	29.658
rs11714407	ebi-a-GCST90027161	3	258123	A/G	0.715	0.285	-0.014	0.012	0.232	20.390
rs72831237	ebi-a-GCST90027161	17	57381087	A/G	0.857	0.143	-0.015	0.015	0.320	23.433
rs62273879	ebi-a-GCST90027161	3	147710243	T/C	0.876	0.125	-0.015	0.015	0.319	24.789
rs2867114	ebi-a-GCST90027161	2	651380	C/T	0.860	0.140	-0.017	0.014	0.238	38.960
rs77797947	ebi-a-GCST90027161	13	56160164	C/A	0.971	0.029	-0.017	0.032	0.607	33.217
rs7659892	ebi-a-GCST90027161	4	46688810	G/A	0.201	0.201	-0.017	0.013	0.205	22.679
rs2410659	ebi-a-GCST90027161	8	20590669	C/T	0.791	0.210	-0.017	0.013	0.174	23.628
rs2026267	ebi-a-GCST90027161	21	40711477	C/A	0.700	0.300	-0.020	0.012	0.087	22.831
rs687135	ebi-a-GCST90027161	9	37257202	C/T	0.451	0.451	-0.020	0.010	0.048	27.221
rs12474402	ebi-a-GCST90027161	2	207736571	C/T	0.934	0.066	-0.021	0.026	0.411	28.214
rs9359954	ebi-a-GCST90027161	6	92318594	T/G	0.459	0.459	-0.023	0.010	0.026	32.919
rs1894788	ebi-a-GCST90027161	10	118095330	C/T	0.721	0.279	-0.023	0.011	0.037	25.690
rs7741791	ebi-a-GCST90027161	6	168389324	C/A	0.833	0.167	-0.025	0.014	0.085	21.470
rs75422056	ebi-a-GCST90027161	5	164709456	G/A	0.916	0.085	-0.040	0.020	0.042	35.299
rs79400378	ebi-a-GCST90027161	9	11146069	G/A	0.920	0.080	-0.056	0.020	0.005	25.284

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rs114795493	ebi-a-GCST90027161	2	1932678	G/A	0.988	0.012	0.156	0.057	0.006	19.905
rs138213373	ebi-a-GCST90027161	21	42504569	C/T	0.991	0.009	0.055	0.065	0.394	19.328
rs17046499	ebi-a-GCST90027161	2	24954055	T/C	0.950	0.051	0.049	0.024	0.044	20.520
rs144254678	ebi-a-GCST90027161	6	160127079	C/A	0.985	0.015	0.048	0.044	0.278	26.174
rs145685858	ebi-a-GCST90027161	5	164256980	G/A	0.909	0.091	0.036	0.018	0.043	20.976
rs62247166	ebi-a-GCST90027161	3	71532738	C/T	0.525	0.475	0.034	0.010	0.001	42.335
rs138765620	ebi-a-GCST90027161	13	106122995	G/A	0.930	0.070	0.030	0.022	0.187	21.739
rs1966836	ebi-a-GCST90027161	11	57982229	A/G	0.302	0.302	0.028	0.011	0.010	25.018
rs12249908	ebi-a-GCST90027161	10	62649685	C/T	0.734	0.266	0.028	0.011	0.015	22.641
rs3811804	ebi-a-GCST90027161	4	2249893	G/A	0.958	0.042	0.028	0.025	0.278	26.532
rs71662826	ebi-a-GCST90027161	1	113926997	C/T	0.807	0.193	0.024	0.013	0.059	22.261
rs138630672	ebi-a-GCST90027161	20	59023849	G/A	0.984	0.016	0.024	0.051	0.638	21.540
rs115167302	ebi-a-GCST90027161	4	104164726	C/T	0.770	0.231	0.022	0.012	0.070	20.963
rs13106080	ebi-a-GCST90027161	4	152973525	T/C	0.471	0.471	0.021	0.010	0.037	21.417
rs748919	ebi-a-GCST90027161	11	133783232	T/C	0.745	0.255	0.020	0.011	0.068	21.046
rs114313565	ebi-a-GCST90027161	1	211277546	G/A	0.980	0.020	0.019	0.043	0.659	22.622
rs28616142	ebi-a-GCST90027161	15	86867867	C/T	0.619	0.381	0.018	0.011	0.081	21.236
rs2789517	ebi-a-GCST90027161	9	129835114	G/A	0.093	0.093	0.018	0.022	0.401	28.634
rs75139387	ebi-a-GCST90027161	2	99739203	G/A	0.935	0.065	0.017	0.023	0.460	25.320
rs62310295	ebi-a-GCST90027161	4	57858267	G/T	0.688	0.312	0.015	0.011	0.200	24.355
rs61788837	ebi-a-GCST90027161	1	75275535	C/T	0.599	0.401	0.014	0.011	0.180	24.453
rs2447094	ebi-a-GCST90027161	17	2294048	A/C	0.460	0.460	0.013	0.010	0.215	32.686
rs9459125	ebi-a-GCST90027161	6	158433273	G/A	0.380	0.380	0.012	0.011	0.260	22.448
rs200997112	ebi-a-GCST90027161	5	69453717	T/C	0.919	0.081	0.012	0.020	0.550	25.060
rs5005350	ebi-a-GCST90027161	11	4820481	G/A	0.741	0.259	0.012	0.012	0.323	19.485
rs72697803	ebi-a-GCST90027161	1	112200081	A/G	0.813	0.187	0.011	0.013	0.406	20.045
rs8033745	ebi-a-GCST90027161	15	81910766	A/G	0.812	0.188	0.011	0.013	0.422	19.879
rs55661628	ebi-a-GCST90027161	19	9548698	C/T	0.478	0.478	0.010	0.010	0.317	24.942
rs2106214	ebi-a-GCST90027161	8	12577657	C/T	0.685	0.315	0.010	0.012	0.398	22.126
rs11021354	ebi-a-GCST90027161	11	95672960	A/G	0.653	0.347	0.010	0.011	0.382	24.379
rs4323424	ebi-a-GCST90027161	7	49134861	G/T	0.476	0.476	0.009	0.010	0.360	19.333
rs725632	ebi-a-GCST90027161	4	35979671	G/A	0.471	0.471	0.009	0.010	0.403	26.898
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	53.168

rs7123875	ebi-a-GCST90027161	11	66239147	C/T	0.681	0.319	0.008	0.011	0.472	35.370
rs7177937	ebi-a-GCST90027161	15	54622090	T/C	0.348	0.348	0.008	0.011	0.476	20.672
rs10209654	ebi-a-GCST90027161	2	145812584	G/A	0.360	0.360	0.007	0.011	0.504	22.332
rs2564733	ebi-a-GCST90027161	1	236809661	T/C	0.286	0.286	0.007	0.011	0.544	20.513
rs2814611	ebi-a-GCST90027161	1	191606863	A/C	0.183	0.183	0.007	0.013	0.616	22.004
rs17082165	ebi-a-GCST90027161	5	92035797	T/C	0.897	0.103	0.006	0.017	0.707	19.825
rs3861668	ebi-a-GCST90027161	14	66622206	C/T	0.269	0.269	0.006	0.011	0.585	20.597
rs540606	ebi-a-GCST90027161	2	45138507	A/G	0.410	0.410	0.006	0.010	0.561	35.174
rs10822129	ebi-a-GCST90027161	10	64846841	C/T	0.594	0.406	0.006	0.010	0.566	28.663
rs8061113	ebi-a-GCST90027161	16	83678823	A/G	0.572	0.428	0.006	0.010	0.571	20.089
rs1611107	ebi-a-GCST90027161	1	96516578	G/A	0.787	0.214	0.006	0.012	0.625	31.007
rs62573521	ebi-a-GCST90027161	9	22648200	C/T	0.970	0.030	0.006	0.033	0.868	30.988
rs2152134	ebi-a-GCST90027161	1	71154417	A/G	0.762	0.238	0.005	0.012	0.660	20.714
rs78385057	ebi-a-GCST90027161	4	37249825	A/C	0.824	0.176	0.005	0.014	0.712	22.204
rs4752129	ebi-a-GCST90027161	10	119675103	G/A	0.854	0.147	0.005	0.014	0.714	22.016
rs6881743	ebi-a-GCST90027161	5	149660590	T/C	0.749	0.251	0.005	0.012	0.691	23.562
rs6960266	ebi-a-GCST90027161	7	147714893	C/T	0.648	0.352	0.005	0.011	0.660	21.034
rs17652742	ebi-a-GCST90027161	14	30078329	C/A	0.417	0.417	0.005	0.010	0.660	23.841
rs10189857	ebi-a-GCST90027161	2	60713235	A/G	0.548	0.452	0.004	0.010	0.704	24.109
rs13078384	ebi-a-GCST90027161	3	85264266	G/A	0.693	0.307	0.004	0.011	0.751	44.523
rs7141420	ebi-a-GCST90027161	14	79899454	C/T	0.454	0.454	0.003	0.010	0.761	19.960
rs1891196	ebi-a-GCST90027161	1	208718672	A/G	0.572	0.428	0.003	0.010	0.773	28.960
rs7113976	ebi-a-GCST90027161	11	85869737	C/T	0.604	0.396	0.002	0.011	0.830	21.879
rs12327306	ebi-a-GCST90027161	18	13130681	C/T	0.673	0.327	0.002	0.011	0.837	21.079
rs1423551	ebi-a-GCST90027161	5	52744408	C/T	0.681	0.319	0.002	0.011	0.862	27.309
rs261068	ebi-a-GCST90027161	5	169320689	A/C	0.742	0.258	0.002	0.011	0.876	21.251
rs4844948	ebi-a-GCST90027161	1	210306844	A/C	0.452	0.452	0.002	0.010	0.866	20.497
rs741501	ebi-a-GCST90027161	3	180749249	G/T	0.826	0.175	0.002	0.013	0.901	20.499
rs627685	ebi-a-GCST90027161	18	53186092	T/C	0.710	0.290	0.002	0.011	0.893	26.432
rs728827	ebi-a-GCST90027161	8	143193540	T/C	0.196	0.196	0.002	0.013	0.912	22.605
rs12897559	ebi-a-GCST90027161	14	96861151	A/G	0.610	0.390	0.001	0.011	0.896	20.737
rs10882994	ebi-a-GCST90027161	10	99504725	A/G	0.233	0.233	0.001	0.012	0.931	19.449
rs56210058	ebi-a-GCST90027161	16	51202778	G/A	0.793	0.207	0.001	0.012	0.949	23.705
rs10006551	ebi-a-GCST90027161	4	105433088	C/T	0.452	0.452	0.001	0.010	0.948	31.741
rs2158396	ebi-a-GCST90027161	11	17849368	G/A	0.540	0.461	0.001	0.010	0.943	26.629
rs838145	ebi-a-GCST90027161	19	49248730	G/A	0.397	0.397	0.000	0.011	0.983	21.939
rs9867861	ebi-a-GCST90027161	3	161281136	G/T	0.660	0.340	0.000	0.011	0.987	24.460
rs6882046	ebi-a-GCST90027161	5	87968864	A/G	0.769	0.231	0.000	0.012	0.996	52.326
rs7803932	ebi-a-GCST90027161	7	70203673	G/A	0.837	0.163	0.000	0.014	0.994	22.045
rs13138569	ebi-a-GCST90027161	4	162807581	T/G	0.532	0.468	-0.001	0.010	0.914	25.720
rs7431028	ebi-a-GCST90027161	3	36110865	T/G	0.497	0.497	-0.002	0.010	0.866	22.843
rs7682789	ebi-a-GCST90027161	4	25433590	G/T	0.897	0.104	-0.003	0.017	0.869	24.553
rs13274119	ebi-a-GCST90027161	8	143342967	C/A	0.846	0.154	-0.003	0.014	0.821	34.659
rs12434389	ebi-a-GCST90027161	14	73931705	A/G	0.761	0.239	-0.003	0.012	0.782	22.645
rs55792100	ebi-a-GCST90027161	18	50907080	A/G	0.439	0.439	-0.004	0.010	0.726	19.598
rs1941954	ebi-a-GCST90027161	18	35159596	A/C	0.295	0.295	-0.004	0.011	0.740	23.605
rs6712501	ebi-a-GCST90027161	2	174943271	C/T	0.843	0.157	-0.004	0.014	0.776	21.066
rs34198201	ebi-a-GCST90027161	2	236663836	C/A	0.787	0.213	-0.004	0.013	0.732	25.759
rs13266268	ebi-a-GCST90027161	8	142611971	C/T	0.618	0.382	-0.005	0.011	0.677	43.770
rs67822265	ebi-a-GCST90027161	2	53715939	C/T	0.630	0.370	-0.005	0.011	0.667	25.466

rs625464	ebi-a-GCST90027161	11	118033545	T/C	0.450	0.450	-0.005	0.010	0.643	21.510
rs4737239	ebi-a-GCST90027161	8	68460852	A/G	0.286	0.286	-0.005	0.011	0.667	22.782
rs72773296	ebi-a-GCST90027161	5	103445850	C/T	0.877	0.123	-0.005	0.016	0.756	19.807
rs7570446	ebi-a-GCST90027161	2	193801010	C/A	0.450	0.450	-0.005	0.010	0.615	22.013
rs12549154	ebi-a-GCST90027161	8	88604332	T/C	0.753	0.247	-0.005	0.012	0.653	20.442
rs2411440	ebi-a-GCST90027161	16	28653523	C/T	0.569	0.431	-0.006	0.010	0.568	54.646
rs314972	ebi-a-GCST90027161	2	126000439	C/A	0.579	0.421	-0.006	0.010	0.557	21.685
rs10799122	ebi-a-GCST90027161	1	29168766	G/T	0.679	0.321	-0.007	0.011	0.548	25.300
rs303760	ebi-a-GCST90027161	18	21083738	C/T	0.657	0.343	-0.007	0.011	0.545	62.321
rs9478294	ebi-a-GCST90027161	6	150273244	T/C	0.648	0.353	-0.007	0.011	0.551	21.015
rs12147491	ebi-a-GCST90027161	14	61867994	A/G	0.317	0.317	-0.007	0.011	0.546	23.976
rs11685574	ebi-a-GCST90027161	2	225829595	C/T	0.354	0.354	-0.007	0.011	0.491	19.629
rs2383361	ebi-a-GCST90027161	4	180814355	G/A	0.425	0.425	-0.008	0.010	0.432	22.508
rs1125841	ebi-a-GCST90027161	8	30858054	C/T	0.388	0.388	-0.009	0.011	0.419	23.974
rs9585136	ebi-a-GCST90027161	13	100239799	C/T	0.371	0.371	-0.009	0.011	0.412	22.303
rs1860705	ebi-a-GCST90027161	7	120056669	C/T	0.211	0.211	-0.009	0.012	0.448	22.301
rs1837606	ebi-a-GCST90027161	11	15838137	T/C	0.711	0.289	-0.011	0.011	0.346	21.141
rs12119149	ebi-a-GCST90027161	1	44243283	C/T	0.259	0.259	-0.012	0.012	0.313	21.086
rs4709983	ebi-a-GCST90027161	6	166184494	C/T	0.381	0.381	-0.012	0.011	0.253	22.877
rs6551965	ebi-a-GCST90027161	4	66729923	C/T	0.526	0.474	-0.012	0.010	0.230	24.213
rs11503764	ebi-a-GCST90027161	12	74375399	G/A	0.868	0.132	-0.012	0.019	0.523	23.947
rs114158672	ebi-a-GCST90027161	2	114527991	A/G	0.963	0.037	-0.013	0.031	0.684	20.305
rs11940694	ebi-a-GCST90027161	4	39414993	A/G	0.378	0.378	-0.013	0.011	0.237	65.090
rs73373942	ebi-a-GCST90027161	6	867824	C/T	0.821	0.179	-0.014	0.013	0.288	21.470
rs76102321	ebi-a-GCST90027161	20	10488882	C/T	0.970	0.030	-0.014	0.027	0.614	25.359
rs9537924	ebi-a-GCST90027161	13	58606532	A/G	0.765	0.235	-0.014	0.012	0.231	28.029
rs11652858	ebi-a-GCST90027161	17	46844996	C/T	0.681	0.319	-0.014	0.011	0.193	20.647
rs34863300	ebi-a-GCST90027161	7	20826452	T/G	0.684	0.316	-0.015	0.011	0.183	20.425
rs11646721	ebi-a-GCST90027161	16	9570367	C/T	0.932	0.068	-0.015	0.021	0.458	29.530
rs191164269	ebi-a-GCST90027161	7	135057596	C/T	0.978	0.022	-0.016	0.036	0.662	22.833
rs164328	ebi-a-GCST90027161	3	6800044	G/T	0.073	0.073	-0.016	0.022	0.459	24.676
rs139684508	ebi-a-GCST90027161	5	52967571	A/G	0.984	0.017	-0.016	0.048	0.734	20.159
rs1397132	ebi-a-GCST90027161	16	62054665	T/C	0.425	0.425	-0.018	0.010	0.090	32.094
rs72751494	ebi-a-GCST90027161	5	25335090	C/T	0.883	0.117	-0.019	0.016	0.218	24.146
rs149650768	ebi-a-GCST90027161	2	179958567	T/C	0.979	0.022	-0.020	0.037	0.590	22.287
rs203467	ebi-a-GCST90027161	17	19809749	C/T	0.761	0.239	-0.023	0.012	0.059	24.952
rs798585	ebi-a-GCST90027161	3	118511515	G/A	0.475	0.475	-0.024	0.010	0.016	23.890
rs13413257	ebi-a-GCST90027161	2	80637407	C/T	0.986	0.014	-0.028	0.043	0.519	24.980
rs76602912	ebi-a-GCST90027161	20	57459868	T/C	0.979	0.022	-0.028	0.038	0.469	20.615
rs1571520	ebi-a-GCST90027161	20	14897796	T/C	0.869	0.131	-0.028	0.016	0.072	20.316
rs1229984	ebi-a-GCST90027161	4	100239319	T/C	0.017	0.017	-0.028	0.041	0.494	306.939
rs13390019	ebi-a-GCST90027161	2	97797680	T/C	0.899	0.101	-0.033	0.019	0.083	29.923
rs111674320	ebi-a-GCST90027161	3	49021111	T/C	0.949	0.052	-0.037	0.022	0.095	28.404
rs184411898	ebi-a-GCST90027161	10	119592701	C/A	0.935	0.065	-0.037	0.025	0.136	28.404
rs10060818	ebi-a-GCST90027161	5	67859256	A/G	0.886	0.115	-0.041	0.018	0.019	26.298
rs244315	ebi-a-GCST90027161	17	53214654	C/T	0.765	0.235	-0.058	0.016	0.000	20.112
rs12130062	ebi-a-GCST90027161	1	147782766	A/G	0.973	0.027	-0.074	0.035	0.035	20.878
rs117947453	ebi-a-GCST90027161	16	51679082	C/T	0.980	0.020	-0.080	0.040	0.042	22.205

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rs76023480	ebi-a-GCST90027161	7	94016769	A/C	0.960	0.040	0.046	0.023	0.047	26.393

rs114847710	ebi-a-GCST90027161	16	25642216	C/A	0.987	0.014	0.043	0.055	0.443	20.519
rs55865721	ebi-a-GCST90027161	19	33832399	G/A	0.935	0.065	0.038	0.022	0.091	20.944
rs79190103	ebi-a-GCST90027161	1	150084724	C/T	0.965	0.035	0.032	0.027	0.236	24.116
rs35589108	ebi-a-GCST90027161	6	160207845	A/G	0.984	0.016	0.030	0.042	0.479	23.171
rs1660233	ebi-a-GCST90027161	18	53030074	C/T	0.627	0.373	0.029	0.011	0.007	24.017
rs80049461	ebi-a-GCST90027161	2	41657570	G/A	0.979	0.021	0.024	0.036	0.496	20.478
rs74604756	ebi-a-GCST90027161	1	55160482	G/T	0.951	0.049	0.021	0.023	0.349	21.497
rs80101966	ebi-a-GCST90027161	7	4786709	G/A	0.959	0.041	0.021	0.025	0.397	26.885
rs62228098	ebi-a-GCST90027161	22	46477858	C/T	0.948	0.052	0.020	0.023	0.378	21.180
rs1433548	ebi-a-GCST90027161	9	8937116	C/T	0.330	0.330	0.016	0.011	0.141	25.757
rs2634309	ebi-a-GCST90027161	11	89421092	C/T	0.765	0.235	0.016	0.012	0.171	21.285
rs6963123	ebi-a-GCST90027161	7	136374840	C/A	0.707	0.293	0.014	0.011	0.212	20.201
rs749331	ebi-a-GCST90027161	2	23882347	G/A	0.536	0.464	0.012	0.010	0.244	21.243
rs1536057	ebi-a-GCST90027161	6	108885623	C/T	0.720	0.281	0.011	0.011	0.331	22.575
rs2504930	ebi-a-GCST90027161	6	160845219	T/C	0.194	0.194	0.011	0.013	0.406	22.490
rs2515314	ebi-a-GCST90027161	11	115524651	C/T	0.749	0.251	0.010	0.012	0.370	19.797
rs10146099	ebi-a-GCST90027161	14	99128864	T/C	0.848	0.152	0.010	0.014	0.464	19.429
rs12590958	ebi-a-GCST90027161	14	42427507	T/C	0.649	0.351	0.008	0.011	0.445	21.889
rs7334064	ebi-a-GCST90027161	13	68133618	G/A	0.420	0.420	0.007	0.010	0.486	19.362
rs12884871	ebi-a-GCST90027161	14	46984874	C/T	0.703	0.297	0.007	0.011	0.552	20.244
rs1211319	ebi-a-GCST90027161	2	206156161	C/T	0.140	0.140	0.005	0.015	0.723	22.409
rs1207108	ebi-a-GCST90027161	6	19054397	C/A	0.735	0.265	0.005	0.012	0.673	24.959
rs12580688	ebi-a-GCST90027161	12	52235460	A/G	0.690	0.310	0.004	0.011	0.695	22.090
rs59444568	ebi-a-GCST90027161	18	75149263	G/A	0.459	0.459	0.004	0.010	0.691	21.496
rs1342916	ebi-a-GCST90027161	1	190101672	C/T	0.502	0.498	0.004	0.010	0.706	21.728
rs111931394	ebi-a-GCST90027161	5	7423717	A/G	0.676	0.324	0.003	0.011	0.782	23.665
rs7466239	ebi-a-GCST90027161	9	108707126	C/T	0.870	0.130	0.002	0.019	0.912	20.934
rs1552626	ebi-a-GCST90027161	3	67450230	A/C	0.250	0.250	0.001	0.012	0.965	22.991
rs3091528	ebi-a-GCST90027161	20	43949368	A/G	0.390	0.390	0.000	0.010	0.967	20.242
rs9309252	ebi-a-GCST90027161	2	54165772	A/G	0.858	0.142	-0.001	0.014	0.929	21.426
rs75149621	ebi-a-GCST90027161	6	70799211	G/A	0.892	0.108	-0.002	0.016	0.916	21.112
rs10958682	ebi-a-GCST90027161	8	38272952	T/C	0.798	0.202	-0.004	0.013	0.787	21.013
rs6966898	ebi-a-GCST90027161	7	135221170	C/T	0.672	0.328	-0.004	0.011	0.708	21.297
rs7089819	ebi-a-GCST90027161	10	80588798	G/T	0.784	0.216	-0.004	0.012	0.724	20.713
rs115578679	ebi-a-GCST90027161	3	145117120	G/A	0.984	0.016	-0.004	0.046	0.924	20.082
rs12414036	ebi-a-GCST90027161	10	13821056	T/C	0.240	0.240	-0.004	0.012	0.709	21.906
rs17201627	ebi-a-GCST90027161	3	35695010	C/T	0.929	0.071	-0.005	0.020	0.816	21.207
rs78054636	ebi-a-GCST90027161	4	80873617	C/T	0.853	0.147	-0.006	0.014	0.695	23.283
rs34811744	ebi-a-GCST90027161	2	96367067	G/A	0.976	0.024	-0.010	0.036	0.793	20.540
rs6095362	ebi-a-GCST90027161	20	47536269	C/T	0.698	0.302	-0.012	0.011	0.278	23.244
rs79713910	ebi-a-GCST90027161	13	86349258	G/A	0.940	0.060	-0.016	0.024	0.510	23.559
rs57861784	ebi-a-GCST90027161	2	166040319	G/T	0.956	0.044	-0.016	0.023	0.499	20.765
rs222903	ebi-a-GCST90027161	1	96485694	C/A	0.853	0.147	-0.020	0.016	0.217	20.314
rs143369578	ebi-a-GCST90027161	12	21537926	C/T	0.961	0.039	-0.020	0.025	0.428	23.874
rs34600551	ebi-a-GCST90027161	6	53475007	G/A	0.817	0.184	-0.021	0.013	0.113	21.514
rs41308146	ebi-a-GCST90027161	1	246829855	T/C	0.973	0.027	-0.022	0.028	0.433	20.798
rs62457574	ebi-a-GCST90027161	7	29877286	G/A	0.831	0.169	-0.023	0.014	0.092	20.879
rs1229984	ebi-a-GCST90027161	4	100239319	T/C	0.017	0.017	-0.028	0.041	0.494	44.067
rs76712070	ebi-a-GCST90027161	1	243050615	A/G	0.953	0.047	-0.030	0.028	0.282	20.863
rs725834	ebi-a-GCST90027161	13	100456858	C/A	0.624	0.376	-0.032	0.011	0.003	21.337

rs56185482	ebi-a-GCST90027161	5	107159341	G/T	0.987	0.013	-0.106	0.056	0.060	20.817
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rs73041353	ebi-a-GCST90027161	7	2250333	C/T	0.969	0.031	0.075	0.031	0.016	23.000
rs12405730	ebi-a-GCST90027161	1	226042596	T/G	0.932	0.068	0.055	0.020	0.006	20.657
rs77783226	ebi-a-GCST90027161	8	63239333	T/C	0.984	0.016	0.055	0.040	0.176	20.586
rs145455434	ebi-a-GCST90027161	13	75560271	T/C	0.984	0.016	0.050	0.044	0.259	22.812
rs12510105	ebi-a-GCST90027161	4	57714839	G/A	0.910	0.090	0.041	0.017	0.015	22.070
rs72700109	ebi-a-GCST90027161	15	27412392	C/T	0.975	0.025	0.033	0.034	0.329	21.164
rs12729989	ebi-a-GCST90027161	1	38327384	A/G	0.667	0.333	0.025	0.011	0.017	25.162
rs62400911	ebi-a-GCST90027161	6	23546307	C/T	0.977	0.023	0.023	0.033	0.480	22.928
rs2128204	ebi-a-GCST90027161	3	73365812	G/A	0.638	0.362	0.021	0.011	0.050	20.458
rs6567160	ebi-a-GCST90027161	18	57829135	T/C	0.790	0.210	0.019	0.013	0.136	53.101
rs6867780	ebi-a-GCST90027161	5	179618281	T/C	0.880	0.120	0.016	0.016	0.316	22.038
rs36095630	ebi-a-GCST90027161	9	102219721	T/C	0.759	0.242	0.015	0.012	0.194	20.603
rs9463175	ebi-a-GCST90027161	6	9510030	C/T	0.658	0.342	0.013	0.011	0.226	22.272
rs6490299	ebi-a-GCST90027161	12	121079798	A/G	0.751	0.249	0.012	0.012	0.305	21.879
rs1891186	ebi-a-GCST90027161	1	159629021	A/G	0.631	0.369	0.009	0.010	0.394	22.407
rs1912274	ebi-a-GCST90027161	10	87341247	C/T	0.764	0.236	0.009	0.012	0.470	28.383
rs1532127	ebi-a-GCST90027161	19	47571938	G/A	0.337	0.337	0.008	0.011	0.440	31.221
rs6781897	ebi-a-GCST90027161	3	71025076	A/G	0.606	0.394	0.008	0.010	0.453	22.499
rs13252660	ebi-a-GCST90027161	8	142239381	C/T	0.615	0.386	0.007	0.010	0.535	28.386
rs12531328	ebi-a-GCST90027161	7	79058095	C/T	0.489	0.489	0.006	0.010	0.563	23.573
rs12968428	ebi-a-GCST90027161	18	50750225	A/G	0.645	0.355	0.004	0.011	0.698	24.882
rs77619588	ebi-a-GCST90027161	12	66289733	A/C	0.984	0.016	0.004	0.040	0.919	19.922
rs6978121	ebi-a-GCST90027161	7	143715149	A/C	0.649	0.351	0.004	0.011	0.721	28.968
rs2017012	ebi-a-GCST90027161	15	47449385	G/A	0.504	0.496	0.004	0.010	0.708	23.285
rs12361365	ebi-a-GCST90027161	11	68591872	A/G	0.836	0.164	0.003	0.014	0.809	20.611
rs4734807	ebi-a-GCST90027161	8	105705585	G/A	0.266	0.266	0.003	0.012	0.813	23.525
rs12592333	ebi-a-GCST90027161	15	87900076	C/A	0.514	0.486	0.002	0.014	0.868	21.905
rs62107261	ebi-a-GCST90027161	2	422144	T/C	0.964	0.037	0.002	0.030	0.939	33.032
rs17133315	ebi-a-GCST90027161	7	3461875	G/A	0.862	0.138	0.001	0.014	0.919	20.903
rs12996547	ebi-a-GCST90027161	2	602036	C/T	0.631	0.369	0.001	0.011	0.916	27.842
rs11077443	ebi-a-GCST90027161	17	77542174	C/T	0.845	0.155	0.001	0.014	0.955	19.852
rs2812349	ebi-a-GCST90027161	9	34673913	T/C	0.393	0.393	0.000	0.011	0.968	26.697
rs2174019	ebi-a-GCST90027161	3	2472667	A/G	0.692	0.308	-0.001	0.011	0.953	20.222
rs7516954	ebi-a-GCST90027161	1	223846564	C/T	0.751	0.249	-0.002	0.012	0.900	29.870
rs12438597	ebi-a-GCST90027161	15	98679639	G/A	0.178	0.178	-0.003	0.014	0.840	28.845
rs56205728	ebi-a-GCST90027161	15	40567237	G/A	0.728	0.272	-0.004	0.012	0.748	20.526
rs2526383	ebi-a-GCST90027161	3	50184538	T/C	0.134	0.134	-0.005	0.015	0.756	24.778
rs6892568	ebi-a-GCST90027161	5	122888133	C/T	0.474	0.474	-0.005	0.010	0.621	20.562
rs113720072	ebi-a-GCST90027161	10	123511902	C/T	0.882	0.118	-0.005	0.016	0.758	20.785
rs13128971	ebi-a-GCST90027161	4	44581211	T/G	0.566	0.434	-0.006	0.010	0.574	21.696
rs2977178	ebi-a-GCST90027161	8	1670030	G/A	0.462	0.462	-0.006	0.010	0.537	26.763
rs58927672	ebi-a-GCST90027161	2	106426735	G/A	0.969	0.031	-0.007	0.031	0.826	20.701
rs7974266	ebi-a-GCST90027161	12	113007602	T/C	0.704	0.296	-0.007	0.011	0.532	20.579
rs67937375	ebi-a-GCST90027161	18	40729163	G/A	0.593	0.407	-0.008	0.010	0.432	36.750
rs149825928	ebi-a-GCST90027161	4	6237219	G/A	0.949	0.051	-0.009	0.022	0.697	21.463
rs10912318	ebi-a-GCST90027161	1	188296841	A/G	0.744	0.256	-0.009	0.011	0.435	20.622
rs9310527	ebi-a-GCST90027161	3	17661762	A/G	0.506	0.494	-0.011	0.010	0.301	28.740
rs62033406	ebi-a-GCST90027161	16	53824226	A/G	0.568	0.432	-0.011	0.010	0.282	19.649

rs9496614	ebi-a-GCST90027161	6	100613551	T/C	0.779	0.221	-0.014	0.013	0.292	21.404
rs75543117	ebi-a-GCST90027161	10	53533673	A/C	0.948	0.052	-0.016	0.023	0.479	22.108
rs75279435	ebi-a-GCST90027161	7	128689077	T/C	0.938	0.062	-0.017	0.020	0.379	19.646
rs2224438	ebi-a-GCST90027161	14	29839380	C/T	0.379	0.379	-0.018	0.011	0.098	23.873
rs148147752	ebi-a-GCST90027161	5	87119890	A/G	0.974	0.026	-0.021	0.027	0.435	23.202
rs16883209	ebi-a-GCST90027161	6	73741071	A/G	0.937	0.063	-0.028	0.022	0.215	22.863
rs13302883	ebi-a-GCST90027161	9	112741421	C/T	0.951	0.049	-0.031	0.023	0.170	20.467
rs75752731	ebi-a-GCST90027161	2	47723493	T/G	0.901	0.099	-0.032	0.017	0.056	22.354

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rs115073811	ebi-a-GCST90027161	3	444248	A/G	0.992	0.008	0.137	0.070	0.049	19.450
rs73041353	ebi-a-GCST90027161	7	2250333	C/T	0.969	0.031	0.075	0.031	0.016	20.857
rs12405730	ebi-a-GCST90027161	1	226042596	T/G	0.932	0.068	0.055	0.020	0.006	19.826
rs77783226	ebi-a-GCST90027161	8	63239333	T/C	0.984	0.016	0.055	0.040	0.176	21.612
rs62104180	ebi-a-GCST90027161	2	466003	G/A	0.962	0.038	0.029	0.030	0.336	26.240
rs62400911	ebi-a-GCST90027161	6	23546307	C/T	0.977	0.023	0.023	0.033	0.480	21.767
rs663640	ebi-a-GCST90027161	18	57846077	C/T	0.807	0.193	0.020	0.013	0.130	38.721
rs34970667	ebi-a-GCST90027161	3	73371788	G/A	0.634	0.366	0.019	0.011	0.080	19.880
rs36095630	ebi-a-GCST90027161	9	102219721	T/C	0.759	0.242	0.015	0.012	0.194	25.099
rs62575314	ebi-a-GCST90027161	9	108839612	C/T	0.943	0.057	0.014	0.023	0.524	19.599
rs10986279	ebi-a-GCST90027161	9	126992227	C/T	0.433	0.433	0.014	0.015	0.358	19.813
rs10887510	ebi-a-GCST90027161	10	87388643	C/T	0.776	0.224	0.014	0.012	0.264	31.998
rs3748785	ebi-a-GCST90027161	1	97187083	A/C	0.313	0.313	0.013	0.011	0.224	21.726
rs3824997	ebi-a-GCST90027161	11	124016820	A/G	0.599	0.401	0.013	0.010	0.228	20.346
rs6490299	ebi-a-GCST90027161	12	121079798	A/G	0.751	0.249	0.012	0.012	0.305	28.232
rs1891186	ebi-a-GCST90027161	1	159629021	A/G	0.631	0.369	0.009	0.010	0.394	22.033
rs35233032	ebi-a-GCST90027161	2	142784676	G/A	0.682	0.318	0.008	0.011	0.492	25.579
rs9822586	ebi-a-GCST90027161	3	71786050	A/G	0.366	0.366	0.007	0.011	0.534	19.816
rs2690827	ebi-a-GCST90027161	7	113989578	T/C	0.395	0.395	0.006	0.011	0.538	19.903
rs34215431	ebi-a-GCST90027161	7	69658345	T/C	0.856	0.144	0.006	0.015	0.683	21.489
rs12456696	ebi-a-GCST90027161	18	6911694	C/T	0.695	0.305	0.006	0.011	0.599	22.005
rs8101491	ebi-a-GCST90027161	19	47642780	G/A	0.429	0.429	0.005	0.010	0.616	27.639
rs12968428	ebi-a-GCST90027161	18	50750225	A/G	0.645	0.355	0.004	0.011	0.698	20.142
rs2934477	ebi-a-GCST90027161	16	84923247	T/G	0.449	0.449	0.003	0.010	0.781	21.787
rs2812349	ebi-a-GCST90027161	9	34673913	T/C	0.393	0.393	0.000	0.011	0.968	29.631
rs7575617	ebi-a-GCST90027161	2	618188	A/G	0.644	0.356	0.000	0.011	0.973	26.379
rs2503687	ebi-a-GCST90027161	13	73676673	A/C	0.875	0.125	-0.001	0.014	0.943	19.752
rs4916670	ebi-a-GCST90027161	5	88991920	A/G	0.237	0.237	-0.002	0.012	0.854	20.067
rs11763320	ebi-a-GCST90027161	7	15630754	A/G	0.262	0.262	-0.002	0.011	0.835	20.250
rs111389326	ebi-a-GCST90027161	3	49982379	G/A	0.797	0.203	-0.003	0.012	0.821	26.100
rs12438597	ebi-a-GCST90027161	15	98679639	G/A	0.178	0.178	-0.003	0.014	0.840	20.247
rs146340525	ebi-a-GCST90027161	7	81510926	T/C	0.963	0.037	-0.004	0.025	0.884	20.969
rs56148567	ebi-a-GCST90027161	3	117540528	A/G	0.848	0.153	-0.004	0.014	0.782	19.504
rs72627231	ebi-a-GCST90027161	18	53195964	C/T	0.671	0.329	-0.006	0.011	0.582	21.624
rs2977178	ebi-a-GCST90027161	8	1670030	G/A	0.462	0.462	-0.006	0.010	0.537	19.473
rs4388657	ebi-a-GCST90027161	1	188299822	G/A	0.746	0.254	-0.006	0.011	0.570	19.417
rs7974266	ebi-a-GCST90027161	12	113007602	T/C	0.704	0.296	-0.007	0.011	0.532	24.980
rs4707535	ebi-a-GCST90027161	6	89977906	T/C	0.206	0.206	-0.008	0.013	0.546	20.443
rs67937375	ebi-a-GCST90027161	18	40729163	G/A	0.593	0.407	-0.008	0.010	0.432	33.593
rs12592712	ebi-a-GCST90027161	15	36889375	A/G	0.781	0.219	-0.008	0.012	0.499	20.569
rs140836069	ebi-a-GCST90027161	6	151847597	C/T	0.984	0.017	-0.010	0.035	0.781	19.563

rs9310527	ebi-a-GCST90027161	3	17661762	A/G	0.506	0.494	-0.011	0.010	0.301	23.369
rs74507270	ebi-a-GCST90027161	6	167167262	T/G	0.932	0.068	-0.011	0.021	0.613	20.514
rs35766649	ebi-a-GCST90027161	3	178463111	G/A	0.865	0.135	-0.012	0.015	0.447	24.304
rs76179192	ebi-a-GCST90027161	1	41423372	C/T	0.794	0.206	-0.012	0.012	0.334	19.752
rs55643109	ebi-a-GCST90027161	7	128580175	C/T	0.938	0.062	-0.015	0.020	0.449	21.003
rs75543117	ebi-a-GCST90027161	10	53533673	A/C	0.948	0.052	-0.016	0.023	0.479	19.654
rs13302883	ebi-a-GCST90027161	9	112741421	C/T	0.951	0.049	-0.031	0.023	0.170	22.669
rs75752731	ebi-a-GCST90027161	2	47723493	T/G	0.901	0.099	-0.032	0.017	0.056	21.053
rs1679069	ebi-a-GCST90027161	4	57703214	A/G	0.874	0.126	-0.033	0.016	0.036	20.252
rs56292550	ebi-a-GCST90027161	19	5398933	A/G	0.940	0.060	-0.035	0.023	0.129	22.805
rs1261797	ebi-a-GCST90027161	14	95318168	G/A	0.828	0.172	-0.042	0.013	0.001	23.616
rs13353096	ebi-a-GCST90027161	13	108821541	G/A	0.985	0.015	-0.059	0.047	0.208	20.763

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rs35913626	ebi-a-GCST90027161	7	2282206	G/A	0.979	0.021	0.062	0.041	0.128	24.156
rs13030461	ebi-a-GCST90027161	2	52788305	G/A	0.977	0.023	0.048	0.039	0.220	23.627
rs79623991	ebi-a-GCST90027161	4	178968499	A/C	0.937	0.063	0.030	0.023	0.201	22.669
rs8133918	ebi-a-GCST90027161	21	46119544	G/A	0.794	0.206	0.028	0.013	0.023	20.223
rs28456273	ebi-a-GCST90027161	4	10750586	A/C	0.874	0.126	0.026	0.015	0.094	20.466
rs145553668	ebi-a-GCST90027161	20	47470792	G/A	0.976	0.025	0.023	0.035	0.510	20.930
rs78214065	ebi-a-GCST90027161	6	37685962	G/A	0.864	0.137	0.018	0.015	0.216	23.415
rs1342782	ebi-a-GCST90027161	1	91136217	T/C	0.483	0.483	0.018	0.010	0.085	27.230
rs144233025	ebi-a-GCST90027161	7	158258657	G/A	0.972	0.028	0.015	0.030	0.609	19.994
rs12857493	ebi-a-GCST90027161	13	67765653	G/A	0.499	0.499	0.011	0.010	0.277	19.776
rs77921834	ebi-a-GCST90027161	19	15707078	G/A	0.578	0.423	0.009	0.010	0.357	24.021
rs1719988	ebi-a-GCST90027161	18	5561167	G/A	0.195	0.195	0.009	0.045	0.845	22.121
rs79578966	ebi-a-GCST90027161	1	181621600	A/G	0.984	0.016	0.009	0.053	0.869	20.335
rs770613	ebi-a-GCST90027161	2	152731858	A/C	0.329	0.329	0.008	0.018	0.651	21.093
rs2885697	ebi-a-GCST90027161	1	41544279	G/T	0.335	0.335	0.007	0.011	0.507	28.640
rs7036875	ebi-a-GCST90027161	9	15653868	G/T	0.507	0.493	0.007	0.010	0.481	41.099
rs1433378	ebi-a-GCST90027161	4	130316519	T/C	0.783	0.218	0.006	0.012	0.606	23.574
rs117738197	ebi-a-GCST90027161	9	109173190	A/G	0.934	0.066	0.005	0.021	0.819	19.745
rs1793639	ebi-a-GCST90027161	11	131931531	G/A	0.620	0.380	0.003	0.011	0.746	28.338
rs10748800	ebi-a-GCST90027161	10	102621774	C/T	0.505	0.495	0.002	0.011	0.823	21.051
rs7253958	ebi-a-GCST90027161	19	52613301	G/A	0.687	0.313	0.002	0.011	0.843	23.203
rs73764716	ebi-a-GCST90027161	6	112541661	G/A	0.949	0.051	0.001	0.021	0.971	22.454
rs190087290	ebi-a-GCST90027161	21	21279721	G/A	0.971	0.029	0.000	0.030	0.999	20.170
rs60859036	ebi-a-GCST90027161	3	84668629	G/T	0.697	0.303	-0.002	0.011	0.854	24.196
rs11255848	ebi-a-GCST90027161	10	8746207	C/T	0.816	0.184	-0.002	0.014	0.858	19.955
rs72829420	ebi-a-GCST90027161	5	170700424	A/C	0.807	0.193	-0.005	0.012	0.690	29.193
rs1712791	ebi-a-GCST90027161	11	114623638	G/A	0.685	0.315	-0.010	0.011	0.365	21.328
rs284858	ebi-a-GCST90027161	10	104573936	T/C	0.412	0.412	-0.010	0.010	0.311	31.242
rs4771272	ebi-a-GCST90027161	13	98036960	A/C	0.557	0.443	-0.012	0.010	0.256	21.378
rs7901883	ebi-a-GCST90027161	10	103186838	G/A	0.772	0.228	-0.014	0.012	0.254	22.558
rs79524590	ebi-a-GCST90027161	8	19074804	T/C	0.945	0.055	-0.020	0.025	0.426	22.004
rs11646221	ebi-a-GCST90027161	16	7666088	G/T	0.425	0.425	-0.023	0.010	0.023	19.915
rs147031505	ebi-a-GCST90027161	9	124389884	G/A	0.961	0.039	-0.024	0.025	0.333	22.868
rs11840358	ebi-a-GCST90027161	13	47125701	G/A	0.376	0.376	-0.025	0.011	0.022	20.824
rs798579	ebi-a-GCST90027161	3	118505965	C/T	0.650	0.350	-0.027	0.011	0.011	26.076
rs12902670	ebi-a-GCST90027161	15	61693365	A/G	0.993	0.007	-0.034	0.094	0.713	19.885
rs11710008	ebi-a-GCST90027161	3	128224588	A/G	0.976	0.024	-0.039	0.038	0.304	20.628

rs117283688	ebi-a-GCST90027161	18	69932635	T/C	0.990	0.010	-0.093	0.057	0.104	19.744
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rs4882456	ebi-a-GCST90027161	12	83933760	G/T	0.992	0.008	0.074	0.052	0.155	20.005
rs7412	ebi-a-GCST90027161	19	45412079	C/T	0.925	0.075	0.058	0.019	0.002	56.760
rs113003165	ebi-a-GCST90027161	7	2150450	G/A	0.977	0.023	0.053	0.039	0.173	23.337
rs13030461	ebi-a-GCST90027161	2	52788305	G/A	0.977	0.023	0.048	0.039	0.220	22.092
rs34302939	ebi-a-GCST90027161	21	46117792	G/A	0.852	0.148	0.041	0.014	0.003	19.403
rs79623991	ebi-a-GCST90027161	4	178968499	A/C	0.937	0.063	0.030	0.023	0.201	20.564
rs11082040	ebi-a-GCST90027161	18	35609281	A/G	0.901	0.099	0.027	0.016	0.081	20.068
rs149586194	ebi-a-GCST90027161	7	158250210	C/T	0.987	0.013	0.024	0.059	0.686	20.900
rs12487861	ebi-a-GCST90027161	3	160535721	G/T	0.704	0.296	0.023	0.011	0.036	21.610
rs117833529	ebi-a-GCST90027161	14	24534270	C/T	0.974	0.026	0.022	0.040	0.573	19.554
rs11842871	ebi-a-GCST90027161	13	31042452	G/T	0.711	0.289	0.020	0.011	0.071	23.688
rs2647268	ebi-a-GCST90027161	4	106211443	A/G	0.639	0.361	0.020	0.011	0.065	21.288
rs78214065	ebi-a-GCST90027161	6	37685962	G/A	0.864	0.137	0.018	0.015	0.216	25.658
rs1342782	ebi-a-GCST90027161	1	91136217	T/C	0.483	0.483	0.018	0.010	0.085	32.111
rs72861745	ebi-a-GCST90027161	2	146122776	C/T	0.783	0.217	0.017	0.013	0.178	22.984
rs1991050	ebi-a-GCST90027161	16	64417893	A/G	0.964	0.037	0.017	0.032	0.599	21.677
rs2783127	ebi-a-GCST90027161	13	80165716	T/C	0.458	0.458	0.014	0.010	0.166	20.209
rs1347531	ebi-a-GCST90027161	16	60615598	C/T	0.636	0.364	0.012	0.011	0.253	19.889
rs12857493	ebi-a-GCST90027161	13	67765653	G/A	0.499	0.499	0.011	0.010	0.277	19.095
rs147417340	ebi-a-GCST90027161	13	57021072	A/C	0.986	0.014	0.011	0.048	0.820	21.752
rs7031105	ebi-a-GCST90027161	9	72127678	T/C	0.336	0.336	0.010	0.011	0.371	19.468
rs1719988	ebi-a-GCST90027161	18	5561167	G/A	0.195	0.195	0.009	0.045	0.845	21.536
rs55730499	ebi-a-GCST90027161	6	161005610	C/T	0.935	0.065	0.009	0.023	0.704	26.598
rs7554490	ebi-a-GCST90027161	1	60868895	C/T	0.795	0.205	0.008	0.013	0.548	25.435
rs2885697	ebi-a-GCST90027161	1	41544279	G/T	0.335	0.335	0.007	0.011	0.507	30.463
rs1433378	ebi-a-GCST90027161	4	130316519	T/C	0.783	0.218	0.006	0.012	0.606	24.991
rs909794	ebi-a-GCST90027161	22	29650458	C/T	0.337	0.337	0.005	0.011	0.617	19.636
rs117738197	ebi-a-GCST90027161	9	109173190	A/G	0.934	0.066	0.005	0.021	0.819	19.901
rs146385498	ebi-a-GCST90027161	7	147434652	T/C	0.947	0.053	0.004	0.024	0.869	20.010
rs1790165	ebi-a-GCST90027161	11	131928971	C/A	0.619	0.381	0.004	0.011	0.721	34.585
rs7300335	ebi-a-GCST90027161	12	60879049	A/G	0.550	0.450	0.003	0.010	0.786	19.469
rs10748800	ebi-a-GCST90027161	10	102621774	C/T	0.505	0.495	0.002	0.011	0.823	21.405
rs7253958	ebi-a-GCST90027161	19	52613301	G/A	0.687	0.313	0.002	0.011	0.843	22.531
rs2060260	ebi-a-GCST90027161	19	15704783	G/A	0.458	0.458	0.002	0.010	0.845	23.842
rs190087290	ebi-a-GCST90027161	21	21279721	G/A	0.971	0.029	0.000	0.030	0.999	19.768
rs7559581	ebi-a-GCST90027161	2	221269300	A/G	0.841	0.159	-0.001	0.014	0.922	20.427
rs60859036	ebi-a-GCST90027161	3	84668629	G/T	0.697	0.303	-0.002	0.011	0.854	25.715
rs1925388	ebi-a-GCST90027161	13	91028418	C/T	0.193	0.193	-0.002	0.013	0.863	19.852
rs7587251	ebi-a-GCST90027161	2	198930197	T/G	0.518	0.482	-0.002	0.010	0.825	22.542
rs12652507	ebi-a-GCST90027161	5	92554183	C/A	0.638	0.362	-0.002	0.014	0.864	19.692
rs8019744	ebi-a-GCST90027161	14	98846367	G/A	0.379	0.379	-0.003	0.011	0.759	20.964
rs2335252	ebi-a-GCST90027161	1	154640423	T/G	0.798	0.202	-0.004	0.013	0.758	19.944
rs6474930	ebi-a-GCST90027161	9	15563200	A/G	0.495	0.495	-0.005	0.010	0.637	42.472
rs55665236	ebi-a-GCST90027161	3	128202488	G/A	0.982	0.018	-0.008	0.047	0.865	21.225
rs1712791	ebi-a-GCST90027161	11	114623638	G/A	0.685	0.315	-0.010	0.011	0.365	19.797
rs284858	ebi-a-GCST90027161	10	104573936	T/C	0.412	0.412	-0.010	0.010	0.311	37.227
rs6710116	ebi-a-GCST90027161	2	2305125	T/C	0.697	0.303	-0.011	0.011	0.340	25.683
rs6684973	ebi-a-GCST90027161	1	73801632	A/G	0.350	0.350	-0.014	0.011	0.192	27.619

rs72741376	ebi-a-GCST90027161	9	93117511	G/A	0.900	0.100	-0.017	0.017	0.336	20.799
rs13394298	ebi-a-GCST90027161	2	153036628	C/A	0.870	0.130	-0.018	0.015	0.218	21.273
rs79524590	ebi-a-GCST90027161	8	19074804	T/C	0.945	0.055	-0.020	0.025	0.426	21.262
rs8093416	ebi-a-GCST90027161	18	40247141	T/C	0.719	0.281	-0.021	0.011	0.067	19.981
rs11646221	ebi-a-GCST90027161	16	7666088	G/T	0.425	0.425	-0.023	0.010	0.023	23.123
rs701005	ebi-a-GCST90027161	3	118467466	T/C	0.638	0.362	-0.024	0.011	0.022	29.686
rs147031505	ebi-a-GCST90027161	9	124389884	G/A	0.961	0.039	-0.024	0.025	0.333	22.079
rs150958168	ebi-a-GCST90027161	20	23069148	C/T	0.974	0.026	-0.028	0.033	0.395	21.219
rs115890192	ebi-a-GCST90027161	1	228261315	C/T	0.980	0.020	-0.061	0.038	0.106	20.552

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rs73041353	ebi-a-GCST90027161	7	2250333	C/T	0.969	0.031	0.075	0.031	0.016	20.959
rs17583672	ebi-a-GCST90027161	1	192628286	T/C	0.974	0.026	0.054	0.036	0.132	23.596
rs145455434	ebi-a-GCST90027161	13	75560271	T/C	0.984	0.016	0.050	0.044	0.259	22.567
rs12510105	ebi-a-GCST90027161	4	57714839	G/A	0.910	0.090	0.041	0.017	0.015	20.583
rs72700109	ebi-a-GCST90027161	15	27412392	C/T	0.975	0.025	0.033	0.034	0.329	20.676
rs117787553	ebi-a-GCST90027161	14	29710453	A/G	0.955	0.045	0.031	0.026	0.227	24.402
rs13083551	ebi-a-GCST90027161	3	2471573	G/A	0.826	0.174	0.030	0.018	0.095	21.280
rs11030099	ebi-a-GCST90027161	11	27677583	C/A	0.816	0.184	0.029	0.013	0.034	23.224
rs1333717	ebi-a-GCST90027161	1	98264578	G/A	0.242	0.242	0.026	0.012	0.028	21.989
rs12729989	ebi-a-GCST90027161	1	38327384	A/G	0.667	0.333	0.025	0.011	0.017	28.225
rs6567160	ebi-a-GCST90027161	18	57829135	T/C	0.790	0.210	0.019	0.013	0.136	59.826
rs77551378	ebi-a-GCST90027161	7	23217688	A/C	0.813	0.187	0.017	0.013	0.193	20.002
rs6867780	ebi-a-GCST90027161	5	179618281	T/C	0.880	0.120	0.016	0.016	0.316	22.237
rs7754916	ebi-a-GCST90027161	6	119112591	T/G	0.350	0.350	0.015	0.011	0.145	20.178
rs12992672	ebi-a-GCST90027161	2	632592	G/A	0.168	0.168	0.014	0.014	0.311	28.551
rs9463175	ebi-a-GCST90027161	6	9510030	C/T	0.658	0.342	0.013	0.011	0.226	26.985
rs4804014	ebi-a-GCST90027161	19	47542060	G/A	0.277	0.277	0.009	0.012	0.428	20.087
rs1891186	ebi-a-GCST90027161	1	159629021	A/G	0.631	0.369	0.009	0.010	0.394	20.769
rs1712383	ebi-a-GCST90027161	4	82142781	G/T	0.717	0.283	0.009	0.011	0.443	21.238
rs7854746	ebi-a-GCST90027161	9	114868003	C/T	0.555	0.445	0.008	0.010	0.441	20.644
rs2053682	ebi-a-GCST90027161	5	170599327	C/A	0.330	0.330	0.007	0.011	0.506	25.035
rs7036875	ebi-a-GCST90027161	9	15653868	G/T	0.507	0.493	0.007	0.010	0.481	20.229
rs114234126	ebi-a-GCST90027161	2	105053995	G/A	0.966	0.034	0.007	0.023	0.771	20.807
rs13252660	ebi-a-GCST90027161	8	142239381	C/T	0.615	0.386	0.007	0.010	0.535	33.427
rs2616177	ebi-a-GCST90027161	8	20589788	C/T	0.353	0.353	0.007	0.011	0.546	22.372
rs62243842	ebi-a-GCST90027161	3	66025046	C/A	0.897	0.103	0.006	0.017	0.729	23.711
rs12531328	ebi-a-GCST90027161	7	79058095	C/T	0.489	0.489	0.006	0.010	0.563	29.353
rs56282503	ebi-a-GCST90027161	15	40566759	T/C	0.723	0.277	0.005	0.012	0.644	23.272
rs8106947	ebi-a-GCST90027161	19	54042713	C/T	0.785	0.215	0.005	0.013	0.727	19.526
rs12968428	ebi-a-GCST90027161	18	50750225	A/G	0.645	0.355	0.004	0.011	0.698	22.729
rs6978121	ebi-a-GCST90027161	7	143715149	A/C	0.649	0.351	0.004	0.011	0.721	32.906
rs12592333	ebi-a-GCST90027161	15	87900076	C/A	0.514	0.486	0.002	0.014	0.868	20.078
rs8137258	ebi-a-GCST90027161	22	20135961	T/C	0.790	0.211	0.002	0.013	0.851	19.692
rs62107261	ebi-a-GCST90027161	2	422144	T/C	0.964	0.037	0.002	0.030	0.939	37.930
rs2812349	ebi-a-GCST90027161	9	34673913	T/C	0.393	0.393	0.000	0.011	0.968	21.306
rs28548678	ebi-a-GCST90027161	8	105714108	A/G	0.276	0.276	0.000	0.012	0.978	23.033
rs141793049	ebi-a-GCST90027161	9	99841870	T/C	0.987	0.013	-0.001	0.049	0.983	22.998
rs13158436	ebi-a-GCST90027161	5	105692401	G/A	0.225	0.225	-0.002	0.013	0.906	19.795
rs1874414	ebi-a-GCST90027161	1	187279324	C/T	0.408	0.408	-0.002	0.010	0.883	21.836
rs7516954	ebi-a-GCST90027161	1	223846564	C/T	0.751	0.249	-0.002	0.012	0.900	31.046

rs10160225	ebi-a-GCST90027161	11	32054055	G/A	0.582	0.418	-0.002	0.010	0.838	21.188
rs13093086	ebi-a-GCST90027161	3	71055162	G/A	0.513	0.487	-0.002	0.010	0.836	20.849
rs6453620	ebi-a-GCST90027161	6	73744033	C/T	0.709	0.292	-0.003	0.011	0.812	23.757
rs12438597	ebi-a-GCST90027161	15	98679639	G/A	0.178	0.178	-0.003	0.014	0.840	26.846
rs7462381	ebi-a-GCST90027161	8	746797	C/T	0.740	0.260	-0.004	0.012	0.764	20.714
rs148280375	ebi-a-GCST90027161	2	108898579	G/A	0.981	0.019	-0.005	0.036	0.901	20.513
rs2526383	ebi-a-GCST90027161	3	50184538	T/C	0.134	0.134	-0.005	0.015	0.756	24.047
rs113720072	ebi-a-GCST90027161	10	123511902	C/T	0.882	0.118	-0.005	0.016	0.758	22.919
rs4836022	ebi-a-GCST90027161	5	122894428	C/T	0.474	0.474	-0.005	0.010	0.607	26.713
rs13128971	ebi-a-GCST90027161	4	44581211	T/G	0.566	0.434	-0.006	0.010	0.574	22.267
rs58927672	ebi-a-GCST90027161	2	106426735	G/A	0.969	0.031	-0.007	0.031	0.826	23.392
rs13203645	ebi-a-GCST90027161	6	105382137	T/C	0.516	0.484	-0.008	0.010	0.448	21.480
rs67937375	ebi-a-GCST90027161	18	40729163	G/A	0.593	0.407	-0.008	0.010	0.432	33.929
rs2972184	ebi-a-GCST90027161	8	1670693	G/A	0.466	0.466	-0.008	0.010	0.415	30.289
rs149825928	ebi-a-GCST90027161	4	6237219	G/A	0.949	0.051	-0.009	0.022	0.697	23.111
rs2640540	ebi-a-GCST90027161	3	148421256	T/G	0.510	0.490	-0.010	0.010	0.308	20.489
rs9310527	ebi-a-GCST90027161	3	17661762	A/G	0.506	0.494	-0.011	0.010	0.301	24.932
rs62033406	ebi-a-GCST90027161	16	53824226	A/G	0.568	0.432	-0.011	0.010	0.282	22.996
rs4716848	ebi-a-GCST90027161	7	157761843	T/C	0.534	0.466	-0.013	0.010	0.200	21.362
rs62443389	ebi-a-GCST90027161	7	41782515	C/A	0.972	0.028	-0.014	0.029	0.640	19.728
rs9496614	ebi-a-GCST90027161	6	100613551	T/C	0.779	0.221	-0.014	0.013	0.292	21.716
rs2817399	ebi-a-GCST90027161	6	50804521	A/G	0.561	0.440	-0.017	0.010	0.104	20.663
rs148147752	ebi-a-GCST90027161	5	87119890	A/G	0.974	0.026	-0.021	0.027	0.435	23.403
rs117162190	ebi-a-GCST90027161	17	6634803	T/G	0.975	0.025	-0.028	0.036	0.438	19.650
rs713587	ebi-a-GCST90027161	2	25158281	C/T	0.541	0.459	-0.035	0.010	0.001	23.686

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rs17583672	ebi-a-GCST90027161	1	192628286	T/C	0.974	0.026	0.054	0.036	0.132	22.801
rs145455434	ebi-a-GCST90027161	13	75560271	T/C	0.984	0.016	0.050	0.044	0.259	21.625
rs76522119	ebi-a-GCST90027161	1	114813876	G/A	0.991	0.009	0.041	0.063	0.520	19.708
rs73183114	ebi-a-GCST90027161	3	105166451	G/A	0.839	0.162	0.036	0.014	0.009	22.306
rs117787553	ebi-a-GCST90027161	14	29710453	A/G	0.955	0.045	0.031	0.026	0.227	23.488
rs13083551	ebi-a-GCST90027161	3	2471573	G/A	0.826	0.174	0.030	0.018	0.095	21.275
rs925947	ebi-a-GCST90027161	11	27667367	G/T	0.815	0.185	0.029	0.013	0.028	23.453
rs12729989	ebi-a-GCST90027161	1	38327384	A/G	0.667	0.333	0.025	0.011	0.017	24.507
rs663640	ebi-a-GCST90027161	18	57846077	C/T	0.807	0.193	0.020	0.013	0.130	55.150
rs77551378	ebi-a-GCST90027161	7	23217688	A/C	0.813	0.187	0.017	0.013	0.193	19.933
rs6867780	ebi-a-GCST90027161	5	179618281	T/C	0.880	0.120	0.016	0.016	0.316	22.682
rs2846808	ebi-a-GCST90027161	18	902266	G/A	0.873	0.127	0.014	0.016	0.380	20.957
rs62526119	ebi-a-GCST90027161	8	92764816	C/T	0.566	0.434	0.014	0.010	0.175	20.355
rs9463175	ebi-a-GCST90027161	6	9510030	C/T	0.658	0.342	0.013	0.011	0.226	34.620
rs71467610	ebi-a-GCST90027161	15	47456031	A/C	0.817	0.183	0.010	0.013	0.461	27.639
rs1891186	ebi-a-GCST90027161	1	159629021	A/G	0.631	0.369	0.009	0.010	0.394	21.857
rs2053682	ebi-a-GCST90027161	5	170599327	C/A	0.330	0.330	0.007	0.011	0.506	28.012
rs13252660	ebi-a-GCST90027161	8	142239381	C/T	0.615	0.386	0.007	0.010	0.535	33.461
rs1848582	ebi-a-GCST90027161	9	15641978	A/G	0.501	0.499	0.006	0.010	0.547	25.874
rs10887587	ebi-a-GCST90027161	10	88125921	C/T	0.548	0.452	0.006	0.010	0.560	19.743
rs62243842	ebi-a-GCST90027161	3	66025046	C/A	0.897	0.103	0.006	0.017	0.729	20.685
rs12531328	ebi-a-GCST90027161	7	79058095	C/T	0.489	0.489	0.006	0.010	0.563	26.152
rs56282503	ebi-a-GCST90027161	15	40566759	T/C	0.723	0.277	0.005	0.012	0.644	22.825
rs8101491	ebi-a-GCST90027161	19	47642780	G/A	0.429	0.429	0.005	0.010	0.616	28.165

rs6978121	ebi-a-GCST90027161	7	143715149	A/C	0.649	0.351	0.004	0.011	0.721	35.157
rs9842222	ebi-a-GCST90027161	3	146368187	C/T	0.730	0.271	0.004	0.011	0.743	23.045
rs62107261	ebi-a-GCST90027161	2	422144	T/C	0.964	0.037	0.002	0.030	0.939	41.617
rs17133315	ebi-a-GCST90027161	7	3461875	G/A	0.862	0.138	0.001	0.014	0.919	20.215
rs12996547	ebi-a-GCST90027161	2	602036	C/T	0.631	0.369	0.001	0.011	0.916	28.772
rs28548678	ebi-a-GCST90027161	8	105714108	A/G	0.276	0.276	0.000	0.012	0.978	20.686
rs141793049	ebi-a-GCST90027161	9	99841870	T/C	0.987	0.013	-0.001	0.049	0.983	21.473
rs35945043	ebi-a-GCST90027161	3	119779683	A/G	0.970	0.030	-0.001	0.030	0.973	20.051
rs1874414	ebi-a-GCST90027161	1	187279324	C/T	0.408	0.408	-0.002	0.010	0.883	23.669
rs7516954	ebi-a-GCST90027161	1	223846564	C/T	0.751	0.249	-0.002	0.012	0.900	26.209
rs10160225	ebi-a-GCST90027161	11	32054055	G/A	0.582	0.418	-0.002	0.010	0.838	22.346
rs74025366	ebi-a-GCST90027161	16	69108076	C/T	0.891	0.109	-0.002	0.016	0.884	19.475
rs4676964	ebi-a-GCST90027161	3	71034748	C/T	0.509	0.491	-0.003	0.010	0.796	29.354
rs6453620	ebi-a-GCST90027161	6	73744033	C/T	0.709	0.292	-0.003	0.011	0.812	24.228
rs12438597	ebi-a-GCST90027161	15	98679639	G/A	0.178	0.178	-0.003	0.014	0.840	25.734
rs6943610	ebi-a-GCST90027161	7	69569109	A/G	0.740	0.260	-0.003	0.012	0.774	36.069
rs2098995	ebi-a-GCST90027161	4	83156434	T/G	0.909	0.091	-0.004	0.017	0.836	23.086
rs7462381	ebi-a-GCST90027161	8	746797	C/T	0.740	0.260	-0.004	0.012	0.764	22.029
rs113720072	ebi-a-GCST90027161	10	123511902	C/T	0.882	0.118	-0.005	0.016	0.758	21.686
rs28450996	ebi-a-GCST90027161	5	25037758	G/A	0.547	0.453	-0.005	0.010	0.609	20.026
rs4836022	ebi-a-GCST90027161	5	122894428	C/T	0.474	0.474	-0.005	0.010	0.607	24.694
rs13128971	ebi-a-GCST90027161	4	44581211	T/G	0.566	0.434	-0.006	0.010	0.574	21.919
rs58927672	ebi-a-GCST90027161	2	106426735	G/A	0.969	0.031	-0.007	0.031	0.826	21.777
rs1707481	ebi-a-GCST90027161	12	54838062	T/C	0.392	0.392	-0.007	0.010	0.493	20.245
rs13203645	ebi-a-GCST90027161	6	105382137	T/C	0.516	0.484	-0.008	0.010	0.448	20.855
rs67937375	ebi-a-GCST90027161	18	40729163	G/A	0.593	0.407	-0.008	0.010	0.432	38.164
rs1730958	ebi-a-GCST90027161	16	8771186	C/T	0.783	0.217	-0.008	0.013	0.509	20.875
rs2972184	ebi-a-GCST90027161	8	1670693	G/A	0.466	0.466	-0.008	0.010	0.415	34.438
rs9310527	ebi-a-GCST90027161	3	17661762	A/G	0.506	0.494	-0.011	0.010	0.301	25.716
rs4716848	ebi-a-GCST90027161	7	157761843	T/C	0.534	0.466	-0.013	0.010	0.200	20.698
rs17218599	ebi-a-GCST90027161	2	47708513	A/G	0.934	0.066	-0.017	0.020	0.404	29.674
rs148147752	ebi-a-GCST90027161	5	87119890	A/G	0.974	0.026	-0.021	0.027	0.435	21.329
rs4595064	ebi-a-GCST90027161	7	114580035	T/C	0.083	0.083	-0.024	0.019	0.193	20.128
rs117162190	ebi-a-GCST90027161	17	6634803	T/G	0.975	0.025	-0.028	0.036	0.438	23.066
rs200234727	ebi-a-GCST90027161	7	117608104	G/A	0.924	0.076	-0.032	0.023	0.159	19.280
rs713587	ebi-a-GCST90027161	2	25158281	C/T	0.541	0.459	-0.035	0.010	0.001	26.238

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rs185693189	ebi-a-GCST90027161	13	22422038	C/T	0.984	0.016	0.059	0.041	0.151	24.584
rs79716344	ebi-a-GCST90027161	4	80557563	T/C	0.975	0.025	0.030	0.039	0.441	19.296
rs72734713	ebi-a-GCST90027161	9	80341774	A/G	0.957	0.043	0.027	0.027	0.314	30.738
rs3846885	ebi-a-GCST90027161	6	37678985	G/A	0.858	0.142	0.022	0.014	0.130	21.974
rs2280618	ebi-a-GCST90027161	10	126784273	G/A	0.871	0.129	0.020	0.015	0.179	21.432
rs2647268	ebi-a-GCST90027161	4	106211443	A/G	0.639	0.361	0.020	0.011	0.065	25.734
rs2975337	ebi-a-GCST90027161	8	3757797	G/A	0.336	0.336	0.018	0.017	0.288	24.152
rs8052605	ebi-a-GCST90027161	16	1379374	G/T	0.117	0.117	0.018	0.016	0.259	21.760
rs75972795	ebi-a-GCST90027161	8	136823380	G/T	0.909	0.091	0.018	0.018	0.333	23.308
rs12031856	ebi-a-GCST90027161	1	91161769	G/A	0.582	0.418	0.017	0.010	0.092	24.743
rs8044158	ebi-a-GCST90027161	16	69116681	A/G	0.771	0.229	0.016	0.012	0.192	19.264
rs9500028	ebi-a-GCST90027161	6	105543946	T/C	0.903	0.097	0.015	0.017	0.390	24.718
rs17177428	ebi-a-GCST90027161	16	82687797	A/G	0.573	0.427	0.015	0.010	0.159	21.845

rs115919430	ebi-a-GCST90027161	1	219074603	C/T	0.968	0.032	0.014	0.030	0.641	23.497
rs11668477	ebi-a-GCST90027161	19	11195030	A/G	0.810	0.190	0.013	0.013	0.320	25.948
rs72482130	ebi-a-GCST90027161	2	237054356	T/C	0.820	0.181	0.013	0.013	0.296	25.457
rs1511498	ebi-a-GCST90027161	4	132394392	G/A	0.710	0.290	0.013	0.011	0.250	20.930
rs17799404	ebi-a-GCST90027161	4	67741837	T/G	0.494	0.494	0.013	0.010	0.201	20.399
rs9463175	ebi-a-GCST90027161	6	9510030	C/T	0.658	0.342	0.013	0.011	0.226	28.539
rs11210153	ebi-a-GCST90027161	1	73625762	G/A	0.486	0.486	0.011	0.010	0.281	32.624
rs1555162	ebi-a-GCST90027161	20	41236860	C/T	0.830	0.170	0.009	0.014	0.518	24.567
rs484084	ebi-a-GCST90027161	1	234857676	T/C	0.458	0.458	0.009	0.010	0.398	27.404
rs55730499	ebi-a-GCST90027161	6	161005610	C/T	0.935	0.065	0.009	0.023	0.704	27.017
rs58715071	ebi-a-GCST90027161	19	52520761	C/T	0.827	0.173	0.008	0.013	0.556	27.988
rs2053682	ebi-a-GCST90027161	5	170599327	C/A	0.330	0.330	0.007	0.011	0.506	28.020
rs76263016	ebi-a-GCST90027161	11	37638596	A/G	0.954	0.046	0.007	0.026	0.792	20.686
rs10927050	ebi-a-GCST90027161	1	243805907	A/G	0.800	0.200	0.007	0.013	0.598	23.397
rs2954021	ebi-a-GCST90027161	8	126482077	A/G	0.471	0.471	0.007	0.010	0.520	24.008
rs10734294	ebi-a-GCST90027161	11	20956905	C/T	0.243	0.243	0.006	0.012	0.595	21.371
rs12505175	ebi-a-GCST90027161	4	130249270	A/G	0.802	0.198	0.006	0.013	0.640	28.857
rs2691583	ebi-a-GCST90027161	7	17831806	C/T	0.524	0.476	0.006	0.010	0.580	22.006
rs12459368	ebi-a-GCST90027161	19	18459377	A/G	0.749	0.251	0.006	0.012	0.642	22.754
rs1790172	ebi-a-GCST90027161	11	131935863	T/G	0.617	0.383	0.004	0.011	0.710	33.248
rs73105945	ebi-a-GCST90027161	3	70155046	T/C	0.956	0.044	0.003	0.026	0.905	23.127
rs11580824	ebi-a-GCST90027161	1	155043356	C/T	0.885	0.115	0.003	0.016	0.858	22.575
rs55884336	ebi-a-GCST90027161	6	89764587	G/A	0.950	0.050	0.003	0.024	0.913	21.351
rs62107261	ebi-a-GCST90027161	2	422144	T/C	0.964	0.037	0.002	0.030	0.939	19.981
rs772030	ebi-a-GCST90027161	10	104023871	C/T	0.615	0.385	0.000	0.010	0.988	19.448
rs2057852	ebi-a-GCST90027161	7	143704543	T/C	0.501	0.499	0.000	0.010	0.992	20.878
rs9983103	ebi-a-GCST90027161	21	40360909	A/G	0.046	0.046	-0.001	0.022	0.974	20.559
rs7782114	ebi-a-GCST90027161	7	70997278	T/C	0.918	0.082	-0.001	0.019	0.966	19.429
rs1930376	ebi-a-GCST90027161	9	81450925	G/A	0.783	0.217	-0.002	0.012	0.856	21.497
rs4676964	ebi-a-GCST90027161	3	71034748	C/T	0.509	0.491	-0.003	0.010	0.796	29.071
rs6575665	ebi-a-GCST90027161	14	98846004	A/C	0.379	0.379	-0.003	0.011	0.753	25.940
rs1159780	ebi-a-GCST90027161	4	16926308	G/T	0.697	0.303	-0.005	0.011	0.681	19.750
rs6474930	ebi-a-GCST90027161	9	15563200	A/G	0.495	0.495	-0.005	0.010	0.637	49.634
rs7618391	ebi-a-GCST90027161	3	161148190	A/G	0.598	0.402	-0.005	0.010	0.618	30.946
rs67436983	ebi-a-GCST90027161	1	6678726	C/T	0.675	0.325	-0.005	0.011	0.623	21.819
rs332825	ebi-a-GCST90027161	1	61672262	G/A	0.461	0.461	-0.006	0.010	0.593	27.796
rs314689	ebi-a-GCST90027161	13	80010384	T/G	0.525	0.475	-0.006	0.010	0.536	21.912
rs2860934	ebi-a-GCST90027161	2	77200916	T/C	0.542	0.458	-0.006	0.010	0.526	23.100
rs6780346	ebi-a-GCST90027161	3	85593584	C/T	0.338	0.338	-0.007	0.011	0.519	24.641
rs2470890	ebi-a-GCST90027161	15	75047426	C/T	0.582	0.418	-0.007	0.010	0.472	24.265
rs7528419	ebi-a-GCST90027161	1	109817192	A/G	0.779	0.221	-0.008	0.012	0.531	28.074
rs2445249	ebi-a-GCST90027161	11	5048577	T/G	0.556	0.444	-0.008	0.010	0.416	60.354
rs4713203	ebi-a-GCST90027161	6	29096995	G/A	0.759	0.241	-0.009	0.012	0.465	20.264
rs7702753	ebi-a-GCST90027161	5	91483257	C/A	0.506	0.494	-0.009	0.010	0.387	26.923
rs6558549	ebi-a-GCST90027161	8	1765990	A/G	0.815	0.185	-0.009	0.013	0.478	20.722
rs9827255	ebi-a-GCST90027161	3	117493528	C/T	0.719	0.282	-0.009	0.012	0.434	40.943
rs7576084	ebi-a-GCST90027161	2	206377815	T/C	0.491	0.491	-0.009	0.010	0.370	24.252
rs11111758	ebi-a-GCST90027161	12	104161084	A/G	0.711	0.289	-0.009	0.011	0.410	22.704
rs6708950	ebi-a-GCST90027161	2	2330118	T/C	0.723	0.277	-0.011	0.011	0.336	23.306
rs78561084	ebi-a-GCST90027161	4	32873137	T/C	0.976	0.025	-0.011	0.035	0.745	20.495

rs284862	ebi-a-GCST90027161	10	104572081	C/T	0.426	0.426	-0.012	0.010	0.242	35.066
rs8097647	ebi-a-GCST90027161	18	27894787	G/A	0.248	0.248	-0.012	0.012	0.301	21.472
rs10899236	ebi-a-GCST90027161	11	70452134	G/A	0.445	0.445	-0.013	0.010	0.225	21.545
rs17670430	ebi-a-GCST90027161	8	92634091	T/C	0.487	0.487	-0.013	0.010	0.196	26.733
rs10066308	ebi-a-GCST90027161	5	131790616	G/A	0.661	0.339	-0.013	0.011	0.203	21.405
rs511859	ebi-a-GCST90027161	18	193365	C/T	0.939	0.061	-0.014	0.023	0.544	20.376
rs12370189	ebi-a-GCST90027161	12	1772615	G/A	0.868	0.133	-0.015	0.016	0.325	20.005
rs2293605	ebi-a-GCST90027161	3	184044433	C/T	0.858	0.142	-0.017	0.014	0.217	20.409
rs912431	ebi-a-GCST90027161	13	47134725	C/T	0.405	0.405	-0.017	0.011	0.101	20.922
rs151321	ebi-a-GCST90027161	16	28555590	C/T	0.452	0.452	-0.018	0.010	0.077	24.033
rs9398803	ebi-a-GCST90027161	6	126683594	A/G	0.544	0.456	-0.019	0.010	0.068	23.866
rs1396462	ebi-a-GCST90027161	5	32988178	C/A	0.751	0.249	-0.019	0.012	0.097	23.208
rs2635727	ebi-a-GCST90027161	6	50820940	T/C	0.235	0.235	-0.020	0.012	0.101	22.098
rs7187482	ebi-a-GCST90027161	16	5645810	C/T	0.608	0.392	-0.020	0.010	0.048	21.943
rs624136	ebi-a-GCST90027161	11	30781773	A/G	0.536	0.464	-0.021	0.010	0.045	30.223
rs349732	ebi-a-GCST90027161	5	160591276	G/T	0.833	0.168	-0.022	0.014	0.111	21.955
rs77721657	ebi-a-GCST90027161	2	141774881	T/C	0.980	0.020	-0.022	0.034	0.523	20.812
rs1448349	ebi-a-GCST90027161	7	114435347	T/C	0.104	0.104	-0.023	0.017	0.159	20.236
rs146849384	ebi-a-GCST90027161	3	32511920	G/A	0.983	0.017	-0.024	0.037	0.525	19.628
rs10507628	ebi-a-GCST90027161	13	59701070	A/G	0.815	0.186	-0.027	0.014	0.046	24.083
rs76182812	ebi-a-GCST90027161	20	23173057	C/T	0.981	0.019	-0.029	0.039	0.452	30.691
rs6545766	ebi-a-GCST90027161	2	25077856	C/T	0.595	0.405	-0.041	0.010	0.000	34.370
rs41305058	ebi-a-GCST90027161	1	153615958	T/C	0.986	0.014	-0.047	0.058	0.413	20.224
rs181704587	ebi-a-GCST90027161	14	44625518	C/T	0.985	0.015	-0.057	0.040	0.161	23.454
rs141444496	ebi-a-GCST90027161	4	90206648	A/C	0.984	0.016	-0.070	0.049	0.153	28.346

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rs147186982	ebi-a-GCST90027161	21	18032792	G/A	0.987	0.013	0.086	0.055	0.122	20.497
rs7412	ebi-a-GCST90027161	19	45412079	C/T	0.925	0.075	0.058	0.019	0.002	180.191
rs1510226	ebi-a-GCST90027161	6	160816409	T/C	0.982	0.018	0.044	0.038	0.251	22.033
rs118170342	ebi-a-GCST90027161	19	45401868	T/C	0.959	0.041	0.031	0.026	0.236	36.941
rs1634769	ebi-a-GCST90027161	6	31304395	G/A	0.330	0.330	0.029	0.011	0.009	23.721
rs12469297	ebi-a-GCST90027161	2	5873410	G/A	0.889	0.111	0.025	0.017	0.131	20.529
rs2641696	ebi-a-GCST90027161	16	84885506	C/T	0.385	0.385	0.023	0.011	0.032	22.941
rs7583117	ebi-a-GCST90027161	2	29298372	C/T	0.658	0.342	0.020	0.011	0.071	28.421
rs2738447	ebi-a-GCST90027161	19	11227480	A/C	0.408	0.408	0.019	0.010	0.059	23.323
rs8106503	ebi-a-GCST90027161	19	11196886	T/C	0.894	0.107	0.016	0.017	0.349	69.685
rs146131966	ebi-a-GCST90027161	20	17530360	A/G	0.974	0.026	0.014	0.033	0.664	26.205
rs1291119	ebi-a-GCST90027161	20	35503409	T/C	0.473	0.473	0.013	0.010	0.190	19.549
rs11591147	ebi-a-GCST90027161	1	55505647	G/T	0.977	0.023	0.012	0.033	0.712	35.014
rs8101801	ebi-a-GCST90027161	19	11335477	C/A	0.950	0.050	0.012	0.021	0.561	22.527
rs7588703	ebi-a-GCST90027161	2	188988603	T/C	0.644	0.356	0.008	0.014	0.591	20.735
rs35837000	ebi-a-GCST90027161	1	62833402	T/C	0.942	0.058	0.007	0.026	0.780	21.230
rs6532349	ebi-a-GCST90027161	4	92889426	T/C	0.251	0.251	0.006	0.012	0.615	20.389
rs112875651	ebi-a-GCST90027161	8	126506694	G/A	0.603	0.397	0.004	0.010	0.670	36.247
rs16833215	ebi-a-GCST90027161	2	191913799	A/G	0.709	0.291	0.004	0.011	0.703	20.236
rs12068385	ebi-a-GCST90027161	1	211905088	T/C	0.833	0.167	0.002	0.014	0.874	21.442
rs10913556	ebi-a-GCST90027161	1	178436678	C/T	0.858	0.142	0.001	0.015	0.933	23.380
rs10937168	ebi-a-GCST90027161	3	184129180	T/C	0.701	0.299	0.001	0.011	0.931	21.913
rs515135	ebi-a-GCST90027161	2	21286057	T/C	0.184	0.184	0.000	0.013	0.976	45.206
rs4809336	ebi-a-GCST90027161	20	62402941	A/G	0.343	0.343	-0.003	0.011	0.784	20.447

rs743863	ebi-a-GCST90027161	22	44746350	G/A	0.566	0.434	-0.003	0.010	0.765	20.379
rs7528419	ebi-a-GCST90027161	1	109817192	A/G	0.779	0.221	-0.008	0.012	0.531	69.803
rs4299376	ebi-a-GCST90027161	2	44072576	G/T	0.285	0.285	-0.010	0.012	0.404	40.918
rs13273544	ebi-a-GCST90027161	8	5157912	G/A	0.506	0.494	-0.010	0.010	0.311	19.754
rs657152	ebi-a-GCST90027161	9	136139265	C/A	0.421	0.421	-0.011	0.010	0.301	22.750
rs59088638	ebi-a-GCST90027161	12	51768272	C/T	0.889	0.111	-0.014	0.016	0.372	25.217
rs11118778	ebi-a-GCST90027161	1	221814711	T/G	0.387	0.387	-0.017	0.011	0.112	20.122
rs482425	ebi-a-GCST90027161	15	29585752	G/A	0.574	0.426	-0.017	0.011	0.113	29.830
rs72999033	ebi-a-GCST90027161	19	19366632	C/T	0.935	0.065	-0.018	0.021	0.380	42.515
rs112799966	ebi-a-GCST90027161	21	47367101	C/T	0.962	0.039	-0.020	0.023	0.383	25.686
rs174603	ebi-a-GCST90027161	11	61626206	G/A	0.682	0.318	-0.021	0.011	0.052	20.719
rs147711004	ebi-a-GCST90027161	19	45337918	G/A	0.965	0.036	-0.025	0.030	0.416	29.801
rs9636553	ebi-a-GCST90027161	21	25245493	T/G	0.971	0.029	-0.067	0.033	0.044	22.446

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rs72788407	ebi-a-GCST90027161	16	48570814	A/G	0.984	0.016	0.054	0.046	0.237	24.794
rs12763968	ebi-a-GCST90027161	10	53907722	G/A	0.973	0.027	0.041	0.033	0.216	22.008
rs2517503	ebi-a-GCST90027161	6	31032407	A/C	0.073	0.073	0.040	0.021	0.059	21.393
rs72700109	ebi-a-GCST90027161	15	27412392	C/T	0.975	0.025	0.033	0.034	0.329	21.494
rs59852655	ebi-a-GCST90027161	7	66766566	G/A	0.933	0.067	0.032	0.021	0.120	19.380
rs72702556	ebi-a-GCST90027161	1	150680115	C/T	0.602	0.398	0.026	0.010	0.011	23.183
rs663129	ebi-a-GCST90027161	18	57838401	G/A	0.790	0.210	0.020	0.013	0.120	30.726
rs73015034	ebi-a-GCST90027161	19	11209722	C/A	0.886	0.114	0.019	0.017	0.257	27.273
rs2136367	ebi-a-GCST90027161	18	7544341	G/A	0.932	0.068	0.015	0.021	0.480	21.911
rs112945871	ebi-a-GCST90027161	21	47425001	G/A	0.970	0.030	0.011	0.030	0.713	19.929
rs13214856	ebi-a-GCST90027161	6	167365862	G/A	0.899	0.101	0.009	0.017	0.606	19.607
rs10167567	ebi-a-GCST90027161	2	25483958	T/G	0.552	0.448	0.008	0.010	0.437	22.871
rs136538	ebi-a-GCST90027161	22	27246836	A/G	0.593	0.407	0.007	0.010	0.483	20.650
rs114234126	ebi-a-GCST90027161	2	105053995	G/A	0.966	0.034	0.007	0.023	0.771	21.510
rs77945340	ebi-a-GCST90027161	20	4637712	A/G	0.956	0.044	0.006	0.023	0.782	23.916
rs10245538	ebi-a-GCST90027161	7	143705534	T/C	0.649	0.351	0.004	0.011	0.688	20.725
rs10016967	ebi-a-GCST90027161	4	57720277	A/G	0.648	0.352	0.003	0.011	0.799	20.424
rs3771300	ebi-a-GCST90027161	2	191835596	T/G	0.468	0.468	0.002	0.010	0.863	22.534
rs7516954	ebi-a-GCST90027161	1	223846564	C/T	0.751	0.249	-0.002	0.012	0.900	23.380
rs1870673	ebi-a-GCST90027161	12	57199354	C/T	0.802	0.198	-0.006	0.014	0.646	21.251
rs6765344	ebi-a-GCST90027161	3	182489314	T/C	0.901	0.099	-0.009	0.017	0.610	21.889
rs56412637	ebi-a-GCST90027161	8	64395870	T/G	0.971	0.030	-0.009	0.029	0.756	20.903
rs113614663	ebi-a-GCST90027161	8	7010888	A/C	0.706	0.294	-0.009	0.012	0.455	19.672
rs10811758	ebi-a-GCST90027161	9	2275401	T/C	0.738	0.262	-0.010	0.012	0.393	20.812
rs2640540	ebi-a-GCST90027161	3	148421256	T/G	0.510	0.490	-0.010	0.010	0.308	23.993
rs78677597	ebi-a-GCST90027161	6	100610044	A/C	0.778	0.222	-0.013	0.013	0.299	22.610
rs72999033	ebi-a-GCST90027161	19	19366632	C/T	0.935	0.065	-0.018	0.021	0.380	19.904
rs116128731	ebi-a-GCST90027161	2	215390543	C/A	0.973	0.027	-0.020	0.033	0.544	20.779
rs116763907	ebi-a-GCST90027161	5	80581716	T/G	0.988	0.012	-0.021	0.062	0.731	21.368
rs72821031	ebi-a-GCST90027161	17	32266104	C/T	0.962	0.038	-0.026	0.028	0.364	22.795
rs12813008	ebi-a-GCST90027161	12	19447611	T/C	0.930	0.070	-0.029	0.022	0.185	22.902

d type: Low fat s

rs149037676	ebi-a-GCST90027161	12	49259800	C/T	0.988	0.012	0.069	0.048	0.151	23.805
rs782221	ebi-a-GCST90027161	1	72924057	C/T	0.822	0.178	0.038	0.014	0.005	19.929
rs737414	ebi-a-GCST90027161	15	93046042	C/T	0.970	0.030	0.013	0.029	0.649	22.242
rs77839780	ebi-a-GCST90027161	14	85377563	T/C	0.968	0.032	0.009	0.027	0.749	20.660

rs77317643	ebi-a-GCST90027161	4	61374060	G/A	0.913	0.087	0.004	0.017	0.810	20.230
rs13107325	ebi-a-GCST90027161	4	103188709	C/T	0.951	0.049	0.002	0.029	0.934	26.653
rs2761066	ebi-a-GCST90027161	1	30624557	G/T	0.732	0.268	0.002	0.011	0.847	21.299
rs112821677	ebi-a-GCST90027161	5	174369825	C/T	0.922	0.078	0.002	0.020	0.929	24.437
rs118055878	ebi-a-GCST90027161	19	31042429	A/C	0.981	0.019	0.002	0.037	0.965	22.503
rs10224745	ebi-a-GCST90027161	7	110032926	T/C	0.112	0.112	0.001	0.017	0.934	20.009
rs9294601	ebi-a-GCST90027161	6	95117778	T/C	0.556	0.444	0.001	0.010	0.902	19.862
rs942723	ebi-a-GCST90027161	6	164715165	C/T	0.851	0.149	0.000	0.014	0.989	20.409
rs145822055	ebi-a-GCST90027161	4	6956848	G/A	0.977	0.023	-0.001	0.032	0.978	20.054
rs153103	ebi-a-GCST90027161	16	28528623	T/C	0.649	0.351	-0.002	0.011	0.883	29.070
rs13073129	ebi-a-GCST90027161	3	146826934	T/C	0.486	0.486	-0.004	0.010	0.718	19.921
rs112253448	ebi-a-GCST90027161	19	53902849	A/G	0.976	0.024	-0.004	0.029	0.885	19.727
rs2472492	ebi-a-GCST90027161	9	107697012	T/C	0.416	0.416	-0.004	0.011	0.688	21.366
rs16893850	ebi-a-GCST90027161	6	82783397	C/T	0.953	0.047	-0.008	0.022	0.725	19.704
rs11642015	ebi-a-GCST90027161	16	53802494	C/T	0.584	0.416	-0.013	0.010	0.213	33.502
rs62073465	ebi-a-GCST90027161	17	35985296	C/T	0.966	0.034	-0.014	0.026	0.584	19.797
rs143119034	ebi-a-GCST90027161	16	67115910	T/C	0.896	0.104	-0.017	0.017	0.318	20.998
rs117663737	ebi-a-GCST90027161	6	77303439	G/A	0.987	0.013	-0.026	0.052	0.620	20.925
rs76760258	ebi-a-GCST90027161	3	135680244	T/C	0.942	0.059	-0.032	0.024	0.182	20.629
rs8088555	ebi-a-GCST90027161	18	67373060	G/A	0.217	0.217	-0.036	0.013	0.004	23.221
rs564318216	ebi-a-GCST90027161	1	83661452	C/A	0.973	0.027	-0.071	0.044	0.110	22.090

w fat spread vs 1

rs141622900	ebi-a-GCST90027161	19	45426792	G/A	0.952	0.048	0.078	0.024	0.001	21.974
rs149037676	ebi-a-GCST90027161	12	49259800	C/T	0.988	0.012	0.069	0.048	0.151	26.303
rs184119049	ebi-a-GCST90027161	14	33326013	C/T	0.952	0.048	0.047	0.027	0.080	20.840
rs7648012	ebi-a-GCST90027161	3	51354571	G/A	0.164	0.164	0.026	0.014	0.057	20.680
rs56027863	ebi-a-GCST90027161	3	77673550	A/G	0.517	0.483	0.017	0.010	0.096	21.514
rs79461429	ebi-a-GCST90027161	4	93761350	A/G	0.960	0.040	0.005	0.025	0.858	22.229
rs77317643	ebi-a-GCST90027161	4	61374060	G/A	0.913	0.087	0.004	0.017	0.810	19.594
rs13107325	ebi-a-GCST90027161	4	103188709	C/T	0.951	0.049	0.002	0.029	0.934	19.662
rs80003399	ebi-a-GCST90027161	4	6964701	G/A	0.977	0.023	-0.001	0.032	0.980	19.759
rs41489451	ebi-a-GCST90027161	6	32569948	G/T	0.961	0.039	-0.001	0.027	0.972	22.425
rs12466227	ebi-a-GCST90027161	2	60148940	A/G	0.394	0.394	-0.003	0.011	0.770	29.579
rs112253448	ebi-a-GCST90027161	19	53902849	A/G	0.976	0.024	-0.004	0.029	0.885	21.344
rs76858784	ebi-a-GCST90027161	18	53184787	G/A	0.774	0.226	-0.005	0.012	0.687	21.337
rs1688639	ebi-a-GCST90027161	6	119068696	A/G	0.685	0.315	-0.005	0.011	0.630	21.817
rs78296252	ebi-a-GCST90027161	16	67619747	G/T	0.826	0.175	-0.010	0.014	0.467	21.028
rs1577874	ebi-a-GCST90027161	6	82819380	G/A	0.970	0.030	-0.010	0.028	0.716	21.275
rs17338336	ebi-a-GCST90027161	7	32107242	A/G	0.529	0.471	-0.014	0.010	0.165	20.117

ve oil spread vs 1

rs62479872	ebi-a-GCST90027161	7	125088047	C/T	0.988	0.012	0.056	0.051	0.269	19.684
rs111741866	ebi-a-GCST90027161	7	151602314	G/A	0.986	0.014	0.055	0.047	0.248	22.452
rs60154898	ebi-a-GCST90027161	9	113054446	G/A	0.945	0.056	0.027	0.025	0.271	20.877
rs186695022	ebi-a-GCST90027161	13	71029526	A/G	0.968	0.033	0.022	0.026	0.406	21.034
rs77531324	ebi-a-GCST90027161	8	17036941	A/C	0.969	0.032	0.022	0.027	0.423	20.190
rs663129	ebi-a-GCST90027161	18	57838401	G/A	0.790	0.210	0.020	0.013	0.120	32.401
rs7667127	ebi-a-GCST90027161	4	94123529	C/T	0.410	0.410	0.017	0.010	0.105	19.733
rs10887510	ebi-a-GCST90027161	10	87388643	C/T	0.776	0.224	0.014	0.012	0.264	28.483
rs3748785	ebi-a-GCST90027161	1	97187083	A/C	0.313	0.313	0.013	0.011	0.224	20.332
rs1664743	ebi-a-GCST90027161	5	3543341	T/G	0.664	0.336	0.010	0.011	0.351	20.333

rs12456659	ebi-a-GCST90027161	18	6911545	C/T	0.705	0.295	0.007	0.011	0.553	24.494
rs8101491	ebi-a-GCST90027161	19	47642780	G/A	0.429	0.429	0.005	0.010	0.616	24.756
rs4766497	ebi-a-GCST90027161	12	110950376	T/C	0.395	0.395	0.001	0.010	0.930	24.635
rs10992672	ebi-a-GCST90027161	9	95953714	C/T	0.982	0.018	0.000	0.045	0.997	19.596
rs141455035	ebi-a-GCST90027161	3	10357393	C/T	0.988	0.012	-0.002	0.061	0.981	19.902
rs9294479	ebi-a-GCST90027161	6	91843860	G/A	0.266	0.266	-0.002	0.012	0.896	21.066
rs4730633	ebi-a-GCST90027161	7	113992074	G/T	0.492	0.492	-0.004	0.010	0.680	23.807
rs6957081	ebi-a-GCST90027161	7	43211693	G/A	0.732	0.268	-0.005	0.012	0.701	19.986
rs6499753	ebi-a-GCST90027161	16	55309956	G/T	0.370	0.370	-0.007	0.010	0.501	21.464
rs1518171	ebi-a-GCST90027161	18	40709330	A/G	0.593	0.407	-0.008	0.010	0.450	32.636
rs6709191	ebi-a-GCST90027161	2	148484716	C/T	0.622	0.379	-0.009	0.014	0.545	19.717
rs372875814	ebi-a-GCST90027161	2	161305619	G/A	0.896	0.104	-0.010	0.016	0.547	19.941
rs12804137	ebi-a-GCST90027161	11	1114947	A/G	0.224	0.224	-0.012	0.012	0.346	21.095
rs118036720	ebi-a-GCST90027161	9	5408587	T/C	0.988	0.012	-0.020	0.053	0.709	20.444
rs75989961	ebi-a-GCST90027161	14	98522675	T/G	0.922	0.078	-0.020	0.019	0.301	20.877
rs2133965	ebi-a-GCST90027161	15	32384554	A/G	0.069	0.069	-0.025	0.020	0.199	20.274
rs144701120	ebi-a-GCST90027161	7	69594050	C/T	0.956	0.045	-0.047	0.025	0.062	19.918
rs34018667	ebi-a-GCST90027161	4	162236018	G/A	0.913	0.087	-0.058	0.018	0.001	21.362
rs13353096	ebi-a-GCST90027161	13	108821541	G/A	0.985	0.015	-0.059	0.047	0.208	20.220
rs77978042	ebi-a-GCST90027161	7	92362219	G/A	0.993	0.007	-0.090	0.082	0.270	20.851

pe: Other oil-bas

rs144421185	ebi-a-GCST90027161	6	133878464	G/A	0.980	0.020	0.095	0.042	0.022	20.762
rs74378438	ebi-a-GCST90027161	2	190205576	G/A	0.961	0.039	0.065	0.028	0.021	26.531
rs60420669	ebi-a-GCST90027161	10	69788149	A/G	0.873	0.127	0.024	0.016	0.127	19.639
rs2726519	ebi-a-GCST90027161	4	106193334	T/C	0.485	0.485	0.013	0.010	0.207	25.046
rs12620606	ebi-a-GCST90027161	2	242154015	A/G	0.433	0.433	0.011	0.010	0.269	20.731
rs6884470	ebi-a-GCST90027161	5	127956581	G/A	0.870	0.130	0.011	0.015	0.462	23.475
rs2885697	ebi-a-GCST90027161	1	41544279	G/T	0.335	0.335	0.007	0.011	0.507	19.804
rs4817455	ebi-a-GCST90027161	21	33449227	C/T	0.892	0.109	0.005	0.017	0.784	20.437
rs11916226	ebi-a-GCST90027161	3	193614363	G/A	0.687	0.313	0.003	0.011	0.784	20.050
rs144455261	ebi-a-GCST90027161	5	114149249	T/C	0.978	0.022	0.000	0.040	0.996	19.798
rs10432203	ebi-a-GCST90027161	18	48180842	A/C	0.648	0.352	-0.002	0.011	0.887	20.117
rs4592963	ebi-a-GCST90027161	22	49465629	C/T	0.314	0.314	-0.003	0.011	0.827	21.885
rs6778602	ebi-a-GCST90027161	3	84147330	C/A	0.327	0.327	-0.003	0.011	0.792	25.052
rs4141422	ebi-a-GCST90027161	1	88751417	C/T	0.926	0.074	-0.005	0.019	0.794	21.225
rs61947293	ebi-a-GCST90027161	13	35192863	C/T	0.973	0.027	-0.008	0.035	0.824	21.323
rs12892826	ebi-a-GCST90027161	14	47470426	G/A	0.933	0.067	-0.009	0.021	0.682	21.734
rs4681332	ebi-a-GCST90027161	3	144194907	T/C	0.568	0.432	-0.010	0.010	0.324	24.846
rs2722566	ebi-a-GCST90027161	2	5875714	A/G	0.505	0.496	-0.013	0.010	0.202	19.744
rs11980421	ebi-a-GCST90027161	7	147916800	A/G	0.330	0.330	-0.013	0.011	0.248	22.030
rs56131013	ebi-a-GCST90027161	6	28320677	G/A	0.809	0.191	-0.017	0.015	0.260	28.832
rs12958036	ebi-a-GCST90027161	18	67363788	G/A	0.650	0.350	-0.021	0.011	0.049	25.323
rs4742321	ebi-a-GCST90027161	9	7255930	A/G	0.810	0.190	-0.022	0.013	0.092	22.987
rs74425759	ebi-a-GCST90027161	4	138126991	G/A	0.926	0.074	-0.031	0.019	0.104	19.795
rs62530050	ebi-a-GCST90027161	8	125418561	T/C	0.926	0.074	-0.032	0.020	0.119	20.790

oil-based spread

rs73041353	ebi-a-GCST90027161	7	2250333	C/T	0.969	0.031	0.075	0.031	0.016	26.938
rs12405730	ebi-a-GCST90027161	1	226042596	T/G	0.932	0.068	0.055	0.020	0.006	23.452
rs77783226	ebi-a-GCST90027161	8	63239333	T/C	0.984	0.016	0.055	0.040	0.176	21.446
rs62104180	ebi-a-GCST90027161	2	466003	G/A	0.962	0.038	0.029	0.030	0.336	21.343

rs113538518	ebi-a-GCST90027161	10	69578459	G/A	0.874	0.126	0.023	0.016	0.145	20.481
rs62400911	ebi-a-GCST90027161	6	23546307	C/T	0.977	0.023	0.023	0.033	0.480	20.575
rs17700144	ebi-a-GCST90027161	18	57811982	G/A	0.810	0.190	0.018	0.014	0.170	30.482
rs56177125	ebi-a-GCST90027161	1	26519293	G/A	0.961	0.039	0.018	0.026	0.483	21.545
rs4381984	ebi-a-GCST90027161	3	32265784	C/T	0.156	0.156	0.018	0.014	0.202	20.171
rs34351120	ebi-a-GCST90027161	5	179619049	T/C	0.845	0.155	0.017	0.014	0.245	22.436
rs36095630	ebi-a-GCST90027161	9	102219721	T/C	0.759	0.242	0.015	0.012	0.194	29.343
rs62575314	ebi-a-GCST90027161	9	108839612	C/T	0.943	0.057	0.014	0.023	0.524	23.710
rs62320421	ebi-a-GCST90027161	4	94516094	A/G	0.751	0.249	0.014	0.012	0.247	20.403
rs55886634	ebi-a-GCST90027161	1	170600737	C/T	0.808	0.192	0.013	0.013	0.309	24.142
rs6490299	ebi-a-GCST90027161	12	121079798	A/G	0.751	0.249	0.012	0.012	0.305	22.049
rs11707798	ebi-a-GCST90027161	3	101976792	T/G	0.636	0.364	0.010	0.011	0.329	19.699
rs1491478	ebi-a-GCST90027161	8	127068524	A/G	0.070	0.070	0.010	0.022	0.641	19.969
rs73837553	ebi-a-GCST90027161	4	107956446	A/G	0.937	0.063	0.009	0.020	0.645	19.731
rs79992273	ebi-a-GCST90027161	8	92285177	T/G	0.976	0.024	0.008	0.034	0.804	20.952
rs6781897	ebi-a-GCST90027161	3	71025076	A/G	0.606	0.394	0.008	0.010	0.453	19.627
rs35233032	ebi-a-GCST90027161	2	142784676	G/A	0.682	0.318	0.008	0.011	0.492	21.873
rs10999742	ebi-a-GCST90027161	10	73000686	T/C	0.907	0.093	0.006	0.018	0.719	25.711
rs8101491	ebi-a-GCST90027161	19	47642780	G/A	0.429	0.429	0.005	0.010	0.616	21.766
rs2626634	ebi-a-GCST90027161	16	80336420	T/C	0.349	0.349	0.005	0.011	0.654	19.713
rs3125296	ebi-a-GCST90027161	1	212778286	A/G	0.270	0.270	0.005	0.012	0.700	22.143
rs12968428	ebi-a-GCST90027161	18	50750225	A/G	0.645	0.355	0.004	0.011	0.698	21.839
rs2934477	ebi-a-GCST90027161	16	84923247	T/G	0.449	0.449	0.003	0.010	0.781	21.174
rs11077443	ebi-a-GCST90027161	17	77542174	C/T	0.845	0.155	0.001	0.014	0.955	24.738
rs2812349	ebi-a-GCST90027161	9	34673913	T/C	0.393	0.393	0.000	0.011	0.968	27.717
rs7575617	ebi-a-GCST90027161	2	618188	A/G	0.644	0.356	0.000	0.011	0.973	20.547
rs111389326	ebi-a-GCST90027161	3	49982379	G/A	0.797	0.203	-0.003	0.012	0.821	24.628
rs12371146	ebi-a-GCST90027161	12	17760573	G/A	0.362	0.362	-0.003	0.011	0.761	20.401
rs36002340	ebi-a-GCST90027161	8	64453033	G/A	0.944	0.056	-0.004	0.021	0.834	19.370
rs72627231	ebi-a-GCST90027161	18	53195964	C/T	0.671	0.329	-0.006	0.011	0.582	22.159
rs12712061	ebi-a-GCST90027161	2	100456136	C/T	0.294	0.294	-0.007	0.011	0.554	19.719
rs7974266	ebi-a-GCST90027161	12	113007602	T/C	0.704	0.296	-0.007	0.011	0.532	21.734
rs67937375	ebi-a-GCST90027161	18	40729163	G/A	0.593	0.407	-0.008	0.010	0.432	22.549
rs1000411	ebi-a-GCST90027161	20	39634616	C/T	0.816	0.184	-0.010	0.013	0.469	20.116
rs12132614	ebi-a-GCST90027161	1	188165995	G/A	0.932	0.068	-0.010	0.021	0.626	20.440
rs74507270	ebi-a-GCST90027161	6	167167262	T/G	0.932	0.068	-0.011	0.021	0.613	20.135
rs13087051	ebi-a-GCST90027161	3	178437566	C/T	0.865	0.135	-0.012	0.015	0.432	23.584
rs10127659	ebi-a-GCST90027161	1	110619665	A/C	0.626	0.374	-0.018	0.010	0.089	19.966
rs11161052	ebi-a-GCST90027161	14	29836773	T/G	0.379	0.379	-0.018	0.011	0.091	21.337
rs113627357	ebi-a-GCST90027161	10	89422728	C/T	0.951	0.049	-0.018	0.021	0.392	29.210
rs115309865	ebi-a-GCST90027161	4	139891784	T/C	0.990	0.010	-0.021	0.060	0.725	23.016
rs7780240	ebi-a-GCST90027161	7	15619005	C/T	0.184	0.184	-0.021	0.013	0.108	21.051
rs1261797	ebi-a-GCST90027161	14	95318168	G/A	0.828	0.172	-0.042	0.013	0.001	21.049
rs188657059	ebi-a-GCST90027161	4	119022178	C/T	0.989	0.011	-0.051	0.056	0.365	22.959

d type: Tub mar

rs77523550	ebi-a-GCST90027161	4	36339097	G/A	0.951	0.049	0.051	0.023	0.024	21.437
rs183092276	ebi-a-GCST90027161	16	64182702	T/G	0.966	0.035	0.034	0.032	0.292	24.453
rs10672	ebi-a-GCST90027161	6	33662265	T/C	0.316	0.316	0.032	0.011	0.005	19.902
rs193230150	ebi-a-GCST90027161	11	119577819	G/A	0.980	0.020	0.025	0.035	0.478	21.738
rs115366652	ebi-a-GCST90027161	1	229849261	G/T	0.967	0.033	0.020	0.029	0.505	26.113

rs78797761	ebi-a-GCST90027161	1	80087814	C/T	0.971	0.029	0.016	0.032	0.622	21.416
rs28534445	ebi-a-GCST90027161	15	50641385	T/C	0.840	0.160	0.015	0.014	0.265	19.943
rs79846860	ebi-a-GCST90027161	11	132173229	T/G	0.957	0.044	0.012	0.027	0.651	23.929
rs1295132	ebi-a-GCST90027161	7	16313122	G/T	0.445	0.445	0.007	0.010	0.466	19.641
rs2248004	ebi-a-GCST90027161	6	29913668	T/G	0.208	0.208	0.006	0.013	0.625	19.634
rs729560	ebi-a-GCST90027161	9	87634305	G/A	0.319	0.319	0.006	0.011	0.582	20.959
rs1788760	ebi-a-GCST90027161	18	21137442	A/G	0.332	0.332	0.006	0.011	0.605	20.350
rs4493851	ebi-a-GCST90027161	7	129777889	G/A	0.611	0.389	0.004	0.010	0.695	22.429
rs6072160	ebi-a-GCST90027161	20	39441822	G/A	0.761	0.240	0.003	0.011	0.781	25.303
rs177142	ebi-a-GCST90027161	14	78593045	T/C	0.441	0.441	0.002	0.010	0.826	23.873
rs78670122	ebi-a-GCST90027161	3	70907066	G/A	0.852	0.148	0.002	0.015	0.896	29.455
rs2929342	ebi-a-GCST90027161	3	20071537	G/T	0.842	0.158	0.001	0.013	0.955	20.781
rs73159921	ebi-a-GCST90027161	3	151127674	G/A	0.837	0.163	0.000	0.014	0.993	23.787
rs55985728	ebi-a-GCST90027161	8	57030028	C/A	0.960	0.040	0.000	0.029	0.990	19.644
rs115014319	ebi-a-GCST90027161	18	42929521	T/G	0.977	0.023	-0.001	0.033	0.977	20.394
rs3109467	ebi-a-GCST90027161	3	180941868	G/A	0.219	0.219	-0.002	0.013	0.887	24.147
rs57989860	ebi-a-GCST90027161	19	32724745	A/G	0.784	0.216	-0.007	0.012	0.597	21.645
rs1884920	ebi-a-GCST90027161	20	55223066	A/G	0.436	0.436	-0.010	0.011	0.364	19.638
rs4870487	ebi-a-GCST90027161	6	157091813	T/C	0.718	0.282	-0.010	0.011	0.371	22.965
rs6656902	ebi-a-GCST90027161	1	240280566	T/C	0.888	0.112	-0.013	0.016	0.391	21.239
rs12357059	ebi-a-GCST90027161	10	17539320	C/T	0.882	0.118	-0.018	0.016	0.273	21.818
rs79761300	ebi-a-GCST90027161	16	20070404	C/T	0.953	0.047	-0.019	0.027	0.470	21.130
rs1927942	ebi-a-GCST90027161	9	73935514	C/T	0.950	0.050	-0.021	0.021	0.318	22.261
rs139836475	ebi-a-GCST90027161	4	144066393	C/T	0.953	0.047	-0.026	0.024	0.278	21.534
rs9327533	ebi-a-GCST90027161	5	129045817	C/T	0.855	0.145	-0.031	0.014	0.029	19.894
rs118161928	ebi-a-GCST90027161	7	137075814	C/T	0.986	0.014	-0.113	0.050	0.025	31.006

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rs73041353	ebi-a-GCST90027161	7	2250333	C/T	0.969	0.031	0.075	0.031	0.016	24.455
rs75065798	ebi-a-GCST90027161	2	154019002	G/A	0.948	0.053	0.029	0.025	0.240	20.092
rs3092829	ebi-a-GCST90027161	11	108175394	T/C	0.968	0.032	0.019	0.029	0.517	23.381
rs475375	ebi-a-GCST90027161	11	95616201	C/T	0.618	0.382	0.018	0.011	0.082	35.110
rs12967878	ebi-a-GCST90027161	18	57826570	T/C	0.794	0.206	0.017	0.013	0.190	31.365
rs2241267	ebi-a-GCST90027161	15	86278174	C/T	0.081	0.081	0.014	0.018	0.439	19.337
rs3849305	ebi-a-GCST90027161	1	95331825	T/C	0.804	0.196	0.012	0.013	0.342	21.219
rs117875073	ebi-a-GCST90027161	8	11075953	C/T	0.939	0.061	0.011	0.023	0.643	31.321
rs1521351	ebi-a-GCST90027161	3	71787541	C/T	0.363	0.363	0.008	0.011	0.451	20.624
rs62499062	ebi-a-GCST90027161	8	24446242	G/A	0.915	0.085	0.007	0.019	0.722	19.853
rs147003212	ebi-a-GCST90027161	18	50700784	C/T	0.614	0.386	0.004	0.014	0.767	25.533
rs9460138	ebi-a-GCST90027161	6	170711828	T/C	0.217	0.217	0.002	0.013	0.851	20.636
rs7298932	ebi-a-GCST90027161	12	23727301	A/G	0.866	0.134	0.001	0.016	0.931	22.443
rs10517119	ebi-a-GCST90027161	4	44859711	A/G	0.696	0.305	0.000	0.011	0.980	20.348
rs4935803	ebi-a-GCST90027161	11	122592152	G/A	0.422	0.422	-0.003	0.011	0.809	21.657
rs10516635	ebi-a-GCST90027161	4	118079907	G/A	0.859	0.141	-0.003	0.014	0.839	20.636
rs111389326	ebi-a-GCST90027161	3	49982379	G/A	0.797	0.203	-0.003	0.012	0.821	27.834
rs2998315	ebi-a-GCST90027161	14	85032707	A/G	0.476	0.476	-0.003	0.010	0.736	25.095
rs56205728	ebi-a-GCST90027161	15	40567237	G/A	0.728	0.272	-0.004	0.012	0.748	20.795
rs2032809	ebi-a-GCST90027161	19	47736216	T/C	0.438	0.438	-0.005	0.010	0.602	20.189
rs2192763	ebi-a-GCST90027161	2	202599877	C/T	0.330	0.330	-0.008	0.011	0.474	22.543
rs13422755	ebi-a-GCST90027161	2	223203549	T/G	0.734	0.266	-0.009	0.012	0.435	20.486
rs11979995	ebi-a-GCST90027161	7	95399339	T/C	0.827	0.173	-0.016	0.013	0.245	23.120

rs75543117	ebi-a-GCST90027161	10	53533673	A/C	0.948	0.052	-0.016	0.023	0.479	23.217
rs4823574	ebi-a-GCST90027161	22	47254582	G/A	0.672	0.328	-0.017	0.011	0.113	21.117
rs57505165	ebi-a-GCST90027161	15	25961556	C/T	0.911	0.089	-0.017	0.018	0.342	20.384
rs11209951	ebi-a-GCST90027161	1	72837490	C/T	0.386	0.386	-0.019	0.011	0.071	35.385
rs75487145	ebi-a-GCST90027161	2	68812523	A/G	0.967	0.033	-0.020	0.029	0.491	19.977
rs138637028	ebi-a-GCST90027161	21	26499104	C/T	0.989	0.011	-0.023	0.069	0.740	21.294
rs12868714	ebi-a-GCST90027161	13	112250661	G/A	0.945	0.056	-0.036	0.023	0.121	20.005
rs61857739	ebi-a-GCST90027161	10	92611235	G/A	0.950	0.050	-0.041	0.023	0.077	21.287
rs35218415	ebi-a-GCST90027161	6	86995265	T/C	0.979	0.021	-0.048	0.038	0.208	19.734
rs72825941	ebi-a-GCST90027161	10	110306734	T/C	0.974	0.027	-0.064	0.029	0.029	19.988
rs118161928	ebi-a-GCST90027161	7	137075814	C/T	0.986	0.014	-0.113	0.050	0.025	30.459
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rs144771051	ebi-a-GCST90027161	11	80834245	A/G	0.988	0.012	0.080	0.059	0.170	21.121
rs372180262	ebi-a-GCST90027161	1	202777042	T/C	0.978	0.022	0.072	0.032	0.027	20.529
rs117826297	ebi-a-GCST90027161	11	131192757	T/G	0.961	0.039	0.067	0.029	0.024	21.168
rs145322337	ebi-a-GCST90027161	1	180067167	G/A	0.981	0.019	0.046	0.037	0.207	19.974
rs169364	ebi-a-GCST90027161	22	41800678	C/T	0.220	0.220	0.037	0.012	0.003	44.428
rs34068332	ebi-a-GCST90027161	3	71619812	C/T	0.361	0.361	0.037	0.011	0.001	21.431
rs603826	ebi-a-GCST90027161	11	118970878	A/C	0.636	0.364	0.029	0.011	0.005	26.698
rs6265	ebi-a-GCST90027161	11	27679916	C/T	0.828	0.172	0.028	0.014	0.046	24.987
rs4817505	ebi-a-GCST90027161	21	34343828	T/C	0.591	0.409	0.025	0.010	0.018	41.526
rs7999399	ebi-a-GCST90027161	13	89233505	C/T	0.515	0.485	0.024	0.010	0.020	31.307
rs1428401	ebi-a-GCST90027161	5	7394707	T/C	0.962	0.038	0.022	0.029	0.460	20.271
rs11657857	ebi-a-GCST90027161	17	15959537	G/A	0.844	0.156	0.021	0.014	0.139	23.854
rs12752825	ebi-a-GCST90027161	1	244015295	A/G	0.612	0.388	0.020	0.011	0.052	26.342
rs4410790	ebi-a-GCST90027161	7	17284577	T/C	0.351	0.351	0.020	0.011	0.062	312.552
rs7236339	ebi-a-GCST90027161	18	77579773	G/A	0.768	0.232	0.020	0.012	0.098	19.346
rs1275193	ebi-a-GCST90027161	14	69466699	C/A	0.593	0.407	0.019	0.010	0.066	19.558
rs74882911	ebi-a-GCST90027161	11	41448521	C/T	0.967	0.033	0.018	0.030	0.537	20.235
rs2251012	ebi-a-GCST90027161	21	17633645	T/C	0.463	0.463	0.018	0.010	0.082	20.627
rs2940806	ebi-a-GCST90027161	2	28661201	T/C	0.463	0.463	0.018	0.010	0.088	27.115
rs16855175	ebi-a-GCST90027161	2	216835468	G/A	0.973	0.027	0.017	0.030	0.581	20.395
rs2234233	ebi-a-GCST90027161	5	9629529	G/A	0.827	0.173	0.015	0.013	0.274	21.116
rs3132294	ebi-a-GCST90027161	9	137324120	T/C	0.235	0.235	0.015	0.012	0.241	23.079
rs4418728	ebi-a-GCST90027161	10	94839724	G/T	0.540	0.460	0.014	0.010	0.183	32.188
rs9838694	ebi-a-GCST90027161	3	23965336	G/T	0.808	0.192	0.013	0.013	0.304	24.949
rs78232819	ebi-a-GCST90027161	8	33692141	T/C	0.945	0.055	0.013	0.023	0.580	25.324
rs1421488	ebi-a-GCST90027161	10	107444714	G/A	0.605	0.395	0.012	0.010	0.248	20.195
rs12504877	ebi-a-GCST90027161	4	68058681	T/G	0.516	0.484	0.012	0.010	0.265	29.462
rs11765962	ebi-a-GCST90027161	7	140126507	A/G	0.895	0.105	0.011	0.017	0.530	20.889
rs301754	ebi-a-GCST90027161	1	216331851	C/T	0.136	0.136	0.011	0.016	0.502	27.759
rs7172571	ebi-a-GCST90027161	15	69590707	G/A	0.265	0.265	0.010	0.012	0.370	22.487
rs10752269	ebi-a-GCST90027161	10	12692902	G/A	0.430	0.430	0.010	0.010	0.354	34.882
rs1020111	ebi-a-GCST90027161	2	201247780	G/A	0.463	0.463	0.009	0.010	0.354	26.771
rs9624470	ebi-a-GCST90027161	22	24820268	G/A	0.428	0.428	0.009	0.010	0.372	150.815
rs11766167	ebi-a-GCST90027161	7	129764961	A/G	0.534	0.466	0.009	0.010	0.391	22.275
rs36018044	ebi-a-GCST90027161	9	11556979	A/G	0.796	0.204	0.008	0.012	0.498	22.263
rs10932516	ebi-a-GCST90027161	2	214803916	A/C	0.354	0.354	0.007	0.011	0.488	19.417
rs17685	ebi-a-GCST90027161	7	75616105	G/A	0.684	0.316	0.007	0.011	0.509	88.655
rs57462170	ebi-a-GCST90027161	3	50239803	G/A	0.880	0.120	0.007	0.015	0.652	36.514

rs6822218	ebi-a-GCST90027161	4	18246160	A/G	0.300	0.300	0.007	0.011	0.527	23.215
rs10846378	ebi-a-GCST90027161	12	16743434	T/G	0.393	0.393	0.007	0.011	0.546	23.615
rs4964789	ebi-a-GCST90027161	12	104782356	A/G	0.298	0.298	0.006	0.011	0.559	21.083
rs1433071	ebi-a-GCST90027161	19	30913098	T/G	0.567	0.433	0.006	0.010	0.560	26.047
rs10199813	ebi-a-GCST90027161	2	119659866	T/C	0.899	0.101	0.006	0.018	0.748	20.065
rs6756907	ebi-a-GCST90027161	2	195025146	G/A	0.441	0.441	0.006	0.010	0.583	20.404
rs9605069	ebi-a-GCST90027161	22	20131115	C/T	0.848	0.152	0.005	0.015	0.744	26.670
rs6033239	ebi-a-GCST90027161	20	11845930	G/T	0.628	0.372	0.005	0.011	0.653	34.529
rs6580157	ebi-a-GCST90027161	5	154825596	A/G	0.580	0.420	0.005	0.010	0.645	23.561
rs1285244	ebi-a-GCST90027161	17	77797634	A/G	0.543	0.457	0.004	0.010	0.667	22.915
rs2207055	ebi-a-GCST90027161	6	78135205	C/A	0.653	0.347	0.004	0.011	0.676	23.865
rs10070497	ebi-a-GCST90027161	5	11204656	A/G	0.906	0.094	0.004	0.018	0.815	23.019
rs13421416	ebi-a-GCST90027161	2	128642625	T/G	0.532	0.468	0.004	0.010	0.701	20.052
rs2958718	ebi-a-GCST90027161	8	93180160	C/T	0.227	0.227	0.004	0.013	0.770	33.584
rs111285082	ebi-a-GCST90027161	4	2142094	G/A	0.955	0.046	0.003	0.026	0.897	21.771
rs10764990	ebi-a-GCST90027161	10	129152608	G/A	0.430	0.430	0.003	0.010	0.771	37.221
rs318915	ebi-a-GCST90027161	8	50917230	A/C	0.183	0.183	0.003	0.014	0.832	19.799
rs876793	ebi-a-GCST90027161	1	237852083	T/C	0.671	0.329	0.003	0.011	0.792	20.876
rs2344802	ebi-a-GCST90027161	8	31357137	T/C	0.514	0.486	0.003	0.010	0.792	20.773
rs10938397	ebi-a-GCST90027161	4	45182527	A/G	0.556	0.444	0.002	0.010	0.812	19.485
rs35596618	ebi-a-GCST90027161	1	50504100	A/G	0.885	0.115	0.001	0.015	0.935	22.216
rs7833554	ebi-a-GCST90027161	8	103642986	C/T	0.461	0.461	0.001	0.010	0.930	21.866
rs9390841	ebi-a-GCST90027161	6	102901123	C/T	0.791	0.209	0.001	0.012	0.960	21.804
rs9480166	ebi-a-GCST90027161	6	155918007	T/C	0.795	0.205	0.001	0.013	0.961	24.049
rs2465018	ebi-a-GCST90027161	6	51241140	G/A	0.790	0.210	0.001	0.013	0.966	73.564
rs6848489	ebi-a-GCST90027161	4	139312812	G/A	0.533	0.467	0.000	0.010	0.981	19.642
rs7089227	ebi-a-GCST90027161	10	13667731	G/T	0.399	0.399	0.000	0.010	0.987	20.797
rs10741694	ebi-a-GCST90027161	11	16286183	T/C	0.320	0.320	0.000	0.012	0.991	50.462
rs167108	ebi-a-GCST90027161	4	28496486	G/A	0.358	0.358	0.000	0.011	0.982	22.866
rs4411894	ebi-a-GCST90027161	3	85196366	G/A	0.521	0.479	0.000	0.010	0.971	25.381
rs9438624	ebi-a-GCST90027161	1	26758044	C/T	0.217	0.217	0.000	0.012	0.976	22.094
rs28564704	ebi-a-GCST90027161	11	1680039	T/C	0.804	0.196	-0.001	0.013	0.946	28.632
rs1264420	ebi-a-GCST90027161	6	30575603	A/G	0.364	0.364	-0.001	0.011	0.923	20.031
rs3745607	ebi-a-GCST90027161	19	47777661	C/T	0.563	0.437	-0.001	0.011	0.917	29.416
rs740691	ebi-a-GCST90027161	19	18234441	C/T	0.477	0.477	-0.001	0.010	0.903	19.888
rs12127737	ebi-a-GCST90027161	1	44402565	G/A	0.232	0.232	-0.001	0.012	0.913	26.206
rs34562238	ebi-a-GCST90027161	2	40559158	C/T	0.731	0.269	-0.001	0.011	0.899	31.418
rs10781197	ebi-a-GCST90027161	9	76826812	G/T	0.255	0.255	-0.002	0.012	0.888	22.765
rs13081238	ebi-a-GCST90027161	3	3740692	G/T	0.730	0.270	-0.002	0.011	0.879	19.857
rs483654	ebi-a-GCST90027161	8	20809616	T/C	0.340	0.340	-0.002	0.011	0.876	20.108
rs11752836	ebi-a-GCST90027161	6	11492836	A/G	0.429	0.429	-0.002	0.010	0.859	26.912
rs62355152	ebi-a-GCST90027161	5	30781179	A/G	0.897	0.104	-0.002	0.017	0.913	20.380
rs372561	ebi-a-GCST90027161	8	73427027	G/A	0.178	0.178	-0.002	0.014	0.867	26.321
rs657831	ebi-a-GCST90027161	13	35930145	C/T	0.823	0.177	-0.002	0.014	0.865	19.558
rs6593661	ebi-a-GCST90027161	1	95989137	C/A	0.156	0.156	-0.003	0.014	0.854	22.883
rs962242	ebi-a-GCST90027161	1	154592140	T/C	0.780	0.220	-0.003	0.013	0.814	37.236
rs1009950	ebi-a-GCST90027161	7	157536448	G/T	0.611	0.389	-0.003	0.011	0.779	26.114
rs9389449	ebi-a-GCST90027161	6	137231671	A/G	0.466	0.466	-0.003	0.010	0.770	29.130
rs2472297	ebi-a-GCST90027161	15	75027880	C/T	0.740	0.261	-0.003	0.012	0.765	474.008
rs79494947	ebi-a-GCST90027161	5	178794691	G/A	0.954	0.046	-0.003	0.026	0.895	24.722

rs10736151	ebi-a-GCST90027161	10	102629868	G/A	0.652	0.348	-0.004	0.011	0.738	24.425
rs725452	ebi-a-GCST90027161	2	58511300	A/G	0.786	0.214	-0.004	0.012	0.770	32.979
rs1941356	ebi-a-GCST90027161	18	31612400	C/T	0.402	0.402	-0.004	0.010	0.717	28.329
rs10894576	ebi-a-GCST90027161	11	100052952	G/A	0.726	0.274	-0.004	0.011	0.736	20.067
rs17670483	ebi-a-GCST90027161	15	40636957	T/C	0.734	0.266	-0.004	0.012	0.745	22.078
rs12256016	ebi-a-GCST90027161	10	131476007	A/G	0.765	0.236	-0.004	0.012	0.723	25.007
rs10774897	ebi-a-GCST90027161	12	110226796	A/G	0.542	0.458	-0.005	0.010	0.654	24.274
rs10267687	ebi-a-GCST90027161	7	3766270	C/A	0.930	0.071	-0.005	0.021	0.811	22.407
rs4234717	ebi-a-GCST90027161	4	6020190	A/G	0.428	0.428	-0.005	0.010	0.617	20.961
rs2678228	ebi-a-GCST90027161	2	50376687	G/T	0.477	0.477	-0.005	0.010	0.594	23.712
rs282474	ebi-a-GCST90027161	5	156141917	T/C	0.523	0.477	-0.006	0.010	0.561	19.774
rs9482770	ebi-a-GCST90027161	6	127443092	T/C	0.551	0.449	-0.007	0.010	0.514	20.891
rs10783857	ebi-a-GCST90027161	12	58313144	G/A	0.729	0.271	-0.007	0.011	0.529	22.706
rs11613633	ebi-a-GCST90027161	12	112040904	C/A	0.821	0.179	-0.007	0.013	0.577	32.670
rs9438866	ebi-a-GCST90027161	1	25543484	A/C	0.169	0.169	-0.008	0.013	0.571	28.137
rs1885159	ebi-a-GCST90027161	14	97389169	G/A	0.928	0.072	-0.008	0.020	0.684	20.293
rs34619	ebi-a-GCST90027161	5	60465365	G/A	0.580	0.420	-0.008	0.010	0.433	28.388
rs12380863	ebi-a-GCST90027161	9	116550325	T/G	0.666	0.334	-0.008	0.011	0.452	24.672
rs4862411	ebi-a-GCST90027161	4	185664774	T/C	0.235	0.235	-0.008	0.012	0.496	25.260
rs75396527	ebi-a-GCST90027161	10	29998422	G/A	0.976	0.024	-0.008	0.034	0.806	20.228
rs2406678	ebi-a-GCST90027161	12	42907516	T/C	0.465	0.465	-0.009	0.010	0.403	22.763
rs10281069	ebi-a-GCST90027161	7	75499311	C/T	0.520	0.480	-0.009	0.010	0.391	27.616
rs2839188	ebi-a-GCST90027161	21	47692798	C/T	0.607	0.393	-0.009	0.010	0.398	23.264
rs170768	ebi-a-GCST90027161	1	174689925	C/T	0.630	0.370	-0.009	0.011	0.388	58.599
rs2279844	ebi-a-GCST90027161	17	40819809	G/A	0.621	0.379	-0.010	0.010	0.356	25.995
rs2763928	ebi-a-GCST90027161	13	100246138	T/C	0.561	0.440	-0.010	0.010	0.322	19.989
rs4468472	ebi-a-GCST90027161	13	111528251	T/C	0.591	0.409	-0.010	0.010	0.313	22.740
rs4911542	ebi-a-GCST90027161	20	30648825	T/C	0.292	0.292	-0.011	0.011	0.347	19.348
rs9937521	ebi-a-GCST90027161	16	53799296	C/T	0.569	0.432	-0.011	0.010	0.293	41.709
rs1246277	ebi-a-GCST90027161	9	86768704	A/G	0.632	0.369	-0.011	0.011	0.295	19.630
rs34940743	ebi-a-GCST90027161	14	80102233	A/G	0.643	0.357	-0.011	0.011	0.294	34.743
rs7161654	ebi-a-GCST90027161	14	55281360	C/T	0.409	0.409	-0.011	0.016	0.474	19.858
rs12232110	ebi-a-GCST90027161	14	39887331	G/A	0.839	0.161	-0.012	0.015	0.431	23.349
rs56019762	ebi-a-GCST90027161	10	10205581	G/A	0.777	0.223	-0.012	0.013	0.343	21.464
rs62092408	ebi-a-GCST90027161	18	52753099	G/A	0.836	0.164	-0.013	0.015	0.390	31.173
rs2176813	ebi-a-GCST90027161	3	174091420	C/T	0.617	0.383	-0.014	0.010	0.194	20.242
rs57631352	ebi-a-GCST90027161	19	4338173	A/G	0.688	0.312	-0.014	0.011	0.208	35.849
rs12446615	ebi-a-GCST90027161	16	73915896	A/G	0.407	0.407	-0.014	0.011	0.183	27.749
rs883208	ebi-a-GCST90027161	2	164512618	C/A	0.725	0.276	-0.014	0.012	0.217	21.044
rs9545145	ebi-a-GCST90027161	13	80173760	G/A	0.520	0.480	-0.015	0.010	0.153	21.995
rs28587061	ebi-a-GCST90027161	5	166709809	C/T	0.715	0.286	-0.015	0.012	0.182	24.763
rs1901571	ebi-a-GCST90027161	15	74139139	C/T	0.566	0.434	-0.016	0.010	0.111	21.076
rs187328	ebi-a-GCST90027161	12	11331479	T/C	0.615	0.385	-0.018	0.017	0.292	66.255
rs9262602	ebi-a-GCST90027161	6	31020271	A/G	0.867	0.133	-0.018	0.016	0.249	20.189
rs4855406	ebi-a-GCST90027161	3	69482828	C/A	0.381	0.381	-0.019	0.010	0.068	30.439
rs8044339	ebi-a-GCST90027161	16	76873781	G/A	0.592	0.409	-0.019	0.010	0.062	22.715
rs7012814	ebi-a-GCST90027161	8	9173358	G/A	0.518	0.482	-0.021	0.010	0.042	29.686
rs10082992	ebi-a-GCST90027161	12	72826693	C/A	0.764	0.236	-0.021	0.012	0.083	27.881
rs2645929	ebi-a-GCST90027161	13	56444529	A/G	0.177	0.177	-0.021	0.013	0.113	30.076
rs10069890	ebi-a-GCST90027161	5	109207832	A/G	0.690	0.310	-0.021	0.011	0.057	23.441

rs9576156	ebi-a-GCST90027161	13	37620397	C/T	0.637	0.363	-0.021	0.011	0.041	20.886
rs6821485	ebi-a-GCST90027161	4	81702036	G/A	0.913	0.087	-0.024	0.019	0.207	20.508
rs2315025	ebi-a-GCST90027161	19	19426609	C/T	0.698	0.302	-0.025	0.011	0.029	46.171
rs10191517	ebi-a-GCST90027161	2	73558403	G/A	0.724	0.277	-0.026	0.011	0.023	19.989
rs12591786	ebi-a-GCST90027161	15	60902512	C/T	0.863	0.138	-0.028	0.015	0.071	42.727
rs2231142	ebi-a-GCST90027161	4	89052323	G/T	0.902	0.098	-0.029	0.018	0.100	63.158
rs73724313	ebi-a-GCST90027161	7	130117969	G/A	0.957	0.043	-0.037	0.027	0.175	20.401
rs74881698	ebi-a-GCST90027161	3	180884352	C/T	0.901	0.099	-0.040	0.018	0.024	24.049
rs117510659	ebi-a-GCST90027161	6	73677615	T/C	0.984	0.016	-0.094	0.046	0.039	20.286
rs144415894	ebi-a-GCST90027161	14	81687152	G/A	0.987	0.013	-0.125	0.048	0.009	20.839
Water consumption										
rs12088630	ebi-a-GCST90027161	1	37097286	A/G	0.877	0.124	0.045	0.015	0.003	20.803
rs9834492	ebi-a-GCST90027161	3	71614274	G/A	0.308	0.308	0.044	0.011	0.000	35.630
rs78743193	ebi-a-GCST90027161	3	143569301	T/C	0.982	0.019	0.039	0.034	0.252	21.522
rs117810762	ebi-a-GCST90027161	10	135315795	G/A	0.981	0.019	0.037	0.033	0.272	33.276
rs74969066	ebi-a-GCST90027161	11	43264801	C/T	0.944	0.057	0.036	0.024	0.134	24.761
rs77740732	ebi-a-GCST90027161	12	57043143	A/G	0.946	0.054	0.033	0.024	0.172	21.467
rs6709696	ebi-a-GCST90027161	2	10456566	C/T	0.899	0.101	0.033	0.018	0.068	21.303
rs10138883	ebi-a-GCST90027161	14	70533940	G/A	0.942	0.058	0.032	0.022	0.144	20.187
rs149988292	ebi-a-GCST90027161	13	35718989	G/A	0.980	0.020	0.029	0.039	0.458	19.890
rs11513729	ebi-a-GCST90027161	12	112273499	C/T	0.599	0.401	0.028	0.010	0.008	29.009
rs12402939	ebi-a-GCST90027161	1	150615094	A/C	0.606	0.395	0.027	0.010	0.009	49.195
rs11167599	ebi-a-GCST90027161	5	152199121	A/C	0.359	0.359	0.027	0.011	0.012	24.322
rs2289292	ebi-a-GCST90027161	16	30097630	C/T	0.629	0.371	0.025	0.010	0.018	40.993
rs112545201	ebi-a-GCST90027161	3	185803532	C/T	0.880	0.120	0.024	0.016	0.136	27.265
rs7204722	ebi-a-GCST90027161	16	87430239	C/T	0.163	0.163	0.024	0.014	0.089	20.964
rs1031277	ebi-a-GCST90027161	7	17566826	G/A	0.725	0.275	0.023	0.012	0.044	23.483
rs62044176	ebi-a-GCST90027161	16	18947017	G/A	0.593	0.408	0.022	0.011	0.042	22.437
rs58860638	ebi-a-GCST90027161	4	130228392	A/C	0.974	0.026	0.021	0.036	0.556	19.700
rs4839498	ebi-a-GCST90027161	1	116412561	C/T	0.369	0.369	0.021	0.011	0.050	22.130
rs369002335	ebi-a-GCST90027161	7	89530714	T/C	0.906	0.094	0.021	0.018	0.251	19.565
rs4410790	ebi-a-GCST90027161	7	17284577	T/C	0.351	0.351	0.020	0.011	0.062	358.410
rs74339929	ebi-a-GCST90027161	8	104233207	G/A	0.968	0.032	0.020	0.029	0.497	22.814
rs77244071	ebi-a-GCST90027161	3	114726684	G/A	0.938	0.062	0.020	0.022	0.368	19.365
rs10857939	ebi-a-GCST90027161	1	112729393	T/C	0.344	0.344	0.019	0.011	0.079	26.169
rs1943548	ebi-a-GCST90027161	18	28253126	T/C	0.347	0.347	0.019	0.011	0.082	26.430
rs147502653	ebi-a-GCST90027161	6	122118898	A/C	0.969	0.031	0.018	0.032	0.566	22.316
rs17187086	ebi-a-GCST90027161	1	208270591	C/A	0.656	0.344	0.018	0.011	0.098	25.685
rs13409451	ebi-a-GCST90027161	2	144257639	A/G	0.638	0.362	0.017	0.011	0.107	27.620
rs7915194	ebi-a-GCST90027161	10	134050509	T/C	0.271	0.271	0.017	0.012	0.130	23.428
rs10854166	ebi-a-GCST90027161	19	18652844	A/G	0.508	0.492	0.016	0.010	0.110	19.976
rs12640798	ebi-a-GCST90027161	4	58329695	A/G	0.663	0.337	0.016	0.011	0.127	23.291
rs72712508	ebi-a-GCST90027161	4	140797848	C/T	0.972	0.028	0.016	0.036	0.649	21.411
rs2478830	ebi-a-GCST90027161	10	30366521	C/A	0.411	0.411	0.015	0.011	0.152	20.788
rs56159700	ebi-a-GCST90027161	11	79074341	G/T	0.775	0.225	0.014	0.012	0.258	20.048
rs11150745	ebi-a-GCST90027161	17	78757626	A/G	0.692	0.308	0.014	0.011	0.219	25.042
rs35575289	ebi-a-GCST90027161	5	107308489	T/C	0.868	0.132	0.014	0.014	0.338	27.547
rs7771368	ebi-a-GCST90027161	6	40402268	C/T	0.766	0.235	0.014	0.012	0.267	25.851
rs7618975	ebi-a-GCST90027161	3	25086328	A/C	0.618	0.383	0.013	0.011	0.220	28.332
rs2505504	ebi-a-GCST90027161	10	43749006	A/G	0.244	0.244	0.013	0.012	0.301	23.792

rs145986044	ebi-a-GCST90027161	10	44371263	G/A	0.988	0.012	0.012	0.049	0.800	21.658
rs1046276	ebi-a-GCST90027161	16	30914626	T/C	0.354	0.354	0.012	0.011	0.244	20.247
rs1299896	ebi-a-GCST90027161	20	51786839	C/A	0.670	0.330	0.012	0.011	0.258	24.968
rs72987198	ebi-a-GCST90027161	11	106078382	T/C	0.990	0.010	0.012	0.053	0.819	23.450
rs4653824	ebi-a-GCST90027161	1	227514080	C/A	0.719	0.282	0.012	0.011	0.285	22.634
rs2274156	ebi-a-GCST90027161	6	33857564	C/T	0.731	0.269	0.012	0.011	0.299	29.657
rs3933088	ebi-a-GCST90027161	14	99705331	T/C	0.582	0.418	0.012	0.010	0.258	28.558
rs973526	ebi-a-GCST90027161	1	72556393	C/T	0.514	0.486	0.011	0.010	0.270	34.964
rs2400942	ebi-a-GCST90027161	14	101320319	G/A	0.642	0.359	0.011	0.011	0.311	20.891
rs11770515	ebi-a-GCST90027161	7	44430959	C/T	0.796	0.205	0.011	0.013	0.390	28.043
rs2303100	ebi-a-GCST90027161	19	9968434	C/T	0.438	0.438	0.011	0.010	0.306	27.383
rs780093	ebi-a-GCST90027161	2	27742603	T/C	0.372	0.372	0.011	0.011	0.318	25.582
rs519380	ebi-a-GCST90027161	11	66409409	G/A	0.742	0.258	0.010	0.011	0.359	23.989
rs9583037	ebi-a-GCST90027161	13	106403655	G/A	0.900	0.101	0.010	0.016	0.529	21.161
rs11712872	ebi-a-GCST90027161	3	52835514	G/A	0.898	0.102	0.010	0.018	0.574	24.866
rs4130609	ebi-a-GCST90027161	12	23695404	C/T	0.257	0.257	0.009	0.012	0.443	25.396
rs28750196	ebi-a-GCST90027161	7	8796229	C/T	0.405	0.405	0.009	0.010	0.390	20.424
rs1515099	ebi-a-GCST90027161	2	227128899	G/A	0.369	0.369	0.009	0.010	0.406	34.021
rs59414074	ebi-a-GCST90027161	2	172535198	C/T	0.887	0.113	0.009	0.015	0.576	43.837
rs11885682	ebi-a-GCST90027161	2	196629193	T/C	0.407	0.407	0.009	0.010	0.415	21.485
rs35550467	ebi-a-GCST90027161	14	40330100	C/T	0.970	0.030	0.008	0.032	0.792	20.064
rs896493	ebi-a-GCST90027161	8	65422496	C/T	0.834	0.166	0.008	0.014	0.548	37.717
rs2917704	ebi-a-GCST90027161	16	64305723	G/A	0.408	0.408	0.008	0.010	0.437	33.171
rs2675638	ebi-a-GCST90027161	10	63576286	G/A	0.579	0.421	0.007	0.010	0.470	25.733
rs2915858	ebi-a-GCST90027161	5	166542621	A/G	0.411	0.411	0.007	0.011	0.496	21.629
rs72874313	ebi-a-GCST90027161	2	166178737	A/G	0.722	0.278	0.007	0.011	0.533	33.454
rs6948912	ebi-a-GCST90027161	7	2076701	T/C	0.659	0.341	0.007	0.011	0.507	23.976
rs6672616	ebi-a-GCST90027161	1	16567622	T/C	0.763	0.237	0.007	0.012	0.560	25.577
rs7777102	ebi-a-GCST90027161	7	73058017	A/G	0.868	0.132	0.007	0.015	0.647	60.290
rs7562467	ebi-a-GCST90027161	2	140947295	A/C	0.447	0.447	0.006	0.010	0.535	21.654
rs6074776	ebi-a-GCST90027161	20	14697914	C/T	0.468	0.468	0.006	0.010	0.544	37.739
rs11590932	ebi-a-GCST90027161	1	161692154	T/C	0.748	0.252	0.006	0.012	0.604	20.644
rs9480146	ebi-a-GCST90027161	6	155800758	T/G	0.542	0.458	0.006	0.010	0.545	29.060
rs17510789	ebi-a-GCST90027161	6	111702789	A/G	0.850	0.150	0.006	0.015	0.680	19.844
rs4422662	ebi-a-GCST90027161	6	6399783	A/G	0.135	0.135	0.006	0.015	0.688	21.596
rs7786041	ebi-a-GCST90027161	7	127495218	T/C	0.110	0.110	0.006	0.017	0.722	39.767
rs34394845	ebi-a-GCST90027161	4	66841492	A/G	0.756	0.244	0.006	0.012	0.629	22.555
rs10902782	ebi-a-GCST90027161	8	145720870	G/A	0.521	0.479	0.006	0.010	0.578	25.489
rs11605919	ebi-a-GCST90027161	11	119902691	C/T	0.476	0.476	0.006	0.010	0.575	29.190
rs12124449	ebi-a-GCST90027161	1	205134284	C/T	0.834	0.166	0.006	0.014	0.680	27.663
rs6925748	ebi-a-GCST90027161	6	50930041	A/G	0.573	0.427	0.006	0.010	0.574	20.796
rs7684064	ebi-a-GCST90027161	4	136010920	T/G	0.574	0.426	0.006	0.010	0.581	20.757
rs3218069	ebi-a-GCST90027161	19	30313576	C/T	0.589	0.411	0.006	0.010	0.591	22.647
rs859550	ebi-a-GCST90027161	7	39042611	A/G	0.768	0.232	0.005	0.012	0.660	19.604
rs2550038	ebi-a-GCST90027161	16	72112013	T/C	0.599	0.401	0.005	0.010	0.616	19.838
rs35462561	ebi-a-GCST90027161	6	165082214	A/G	0.542	0.458	0.005	0.010	0.624	21.227
rs4459628	ebi-a-GCST90027161	18	22672422	A/C	0.265	0.265	0.005	0.012	0.670	35.233
rs783533	ebi-a-GCST90027161	15	83250186	C/T	0.553	0.447	0.005	0.010	0.622	28.578
rs34967813	ebi-a-GCST90027161	1	237841390	A/G	0.701	0.299	0.005	0.011	0.670	44.460
rs570436	ebi-a-GCST90027161	2	45142673	C/T	0.406	0.406	0.005	0.011	0.663	39.787

rs738410	ebi-a-GCST90027161	22	44324171	C/T	0.480	0.480	0.005	0.010	0.656	22.020
rs67174962	ebi-a-GCST90027161	5	164760067	G/A	0.785	0.215	0.004	0.013	0.740	48.297
rs11723244	ebi-a-GCST90027161	4	22163187	G/A	0.814	0.186	0.004	0.013	0.743	27.390
rs662356	ebi-a-GCST90027161	7	17504506	A/G	0.531	0.469	0.004	0.010	0.689	25.597
rs1980627	ebi-a-GCST90027161	20	38286298	A/G	0.377	0.377	0.004	0.010	0.707	30.523
rs2716991	ebi-a-GCST90027161	2	58068285	T/G	0.539	0.461	0.004	0.010	0.716	27.341
rs208824	ebi-a-GCST90027161	15	89927560	T/C	0.548	0.453	0.003	0.010	0.776	26.083
rs8014725	ebi-a-GCST90027161	14	56186953	A/G	0.584	0.416	0.003	0.010	0.781	27.196
rs2047073	ebi-a-GCST90027161	5	4112793	C/T	0.358	0.358	0.002	0.011	0.829	21.592
rs2283102	ebi-a-GCST90027161	8	28592568	A/G	0.676	0.324	0.002	0.011	0.828	28.472
rs10867407	ebi-a-GCST90027161	9	82282445	C/T	0.360	0.360	0.002	0.011	0.868	19.645
rs1435402	ebi-a-GCST90027161	15	88440790	C/A	0.370	0.370	0.002	0.011	0.873	22.953
rs7044488	ebi-a-GCST90027161	9	2250385	T/C	0.652	0.348	0.002	0.011	0.873	22.767
rs13412552	ebi-a-GCST90027161	2	77292449	C/A	0.743	0.257	0.002	0.012	0.892	21.977
rs62247424	ebi-a-GCST90027161	3	64399338	G/T	0.529	0.471	0.002	0.010	0.878	20.144
rs4310286	ebi-a-GCST90027161	9	87587542	T/C	0.501	0.499	0.002	0.010	0.881	54.980
rs7218157	ebi-a-GCST90027161	17	73027044	C/A	0.600	0.400	0.002	0.010	0.885	23.931
rs10882994	ebi-a-GCST90027161	10	99504725	A/G	0.233	0.233	0.001	0.012	0.931	23.924
rs10142872	ebi-a-GCST90027161	14	24238033	C/T	0.538	0.462	0.001	0.010	0.936	21.968
rs67741948	ebi-a-GCST90027161	4	36747786	C/T	0.859	0.141	0.001	0.016	0.960	19.280
rs7047335	ebi-a-GCST90027161	9	80122571	C/T	0.530	0.470	0.001	0.010	0.941	21.314
rs224415	ebi-a-GCST90027161	20	34135629	G/A	0.399	0.399	0.000	0.012	0.972	51.356
rs59012690	ebi-a-GCST90027161	3	89168071	T/G	0.767	0.233	-0.001	0.012	0.970	29.311
rs11250050	ebi-a-GCST90027161	8	10490616	C/T	0.301	0.301	-0.001	0.012	0.963	21.699
rs12726405	ebi-a-GCST90027161	1	7015633	T/C	0.118	0.118	-0.001	0.015	0.939	23.933
rs10032153	ebi-a-GCST90027161	4	93993208	T/C	0.673	0.327	-0.002	0.011	0.884	26.483
rs57041750	ebi-a-GCST90027161	6	166319889	A/G	0.850	0.150	-0.002	0.014	0.884	20.101
rs62188594	ebi-a-GCST90027161	2	207883760	C/A	0.544	0.456	-0.003	0.010	0.807	30.110
rs11215686	ebi-a-GCST90027161	11	115675044	C/T	0.526	0.474	-0.003	0.010	0.794	39.472
rs117177557	ebi-a-GCST90027161	13	107346374	A/G	0.873	0.127	-0.003	0.016	0.849	20.436
rs139621204	ebi-a-GCST90027161	15	23971987	C/T	0.984	0.016	-0.003	0.044	0.943	19.158
rs11045856	ebi-a-GCST90027161	12	21350689	T/G	0.794	0.206	-0.003	0.013	0.795	27.789
rs12440886	ebi-a-GCST90027161	15	64172899	G/A	0.838	0.162	-0.003	0.014	0.811	20.567
rs2472297	ebi-a-GCST90027161	15	75027880	C/T	0.740	0.261	-0.003	0.012	0.765	362.305
rs112409727	ebi-a-GCST90027161	8	126358019	G/A	0.990	0.010	-0.004	0.052	0.945	20.085
rs6011376	ebi-a-GCST90027161	20	62897634	A/G	0.468	0.468	-0.004	0.010	0.697	26.844
rs6894366	ebi-a-GCST90027161	5	141272101	C/T	0.494	0.494	-0.004	0.010	0.693	32.584
rs12500979	ebi-a-GCST90027161	4	6454012	T/C	0.520	0.481	-0.004	0.010	0.663	20.446
rs911615	ebi-a-GCST90027161	14	55259203	T/G	0.332	0.332	-0.005	0.011	0.675	21.063
rs11686064	ebi-a-GCST90027161	2	85063529	G/A	0.939	0.062	-0.005	0.021	0.822	20.828
rs7617666	ebi-a-GCST90027161	3	158039012	A/C	0.667	0.333	-0.005	0.011	0.654	24.135
rs12965169	ebi-a-GCST90027161	18	4834968	C/T	0.905	0.095	-0.005	0.018	0.779	23.584
rs7569982	ebi-a-GCST90027161	2	4869564	T/C	0.831	0.169	-0.005	0.014	0.728	20.937
rs2198234	ebi-a-GCST90027161	2	104159202	G/T	0.486	0.486	-0.005	0.010	0.612	55.979
rs8045829	ebi-a-GCST90027161	16	19271032	T/G	0.372	0.372	-0.005	0.011	0.646	40.498
rs197503	ebi-a-GCST90027161	6	143104251	G/A	0.372	0.372	-0.005	0.011	0.620	25.135
rs7124005	ebi-a-GCST90027161	11	131658253	C/T	0.566	0.434	-0.005	0.010	0.599	26.483
rs6428248	ebi-a-GCST90027161	1	194508852	T/C	0.739	0.261	-0.006	0.011	0.602	29.627
rs12894498	ebi-a-GCST90027161	14	84973459	C/T	0.626	0.374	-0.007	0.011	0.538	29.604
rs6557271	ebi-a-GCST90027161	6	153437735	T/C	0.668	0.332	-0.007	0.011	0.537	25.404

rs10734205	ebi-a-GCST90027161	11	12861267	C/T	0.255	0.255	-0.007	0.012	0.589	28.797
rs3845819	ebi-a-GCST90027161	2	65779235	C/T	0.470	0.470	-0.007	0.010	0.515	19.830
rs4603502	ebi-a-GCST90027161	15	47874654	T/C	0.732	0.269	-0.007	0.012	0.564	52.862
rs73846606	ebi-a-GCST90027161	3	87131541	C/A	0.970	0.030	-0.007	0.031	0.830	20.097
rs9385778	ebi-a-GCST90027161	6	137257431	T/C	0.409	0.409	-0.007	0.010	0.505	19.849
rs10770034	ebi-a-GCST90027161	11	9499574	C/T	0.609	0.391	-0.007	0.011	0.509	65.086
rs11636496	ebi-a-GCST90027161	15	36332212	G/A	0.648	0.352	-0.007	0.011	0.513	31.247
rs7899456	ebi-a-GCST90027161	10	77865435	G/A	0.356	0.356	-0.007	0.011	0.504	23.376
rs9523597	ebi-a-GCST90027161	13	92941096	G/A	0.737	0.263	-0.007	0.012	0.554	19.768
rs1381274	ebi-a-GCST90027161	14	98655131	C/T	0.525	0.475	-0.008	0.010	0.453	64.784
rs7187508	ebi-a-GCST90027161	16	6533549	C/A	0.427	0.427	-0.008	0.010	0.457	40.540
rs895412	ebi-a-GCST90027161	2	113973964	T/C	0.549	0.451	-0.008	0.010	0.453	33.656
rs11714200	ebi-a-GCST90027161	3	18699311	G/A	0.385	0.385	-0.008	0.010	0.432	38.684
rs145290	ebi-a-GCST90027161	8	55529612	A/G	0.744	0.256	-0.008	0.012	0.486	20.608
rs1427041	ebi-a-GCST90027161	18	35208320	A/G	0.157	0.157	-0.008	0.014	0.561	27.722
rs11746622	ebi-a-GCST90027161	5	125809483	G/A	0.715	0.285	-0.008	0.011	0.452	21.764
rs146394874	ebi-a-GCST90027161	14	33360641	C/A	0.967	0.033	-0.008	0.034	0.805	24.889
rs4883783	ebi-a-GCST90027161	13	67197933	C/T	0.483	0.483	-0.009	0.010	0.389	24.747
rs9808998	ebi-a-GCST90027161	3	176405898	T/C	0.619	0.381	-0.009	0.011	0.396	27.134
rs17444495	ebi-a-GCST90027161	5	60355284	G/A	0.580	0.420	-0.009	0.010	0.378	38.369
rs9865330	ebi-a-GCST90027161	3	52105925	G/A	0.908	0.093	-0.009	0.017	0.589	29.256
rs72833468	ebi-a-GCST90027161	17	45949338	T/C	0.785	0.215	-0.010	0.012	0.432	25.032
rs2183271	ebi-a-GCST90027161	10	21957229	T/C	0.712	0.288	-0.010	0.015	0.515	41.576
rs9361501	ebi-a-GCST90027161	6	79930225	G/A	0.635	0.365	-0.010	0.011	0.354	30.071
rs6421143	ebi-a-GCST90027161	5	153120718	A/G	0.653	0.347	-0.010	0.011	0.339	22.913
rs34940743	ebi-a-GCST90027161	14	80102233	A/G	0.643	0.357	-0.011	0.011	0.294	43.828
rs13083557	ebi-a-GCST90027161	3	121687613	G/A	0.745	0.255	-0.012	0.012	0.296	23.010
rs7084062	ebi-a-GCST90027161	10	133736636	A/G	0.467	0.467	-0.012	0.010	0.252	27.472
rs34914463	ebi-a-GCST90027161	17	7366619	T/C	0.897	0.103	-0.012	0.019	0.521	32.171
rs1421085	ebi-a-GCST90027161	16	53800954	T/C	0.584	0.416	-0.012	0.010	0.223	58.644
rs7957424	ebi-a-GCST90027161	12	120894318	G/A	0.539	0.461	-0.012	0.014	0.384	23.345
rs6730726	ebi-a-GCST90027161	2	205154353	A/G	0.547	0.453	-0.013	0.010	0.203	24.519
rs1443749	ebi-a-GCST90027161	7	121960438	C/T	0.629	0.371	-0.013	0.011	0.219	35.838
rs12694913	ebi-a-GCST90027161	2	233529900	T/G	0.573	0.427	-0.013	0.010	0.198	22.452
rs6468964	ebi-a-GCST90027161	8	105884605	C/T	0.499	0.499	-0.013	0.010	0.186	19.558
rs4239466	ebi-a-GCST90027161	18	52612778	A/C	0.592	0.408	-0.014	0.010	0.191	33.753
rs17789218	ebi-a-GCST90027161	6	100600097	T/C	0.778	0.222	-0.014	0.013	0.291	22.346
rs1409555	ebi-a-GCST90027161	10	122258537	G/T	0.519	0.481	-0.014	0.010	0.175	23.438
rs12671567	ebi-a-GCST90027161	7	44088819	G/A	0.689	0.311	-0.014	0.011	0.200	21.385
rs1607773	ebi-a-GCST90027161	3	34724246	A/G	0.415	0.415	-0.014	0.010	0.166	25.960
rs13268654	ebi-a-GCST90027161	8	47875389	T/C	0.043	0.043	-0.015	0.026	0.582	19.991
rs73182216	ebi-a-GCST90027161	3	186075556	G/A	0.895	0.105	-0.015	0.018	0.412	21.677
rs7588649	ebi-a-GCST90027161	2	79779796	G/A	0.839	0.161	-0.016	0.014	0.259	29.229
rs6691915	ebi-a-GCST90027161	1	37716718	A/G	0.270	0.270	-0.016	0.012	0.178	25.589
rs190104	ebi-a-GCST90027161	11	32112532	G/A	0.881	0.119	-0.016	0.020	0.420	23.971
rs2078266	ebi-a-GCST90027161	9	138378856	A/G	0.169	0.169	-0.016	0.014	0.259	19.717
rs10925666	ebi-a-GCST90027161	1	235583934	G/A	0.558	0.442	-0.017	0.014	0.246	20.133
rs2482941	ebi-a-GCST90027161	20	25361216	T/C	0.452	0.452	-0.017	0.010	0.103	27.060
rs77080061	ebi-a-GCST90027161	18	74280089	C/T	0.901	0.099	-0.017	0.017	0.320	26.568
rs11547135	ebi-a-GCST90027161	4	77134786	C/T	0.653	0.347	-0.017	0.011	0.105	19.835

rs4236595	ebi-a-GCST90027161	7	111309161	A/G	0.371	0.371	-0.017	0.010	0.100	30.560
rs28684518	ebi-a-GCST90027161	5	98446436	A/C	0.478	0.478	-0.018	0.010	0.083	19.422
rs10769288	ebi-a-GCST90027161	11	47729180	G/A	0.634	0.367	-0.018	0.011	0.084	28.622
rs140250740	ebi-a-GCST90027161	19	46969287	C/T	0.979	0.021	-0.022	0.044	0.617	20.732
rs8088861	ebi-a-GCST90027161	18	60262305	C/T	0.664	0.336	-0.023	0.011	0.034	28.930
rs6541139	ebi-a-GCST90027161	1	220530560	T/C	0.657	0.343	-0.023	0.011	0.032	30.043
rs35179535	ebi-a-GCST90027161	8	41993542	C/T	0.743	0.257	-0.023	0.012	0.051	19.925
rs13137669	ebi-a-GCST90027161	4	152710943	C/T	0.481	0.481	-0.023	0.010	0.021	34.790
rs1177269	ebi-a-GCST90027161	2	61287445	C/T	0.455	0.455	-0.024	0.010	0.017	41.906
rs2229357	ebi-a-GCST90027161	12	57843711	G/A	0.762	0.238	-0.025	0.012	0.039	22.055
rs3195047	ebi-a-GCST90027161	8	22940265	C/T	0.899	0.101	-0.025	0.016	0.122	22.537
rs17135196	ebi-a-GCST90027161	7	102039696	A/G	0.758	0.242	-0.026	0.012	0.031	25.874
rs12297697	ebi-a-GCST90027161	12	90945746	G/T	0.938	0.062	-0.028	0.022	0.204	22.953
rs67025451	ebi-a-GCST90027161	9	29191624	G/A	0.760	0.240	-0.028	0.012	0.017	25.968
rs2442815	ebi-a-GCST90027161	3	12582625	C/T	0.053	0.053	-0.031	0.023	0.168	20.371
rs149335995	ebi-a-GCST90027161	6	16738171	C/T	0.987	0.013	-0.032	0.062	0.606	21.577
rs73140925	ebi-a-GCST90027161	21	25587344	C/T	0.860	0.140	-0.032	0.015	0.030	18.924
rs116624457	ebi-a-GCST90027161	9	132699702	T/C	0.988	0.012	-0.039	0.061	0.520	19.956
rs3825036	ebi-a-GCST90027161	11	61516476	G/A	0.849	0.151	-0.042	0.014	0.002	32.892
rs2227612	ebi-a-GCST90027161	1	173875401	T/G	0.887	0.113	-0.044	0.016	0.006	22.221
rs560115923	ebi-a-GCST90027161	13	33815822	C/T	0.980	0.020	-0.045	0.026	0.089	27.760
rs80270944	ebi-a-GCST90027161	4	81150998	T/C	0.942	0.058	-0.047	0.024	0.053	21.803
rs9935871	ebi-a-GCST90027161	16	49533384	G/A	0.917	0.083	-0.049	0.020	0.012	20.520
rs713666	ebi-a-GCST90027161	22	24955609	T/C	0.989	0.011	-0.068	0.054	0.208	31.923
rs112783594	ebi-a-GCST90027161	3	33495267	C/T	0.983	0.017	-0.073	0.044	0.098	21.722

Note: SNP: Single nucleotide polymorphism; Outcome: Outcome variable; CHR: Chromosome; POS: Position; EA: Effect allele; OA: Other allele; EAF: Effect allele frequency; β : Beta value; SE: Standard error of β ; P: P-value; F-statistic: F-statistic; MAF: Minor allele frequency; *: SNPs are sorted in descending order of β (allelic effect value).

4. Supplementary Table 1-2: MR Instrumental SNPs for Lipid Mediators in Atopic Dermatitis

SNP	Outcome	CHR	POS	EA/OA	EAF	MAF	β^*	SE	P	F-statistic
18:2, linoleic acid (LA) id:met-c-893										
rs99780	ebi-a-GCST90027161	11	61596633	T/C	0.372	0.372	0.033	0.010	0.001	141.517
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	22.611
rs1800588	ebi-a-GCST90027161	15	58723675	T/C	0.230	0.230	0.015	0.012	0.193	79.776
rs60960220	ebi-a-GCST90027161	2	102084826	G/A	0.074	0.074	0.014	0.019	0.478	20.074
rs76246956	ebi-a-GCST90027161	4	74783906	A/G	0.028	0.028	0.012	0.030	0.695	25.655
rs11117263	ebi-a-GCST90027161	16	87269044	G/T	0.119	0.119	0.009	0.016	0.589	20.915
rs71652338	ebi-a-GCST90027161	1	25112171	T/C	0.294	0.294	0.003	0.011	0.776	20.978
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	32.773
rs2270925	ebi-a-GCST90027161	5	156482099	C/T	0.644	0.356	-0.001	0.011	0.962	20.387
rs9306419	ebi-a-GCST90027161	22	26369358	T/C	0.145	0.145	-0.001	0.014	0.926	21.049
rs6543521	ebi-a-GCST90027161	2	240226642	G/T	0.812	0.188	-0.003	0.013	0.849	22.316
rs112784971	ebi-a-GCST90027161	8	59406490	T/C	0.064	0.064	-0.007	0.020	0.736	20.164
rs62281961	ebi-a-GCST90027161	3	140964609	A/G	0.024	0.024	-0.007	0.036	0.850	20.966
rs10841407	ebi-a-GCST90027161	12	20073426	T/C	0.339	0.339	-0.008	0.011	0.481	21.013
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	26.891
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	41.936
rs6558405	ebi-a-GCST90027161	8	144991176	C/T	0.417	0.417	-0.010	0.010	0.323	23.023
rs174418	ebi-a-GCST90027161	15	58687603	C/T	0.589	0.412	-0.015	0.010	0.162	47.118
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	55.164
rs1547615	ebi-a-GCST90027161	6	116985976	G/T	0.210	0.210	-0.016	0.012	0.180	21.730
rs17699030	ebi-a-GCST90027161	19	11330942	G/A	0.044	0.044	-0.019	0.022	0.394	28.615
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	38.759
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	33.898
rs17414716	ebi-a-GCST90027161	1	55759138	G/A	0.015	0.015	-0.034	0.038	0.364	62.998
rs76366838	ebi-a-GCST90027161	19	45399896	A/G	0.025	0.025	-0.044	0.032	0.171	33.512
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	109.069
rs144723570	ebi-a-GCST90027161	21	45244466	T/C	0.015	0.015	-0.068	0.045	0.131	30.892
22:6, docosahexaenoic acid id:met-c-852										
rs330242	ebi-a-GCST90027161	3	3571258	G/A	0.853	0.147	0.030	0.016	0.051	20.488

rs11604424	ebi-a-GCST90027161	11	116651115	T/C	0.780	0.220	0.014	0.012	0.232	34.059
rs6679559	ebi-a-GCST90027161	1	63541253	T/C	0.366	0.366	0.010	0.011	0.357	20.912
rs6744096	ebi-a-GCST90027161	2	80632556	C/T	0.111	0.111	0.009	0.016	0.558	22.407
rs145717049	ebi-a-GCST90027161	19	19130096	T/C	0.025	0.025	0.005	0.030	0.858	37.777
rs10062458	ebi-a-GCST90027161	5	156367092	C/T	0.655	0.345	0.003	0.011	0.797	20.283
rs2141922	ebi-a-GCST90027161	2	11016393	A/G	0.643	0.357	0.003	0.011	0.809	26.187
rs11828709	ebi-a-GCST90027161	11	70992200	G/A	0.147	0.147	-0.001	0.014	0.952	26.640
rs680442	ebi-a-GCST90027161	1	77093010	T/C	0.431	0.431	-0.002	0.010	0.853	20.537
rs17408590	ebi-a-GCST90027161	1	165567153	G/A	0.021	0.021	-0.007	0.034	0.849	20.855
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	21.941
rs7713942	ebi-a-GCST90027161	5	177070018	G/A	0.101	0.101	-0.010	0.017	0.546	20.820
rs174418	ebi-a-GCST90027161	15	58687603	C/T	0.589	0.412	-0.015	0.010	0.162	26.388
rs9308453	ebi-a-GCST90027161	1	9503644	G/A	0.424	0.424	-0.019	0.010	0.061	24.141
rs4849838	ebi-a-GCST90027161	2	120993704	A/G	0.559	0.441	-0.021	0.010	0.040	20.456
rs138684900	ebi-a-GCST90027161	1	52035376	T/C	0.020	0.020	-0.034	0.037	0.357	20.885
rs2281591	ebi-a-GCST90027161	6	10990493	G/A	0.192	0.192	-0.036	0.013	0.008	35.572
Acetylcarnitine										
rs79785323	ebi-a-GCST90027161	2	109480050	A/G	0.934	0.066	0.045	0.019	0.016	21.463
rs149235996	ebi-a-GCST90027161	5	150719909	A/G	0.991	0.009	0.041	0.058	0.479	35.289
rs10201552	ebi-a-GCST90027161	2	130145729	A/G	0.027	0.027	0.037	0.028	0.195	21.066
rs75615732	ebi-a-GCST90027161	8	9219869	A/G	0.121	0.121	0.030	0.015	0.050	23.424
rs61888292	ebi-a-GCST90027161	11	33555377	A/G	0.014	0.014	0.030	0.050	0.553	20.340
rs2350209	ebi-a-GCST90027161	11	26359973	T/C	0.425	0.425	0.012	0.010	0.264	22.065
rs5764662	ebi-a-GCST90027161	22	44647223	T/G	0.136	0.136	0.009	0.015	0.559	20.291
rs71479854	ebi-a-GCST90027161	10	13973893	A/G	0.589	0.411	0.005	0.010	0.628	19.983
rs6517046	ebi-a-GCST90027161	21	32926897	T/C	0.274	0.274	0.004	0.011	0.709	29.133
rs1171617	ebi-a-GCST90027161	10	61467182	T/G	0.799	0.201	0.004	0.013	0.779	297.067
rs7332168	ebi-a-GCST90027161	13	109804318	A/G	0.147	0.147	0.001	0.015	0.941	22.090
rs17109898	ebi-a-GCST90027161	12	71971313	A/G	0.900	0.101	0.001	0.015	0.952	20.738
rs7232855	ebi-a-GCST90027161	18	75365850	T/C	0.375	0.375	0.001	0.010	0.947	19.753
rs4693981	ebi-a-GCST90027161	4	89917563	T/C	0.310	0.310	-0.001	0.011	0.952	19.858
rs12148295	ebi-a-GCST90027161	15	40496473	T/C	0.028	0.028	-0.002	0.028	0.958	19.777
rs3799926	ebi-a-GCST90027161	6	14119344	A/G	0.531	0.470	-0.002	0.010	0.835	25.000

rs77149384	ebi-a-GCST90027161	12	71837319	T/C	0.984	0.016	-0.004	0.042	0.933	21.881
rs117872968	ebi-a-GCST90027161	11	76013212	A/G	0.038	0.038	-0.004	0.028	0.897	20.167
rs61020163	ebi-a-GCST90027161	4	132443106	T/C	0.836	0.164	-0.006	0.014	0.681	20.227
rs1428211	ebi-a-GCST90027161	5	33047414	T/C	0.520	0.481	-0.009	0.010	0.360	20.311
rs1056901	ebi-a-GCST90027161	10	102123504	T/C	0.064	0.064	-0.010	0.022	0.640	22.808
rs28551583	ebi-a-GCST90027161	5	131414650	T/C	0.024	0.024	-0.020	0.035	0.573	26.034
rs2126845	ebi-a-GCST90027161	3	162245886	A/G	0.360	0.360	-0.020	0.011	0.053	22.041
rs76165091	ebi-a-GCST90027161	15	23783070	T/C	0.892	0.108	-0.042	0.017	0.011	19.691
rs11756046	ebi-a-GCST90027161	6	86864593	T/G	0.016	0.016	-0.055	0.047	0.243	20.747
rs143841106	ebi-a-GCST90027161	13	25047446	T/C	0.016	0.016	-0.081	0.050	0.104	20.652

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rs10219499	ebi-a-GCST90027161	12	41157662	A/G	0.011	0.011	0.096	0.053	0.066	20.496
rs118078732	ebi-a-GCST90027161	6	74851060	T/C	0.016	0.016	0.064	0.038	0.093	21.053
rs7232331	ebi-a-GCST90027161	18	47886810	C/T	0.013	0.013	0.044	0.037	0.238	24.501
rs11632618	ebi-a-GCST90027161	15	58724706	A/G	0.060	0.060	0.036	0.023	0.118	52.272
rs4910526	ebi-a-GCST90027161	11	4713651	C/T	0.106	0.106	0.035	0.018	0.047	19.923
rs1800961	ebi-a-GCST90027161	20	43042364	T/C	0.035	0.035	0.021	0.027	0.432	23.039
rs78383009	ebi-a-GCST90027161	10	49914012	G/A	0.022	0.022	0.019	0.037	0.602	21.292
rs10514065	ebi-a-GCST90027161	5	75675319	T/G	0.330	0.330	0.015	0.011	0.183	21.930
rs7945183	ebi-a-GCST90027161	11	127206196	G/A	0.041	0.041	0.012	0.026	0.638	20.055
rs181835401	ebi-a-GCST90027161	1	63135955	A/G	0.318	0.318	0.011	0.011	0.315	20.903
rs2849049	ebi-a-GCST90027161	9	15301428	A/C	0.345	0.345	0.011	0.011	0.314	28.242
rs17347152	ebi-a-GCST90027161	2	213190035	C/T	0.132	0.132	0.009	0.014	0.531	24.027
rs261291	ebi-a-GCST90027161	15	58680178	C/T	0.362	0.362	0.005	0.011	0.635	175.132
rs4601885	ebi-a-GCST90027161	12	125352603	C/T	0.366	0.366	0.005	0.011	0.655	29.138
rs7810755	ebi-a-GCST90027161	7	120888382	G/A	0.334	0.334	0.004	0.011	0.704	20.455
rs6598488	ebi-a-GCST90027161	15	102067600	G/A	0.703	0.297	0.003	0.011	0.803	25.370
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	22.387
rs1883025	ebi-a-GCST90027161	9	107664301	T/C	0.226	0.226	-0.002	0.013	0.862	35.922
rs7187289	ebi-a-GCST90027161	16	67967878	C/A	0.178	0.178	-0.004	0.013	0.780	29.033
rs2837984	ebi-a-GCST90027161	21	42617037	T/G	0.670	0.330	-0.005	0.011	0.657	23.457
rs2278426	ebi-a-GCST90027161	19	11350488	T/C	0.050	0.050	-0.009	0.021	0.681	25.392
rs168618	ebi-a-GCST90027161	1	226057816	A/G	0.654	0.346	-0.012	0.011	0.266	25.716

rs113209488	ebi-a-GCST90027161	12	108576202	T/C	0.026	0.026	-0.013	0.032	0.692	20.672
rs10068466	ebi-a-GCST90027161	5	141524612	T/C	0.300	0.300	-0.015	0.011	0.176	23.187
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	284.789
rs6494025	ebi-a-GCST90027161	15	58876786	T/C	0.033	0.033	-0.025	0.028	0.366	38.172
rs11654217	ebi-a-GCST90027161	17	45531884	G/T	0.199	0.199	-0.026	0.013	0.046	20.674
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	33.805
rs146929169	ebi-a-GCST90027161	13	112250845	A/G	0.023	0.023	-0.029	0.034	0.389	21.011
rs1461729	ebi-a-GCST90027161	8	9187242	G/A	0.882	0.118	-0.031	0.016	0.049	32.312
rs17120244	ebi-a-GCST90027161	11	116919511	T/C	0.198	0.198	-0.033	0.012	0.008	29.206
rs111543310	ebi-a-GCST90027161	15	59531818	C/T	0.025	0.025	-0.048	0.034	0.157	25.135

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rs143473297	ebi-a-GCST90027161	19	45393352	C/T	0.014	0.014	0.082	0.037	0.026	26.095
rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	29.230
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	27.378
rs2366843	ebi-a-GCST90027161	3	192314350	T/C	0.213	0.213	0.019	0.016	0.236	20.203
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	33.804
rs4624874	ebi-a-GCST90027161	6	100257019	G/A	0.013	0.013	0.012	0.039	0.755	20.710
rs72963794	ebi-a-GCST90027161	2	128590472	A/G	0.126	0.126	0.012	0.016	0.440	24.958
rs185670871	ebi-a-GCST90027161	3	8757944	C/T	0.041	0.041	0.012	0.024	0.625	21.190
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	34.400
rs13280230	ebi-a-GCST90027161	8	105822000	T/C	0.296	0.296	0.007	0.011	0.541	23.624
rs10110183	ebi-a-GCST90027161	8	59389846	C/T	0.259	0.259	0.006	0.012	0.612	28.047
rs6100466	ebi-a-GCST90027161	20	58073920	G/A	0.701	0.299	0.004	0.012	0.737	21.080
rs115993808	ebi-a-GCST90027161	2	23794857	A/G	0.014	0.014	0.004	0.044	0.932	21.673
rs1367117	ebi-a-GCST90027161	2	21263900	A/G	0.310	0.310	0.004	0.011	0.741	94.610
rs11728937	ebi-a-GCST90027161	4	63859106	G/A	0.060	0.060	0.003	0.023	0.902	25.729
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	61.261
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	32.053
rs58198139	ebi-a-GCST90027161	5	156399039	T/C	0.643	0.357	0.002	0.011	0.881	28.750
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	21.054
rs3185010	ebi-a-GCST90027161	19	11275842	A/G	0.318	0.318	-0.001	0.011	0.900	21.344
rs2980875	ebi-a-GCST90027161	8	126481747	G/A	0.477	0.477	-0.002	0.010	0.869	48.614
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	58.639

rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	22.403
rs4971525	ebi-a-GCST90027161	2	20897345	C/T	0.384	0.384	-0.005	0.010	0.659	20.479
rs4918809	ebi-a-GCST90027161	10	115063701	T/C	0.052	0.052	-0.005	0.024	0.825	20.279
rs4620726	ebi-a-GCST90027161	11	67403833	C/T	0.806	0.194	-0.005	0.013	0.674	23.776
rs2495477	ebi-a-GCST90027161	1	55518467	G/A	0.414	0.414	-0.007	0.010	0.488	31.588
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	20.277
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	54.546
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	41.293
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	26.190
rs11081037	ebi-a-GCST90027161	18	3353012	G/A	0.524	0.476	-0.009	0.011	0.403	25.403
rs1349326	ebi-a-GCST90027161	11	10376420	A/G	0.846	0.154	-0.010	0.014	0.483	21.665
rs10244139	ebi-a-GCST90027161	7	100897350	G/A	0.053	0.053	-0.010	0.023	0.657	20.455
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	153.933
rs10056811	ebi-a-GCST90027161	5	74605220	A/G	0.346	0.346	-0.015	0.011	0.156	65.852
rs2072931	ebi-a-GCST90027161	1	25747399	T/G	0.551	0.449	-0.015	0.010	0.131	21.481
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	142.188
rs4729666	ebi-a-GCST90027161	7	100803161	T/C	0.216	0.216	-0.019	0.012	0.130	20.918
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	37.210
rs2737637	ebi-a-GCST90027161	1	200172292	C/T	0.946	0.054	-0.020	0.025	0.407	20.650
rs183130	ebi-a-GCST90027161	16	56991363	T/C	0.308	0.308	-0.022	0.011	0.047	23.415
rs9619229	ebi-a-GCST90027161	22	32118235	A/G	0.072	0.072	-0.023	0.020	0.252	21.861
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	32.219
rs138607350	ebi-a-GCST90027161	19	45363820	G/T	0.014	0.014	-0.030	0.037	0.430	22.865
rs1081105	ebi-a-GCST90027161	19	45412955	C/A	0.026	0.026	-0.049	0.032	0.118	32.191
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	270.854
rs117466392	ebi-a-GCST90027161	10	8996047	A/G	0.013	0.013	-0.063	0.035	0.073	20.359
mber of double bonds in a fatty acid chain i										
rs79924957	ebi-a-GCST90027161	14	31317190	G/A	0.024	0.024	0.050	0.034	0.143	21.274
rs140464560	ebi-a-GCST90027161	13	86326376	A/G	0.019	0.019	0.048	0.039	0.214	21.775
rs3741252	ebi-a-GCST90027161	11	61511498	T/C	0.085	0.085	0.047	0.017	0.006	33.166
rs7936002	ebi-a-GCST90027161	11	62219029	G/A	0.237	0.237	0.025	0.012	0.045	22.134
rs12226389	ebi-a-GCST90027161	11	61823630	C/T	0.183	0.183	0.016	0.013	0.239	37.594
rs9321515	ebi-a-GCST90027161	6	99834929	T/C	0.531	0.469	0.011	0.010	0.274	20.718

rs145717049	ebi-a-GCST90027161	19	19130096	T/C	0.025	0.025	0.005	0.030	0.858	21.642
rs11644601	ebi-a-GCST90027161	16	15172118	C/T	0.282	0.282	0.002	0.012	0.854	32.693
rs1191973	ebi-a-GCST90027161	2	142765788	C/T	0.609	0.391	0.002	0.011	0.878	21.358
rs10920041	ebi-a-GCST90027161	1	188766539	T/G	0.535	0.465	0.001	0.011	0.897	23.441
rs2076993	ebi-a-GCST90027161	3	24650294	C/A	0.392	0.392	0.001	0.010	0.925	21.877
rs10178407	ebi-a-GCST90027161	2	29717847	T/C	0.386	0.386	0.001	0.010	0.941	20.462
rs11744594	ebi-a-GCST90027161	5	115849557	A/G	0.027	0.027	0.001	0.032	0.980	19.550
rs11687599	ebi-a-GCST90027161	2	137178771	A/G	0.708	0.292	-0.001	0.011	0.924	24.451
rs10840181	ebi-a-GCST90027161	11	9174322	A/G	0.184	0.184	-0.003	0.013	0.814	22.799
rs10023064	ebi-a-GCST90027161	4	66783283	G/A	0.627	0.373	-0.006	0.011	0.600	21.901
rs599839	ebi-a-GCST90027161	1	109822166	A/G	0.774	0.226	-0.006	0.012	0.632	27.473
rs11627342	ebi-a-GCST90027161	14	107131839	G/A	0.259	0.259	-0.007	0.012	0.567	20.822
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	23.436
rs10744608	ebi-a-GCST90027161	12	3510079	A/G	0.532	0.468	-0.008	0.010	0.423	21.656
rs10015477	ebi-a-GCST90027161	4	87814053	A/G	0.373	0.373	-0.011	0.011	0.313	20.557
rs35418847	ebi-a-GCST90027161	4	186525785	T/C	0.035	0.035	-0.021	0.024	0.372	22.001
rs79309694	ebi-a-GCST90027161	5	160207875	A/G	0.018	0.018	-0.040	0.049	0.410	24.650

Number of methylene groups in a fatty acid chain

rs41501646	ebi-a-GCST90027161	11	62188072	G/A	0.015	0.015	0.111	0.047	0.017	28.012
rs1793602	ebi-a-GCST90027161	11	131033190	C/A	0.061	0.061	0.047	0.021	0.024	20.555
rs139872716	ebi-a-GCST90027161	11	60958040	A/G	0.044	0.044	0.034	0.023	0.151	24.848
rs75679663	ebi-a-GCST90027161	17	4667972	A/C	0.014	0.014	0.026	0.043	0.537	47.105
rs115699185	ebi-a-GCST90027161	2	154460805	A/G	0.025	0.025	0.025	0.032	0.436	21.373
rs75912392	ebi-a-GCST90027161	19	35436678	T/C	0.025	0.025	0.023	0.035	0.513	19.969
rs397650	ebi-a-GCST90027161	3	148328996	G/A	0.890	0.110	0.023	0.016	0.158	19.544
rs6693644	ebi-a-GCST90027161	1	66990824	G/A	0.513	0.487	0.018	0.010	0.079	25.374
rs12226389	ebi-a-GCST90027161	11	61823630	C/T	0.183	0.183	0.016	0.013	0.239	38.828
rs6022077	ebi-a-GCST90027161	20	51379129	T/C	0.158	0.158	0.011	0.014	0.456	20.508
rs6748365	ebi-a-GCST90027161	2	4983257	C/T	0.846	0.154	0.002	0.014	0.876	19.565
rs116320564	ebi-a-GCST90027161	1	94087736	A/G	0.022	0.022	0.000	0.034	0.994	20.695
rs1475519	ebi-a-GCST90027161	14	57121754	A/G	0.793	0.207	-0.005	0.012	0.698	24.601
rs36633	ebi-a-GCST90027161	19	54646290	C/T	0.520	0.480	-0.006	0.010	0.550	20.410
rs10485369	ebi-a-GCST90027161	6	93690281	C/T	0.202	0.202	-0.009	0.012	0.448	20.727

rs780093	ebi-a-GCST90027161	2	27742603	C/T	0.628	0.372	-0.011	0.011	0.318	22.648
rs12552250	ebi-a-GCST90027161	9	121076460	A/G	0.278	0.278	-0.012	0.012	0.292	19.557
rs117879159	ebi-a-GCST90027161	7	62030683	A/C	0.110	0.110	-0.017	0.016	0.289	23.391
rs9350361	ebi-a-GCST90027161	6	21470807	A/G	0.297	0.297	-0.018	0.012	0.110	21.413
rs149132626	ebi-a-GCST90027161	14	103937989	T/G	0.026	0.026	-0.079	0.031	0.010	25.706
Number of methylene groups per double bond 										
rs41501646	ebi-a-GCST90027161	11	62188072	G/A	0.015	0.015	0.111	0.047	0.017	27.757
rs79924957	ebi-a-GCST90027161	14	31317190	G/A	0.024	0.024	0.050	0.034	0.143	26.386
rs140464560	ebi-a-GCST90027161	13	86326376	A/G	0.019	0.019	0.048	0.039	0.214	23.554
rs115506472	ebi-a-GCST90027161	6	55792434	A/G	0.031	0.031	0.030	0.027	0.263	22.429
rs12226389	ebi-a-GCST90027161	11	61823630	C/T	0.183	0.183	0.016	0.013	0.239	54.291
rs10495	ebi-a-GCST90027161	8	26515472	A/G	0.121	0.121	0.013	0.015	0.397	20.182
rs13190246	ebi-a-GCST90027161	5	34579160	G/A	0.102	0.102	0.012	0.017	0.492	20.427
rs145717049	ebi-a-GCST90027161	19	19130096	T/C	0.025	0.025	0.005	0.030	0.858	21.701
rs11808387	ebi-a-GCST90027161	1	187255531	A/G	0.471	0.471	0.004	0.010	0.707	20.233
rs1669120	ebi-a-GCST90027161	22	22031355	A/G	0.258	0.258	0.000	0.012	0.975	20.623
rs17097692	ebi-a-GCST90027161	10	120218189	G/A	0.101	0.101	-0.001	0.019	0.972	20.376
rs1333323	ebi-a-GCST90027161	1	190267225	C/A	0.535	0.465	-0.001	0.010	0.933	19.772
rs34955778	ebi-a-GCST90027161	16	15139594	C/T	0.436	0.436	-0.002	0.010	0.853	38.070
rs35358959	ebi-a-GCST90027161	1	109824250	A/G	0.102	0.102	-0.002	0.016	0.903	26.842
rs56759062	ebi-a-GCST90027161	18	37426101	A/C	0.554	0.446	-0.002	0.010	0.850	22.871
rs10193405	ebi-a-GCST90027161	2	137178076	A/G	0.709	0.291	-0.002	0.011	0.826	21.253
rs13432702	ebi-a-GCST90027161	2	29720930	A/G	0.259	0.259	-0.004	0.012	0.747	27.423
rs12642098	ebi-a-GCST90027161	4	66743967	T/C	0.554	0.446	-0.005	0.010	0.637	20.783
rs67525698	ebi-a-GCST90027161	12	31169335	C/A	0.013	0.013	-0.009	0.042	0.832	20.510
rs140275957	ebi-a-GCST90027161	17	45863404	T/C	0.024	0.024	-0.064	0.029	0.028	21.603
Butenylcarnitine										
rs187749566	ebi-a-GCST90027161	4	5207461	A/G	0.977	0.023	0.051	0.035	0.148	19.673
rs183341403	ebi-a-GCST90027161	7	130654501	A/G	0.001	0.001	0.040	0.123	0.745	20.288
rs138833051	ebi-a-GCST90027161	2	189176854	T/C	0.986	0.014	0.023	0.050	0.647	19.578
rs10973446	ebi-a-GCST90027161	9	37638744	A/G	0.615	0.385	0.021	0.011	0.046	20.135
rs56370353	ebi-a-GCST90027161	3	37664968	A/C	0.123	0.123	0.018	0.019	0.341	21.588
rs61901194	ebi-a-GCST90027161	11	112506785	T/C	0.779	0.221	0.014	0.012	0.245	20.322

rs148580084	ebi-a-GCST90027161	3	21867659	A/C	0.039	0.039	0.010	0.025	0.685	21.428
rs116169249	ebi-a-GCST90027161	1	241925330	A/C	0.971	0.029	0.010	0.031	0.746	20.732
rs375057	ebi-a-GCST90027161	21	16601475	A/G	0.512	0.488	0.007	0.010	0.502	20.629
rs141163301	ebi-a-GCST90027161	2	25487200	T/C	0.044	0.044	0.005	0.022	0.809	19.560
rs7543636	ebi-a-GCST90027161	1	81829470	A/C	0.053	0.053	0.005	0.024	0.826	22.425
rs116884869	ebi-a-GCST90027161	7	50623853	A/G	0.024	0.024	-0.002	0.031	0.958	20.647
rs73213934	ebi-a-GCST90027161	21	20898057	T/C	0.107	0.107	-0.015	0.015	0.342	25.369
rs2162264	ebi-a-GCST90027161	8	3852089	A/G	0.791	0.209	-0.018	0.013	0.146	20.201
rs17214875	ebi-a-GCST90027161	2	204987949	A/G	0.289	0.289	-0.024	0.011	0.029	19.941
rs113699661	ebi-a-GCST90027161	10	3901008	A/G	0.009	0.009	-0.031	0.047	0.510	20.464
rs145468963	ebi-a-GCST90027161	9	133306402	T/G	0.030	0.030	-0.050	0.028	0.076	21.736
rs118000367	ebi-a-GCST90027161	17	1565211	T/C	0.973	0.027	-0.086	0.032	0.007	19.783
Butyrylcarnitine										
rs72796561	ebi-a-GCST90027161	5	108422729	T/C	0.035	0.035	0.072	0.031	0.019	19.682
rs72817125	ebi-a-GCST90027161	16	54594295	T/G	0.060	0.060	0.027	0.023	0.248	27.143
rs6830475	ebi-a-GCST90027161	4	159076679	A/C	0.544	0.457	0.019	0.010	0.062	20.405
rs78027553	ebi-a-GCST90027161	7	50663819	T/G	0.208	0.208	0.011	0.012	0.392	21.422
rs34030923	ebi-a-GCST90027161	1	7001308	A/G	0.349	0.349	0.009	0.011	0.427	23.381
rs2456045	ebi-a-GCST90027161	15	76489917	A/G	0.453	0.453	0.008	0.010	0.446	62.909
rs6882168	ebi-a-GCST90027161	5	39402647	T/C	0.356	0.356	0.006	0.011	0.567	20.773
rs112719377	ebi-a-GCST90027161	6	13732948	T/C	0.024	0.024	0.006	0.031	0.850	24.779
rs11077779	ebi-a-GCST90027161	17	73196329	T/C	0.756	0.244	0.003	0.012	0.784	23.713
rs1171615	ebi-a-GCST90027161	10	61469090	T/C	0.801	0.199	0.001	0.013	0.915	188.826
rs4594220	ebi-a-GCST90027161	15	82118252	T/C	0.302	0.302	0.000	0.011	0.977	22.886
rs6949242	ebi-a-GCST90027161	7	83880421	T/C	0.180	0.180	-0.002	0.013	0.872	22.252
rs680392	ebi-a-GCST90027161	2	240139680	T/C	0.926	0.074	-0.002	0.020	0.911	19.947
rs7147284	ebi-a-GCST90027161	14	96735877	T/C	0.396	0.396	-0.004	0.011	0.740	21.995
rs61705694	ebi-a-GCST90027161	8	128876876	T/C	0.129	0.129	-0.004	0.015	0.810	20.854
rs1308794	ebi-a-GCST90027161	1	18110878	T/C	0.618	0.383	-0.004	0.011	0.730	19.636
rs117499428	ebi-a-GCST90027161	15	62035847	A/G	0.032	0.032	-0.004	0.027	0.878	26.632
rs9364559	ebi-a-GCST90027161	6	160976148	A/G	0.807	0.194	-0.005	0.013	0.728	31.603
rs111524607	ebi-a-GCST90027161	12	121103023	T/C	0.301	0.301	-0.013	0.011	0.236	1312.599
rs80254170	ebi-a-GCST90027161	6	160514283	A/G	0.921	0.079	-0.019	0.018	0.303	141.970

rs62216003	ebi-a-GCST90027161	21	19945057	A/C	0.866	0.134	-0.026	0.016	0.103	21.569
rs181058197	ebi-a-GCST90027161	4	159403950	A/C	0.020	0.020	-0.034	0.048	0.479	22.840
rs141664506	ebi-a-GCST90027161	2	241198970	A/C	0.032	0.032	-0.038	0.028	0.176	19.952
rs17446500	ebi-a-GCST90027161	9	93053356	T/C	0.973	0.027	-0.053	0.036	0.135	19.721
Carnitine										
rs12184347	ebi-a-GCST90027161	10	61065168	A/G	0.016	0.016	0.064	0.042	0.124	35.585
rs6002817	ebi-a-GCST90027161	22	43014467	T/C	0.154	0.154	0.032	0.018	0.080	22.085
rs10124517	ebi-a-GCST90027161	9	96319694	A/G	0.028	0.028	0.018	0.030	0.535	20.845
rs1504613	ebi-a-GCST90027161	14	57452153	A/C	0.656	0.344	0.012	0.011	0.286	21.993
rs55661368	ebi-a-GCST90027161	17	19427601	A/C	0.345	0.345	0.007	0.011	0.533	19.665
rs1171615	ebi-a-GCST90027161	10	61469090	T/C	0.801	0.199	0.001	0.013	0.915	698.055
rs114249105	ebi-a-GCST90027161	2	186474504	T/G	0.972	0.028	-0.002	0.028	0.934	20.400
rs7622562	ebi-a-GCST90027161	3	153857679	A/G	0.483	0.483	-0.003	0.010	0.787	23.862
rs11239549	ebi-a-GCST90027161	10	46018831	A/G	0.743	0.257	-0.006	0.011	0.598	37.278
rs151189490	ebi-a-GCST90027161	6	39995000	A/G	0.957	0.043	-0.006	0.023	0.782	19.761
rs3905431	ebi-a-GCST90027161	11	95714113	T/C	0.087	0.087	-0.008	0.017	0.648	19.636
rs4822081	ebi-a-GCST90027161	22	42406788	T/C	0.241	0.241	-0.011	0.013	0.395	20.399
rs80285133	ebi-a-GCST90027161	5	129327840	T/C	0.016	0.016	-0.011	0.062	0.857	25.474
rs184638264	ebi-a-GCST90027161	10	61690536	T/C	0.090	0.090	-0.017	0.018	0.369	21.587
rs609659	ebi-a-GCST90027161	5	72411800	A/G	0.547	0.454	-0.017	0.010	0.099	22.234
rs73104359	ebi-a-GCST90027161	2	239126686	A/C	0.016	0.016	-0.017	0.043	0.691	20.614
rs76848672	ebi-a-GCST90027161	16	55764602	A/C	0.008	0.008	-0.023	0.085	0.785	24.952
rs145996914	ebi-a-GCST90027161	13	32814566	T/G	0.014	0.014	-0.026	0.048	0.587	22.093
rs9580401	ebi-a-GCST90027161	13	23132402	A/C	0.980	0.020	-0.037	0.043	0.381	20.099
rs77010315	ebi-a-GCST90027161	5	150723155	A/C	0.009	0.009	-0.040	0.058	0.493	62.424
rs144874155	ebi-a-GCST90027161	4	85263256	A/G	0.992	0.008	-0.041	0.066	0.541	19.672
rs75566209	ebi-a-GCST90027161	16	53763890	A/C	0.970	0.030	-0.056	0.031	0.069	21.892
rs76008642	ebi-a-GCST90027161	5	131646100	T/C	0.008	0.008	-0.150	0.071	0.035	83.954
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rs74957131	ebi-a-GCST90027161	16	84285738	T/C	0.040	0.040	0.042	0.030	0.168	20.660
rs11632618	ebi-a-GCST90027161	15	58724706	A/G	0.060	0.060	0.036	0.023	0.118	86.018
rs174529	ebi-a-GCST90027161	11	61543961	C/T	0.388	0.388	0.032	0.010	0.002	60.540
rs78383009	ebi-a-GCST90027161	10	49914012	G/A	0.022	0.022	0.019	0.037	0.602	20.685

rs67049067	ebi-a-GCST90027161	20	55251750	T/C	0.036	0.036	0.019	0.028	0.499	20.535
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	119.132
rs1689797	ebi-a-GCST90027161	1	182150978	A/C	0.317	0.317	0.018	0.011	0.109	25.279
rs632557	ebi-a-GCST90027161	1	230398102	G/A	0.937	0.063	0.017	0.020	0.411	26.110
rs40270	ebi-a-GCST90027161	5	55804552	C/A	0.745	0.255	0.016	0.011	0.174	24.000
rs7256730	ebi-a-GCST90027161	19	7208882	T/C	0.772	0.228	0.010	0.012	0.397	21.516
rs4149303	ebi-a-GCST90027161	9	107594515	G/A	0.110	0.110	0.010	0.017	0.560	23.921
rs261291	ebi-a-GCST90027161	15	58680178	C/T	0.362	0.362	0.005	0.011	0.635	291.339
rs1037791	ebi-a-GCST90027161	7	16824662	A/G	0.711	0.289	0.005	0.011	0.675	24.501
rs3741521	ebi-a-GCST90027161	12	125264293	A/G	0.638	0.362	0.005	0.011	0.670	23.915
rs10861970	ebi-a-GCST90027161	12	109221013	A/C	0.313	0.313	0.003	0.011	0.795	21.862
rs6905288	ebi-a-GCST90027161	6	43758873	A/G	0.569	0.431	0.003	0.010	0.794	21.371
rs1883025	ebi-a-GCST90027161	9	107664301	T/C	0.226	0.226	-0.002	0.013	0.862	30.185
rs682915	ebi-a-GCST90027161	11	86383994	C/T	0.396	0.396	-0.004	0.010	0.721	23.160
rs79868330	ebi-a-GCST90027161	7	96429682	T/C	0.020	0.020	-0.008	0.037	0.819	20.488
rs6544366	ebi-a-GCST90027161	2	21204025	T/G	0.247	0.247	-0.011	0.012	0.321	33.738
rs686030	ebi-a-GCST90027161	9	15304782	A/C	0.864	0.136	-0.014	0.015	0.339	23.693
rs3133431	ebi-a-GCST90027161	8	104058195	A/G	0.467	0.467	-0.015	0.014	0.307	24.290
rs4503368	ebi-a-GCST90027161	1	161190250	C/T	0.542	0.458	-0.015	0.010	0.135	21.083
rs117771152	ebi-a-GCST90027161	9	127059548	C/T	0.023	0.023	-0.016	0.034	0.636	20.056
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	335.737
rs6494025	ebi-a-GCST90027161	15	58876786	T/C	0.033	0.033	-0.025	0.028	0.366	81.694
rs2700831	ebi-a-GCST90027161	17	42041611	G/T	0.684	0.316	-0.025	0.011	0.024	20.623
rs12271743	ebi-a-GCST90027161	11	117026154	C/T	0.045	0.045	-0.027	0.023	0.243	23.593
rs111543310	ebi-a-GCST90027161	15	59531818	C/T	0.025	0.025	-0.048	0.034	0.157	48.447

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rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	34.256
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	25.461
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	40.343
rs28733017	ebi-a-GCST90027161	15	96890855	C/T	0.052	0.052	0.025	0.020	0.207	20.847
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	20.641
rs835616	ebi-a-GCST90027161	5	174863690	G/A	0.640	0.360	0.018	0.011	0.082	22.851
rs73066442	ebi-a-GCST90027161	7	21592973	G/A	0.251	0.251	0.017	0.012	0.132	33.540

rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	36.547
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	23.379
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	33.539
rs62120792	ebi-a-GCST90027161	2	21092488	C/T	0.111	0.111	0.006	0.015	0.706	38.115
rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	34.076
rs934197	ebi-a-GCST90027161	2	21267461	A/G	0.310	0.310	0.004	0.011	0.731	100.428
rs149623	ebi-a-GCST90027161	5	123073197	C/T	0.471	0.471	0.004	0.010	0.719	23.724
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	98.876
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	51.281
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	25.479
rs7095805	ebi-a-GCST90027161	10	14419103	A/C	0.423	0.423	0.001	0.010	0.921	22.441
rs6448772	ebi-a-GCST90027161	4	31410172	T/C	0.820	0.181	0.000	0.014	0.992	23.268
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	40.056
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	85.603
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	34.096
rs2965152	ebi-a-GCST90027161	19	45189000	A/G	0.438	0.438	-0.003	0.010	0.747	32.706
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	21.316
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	118.337
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	27.212
rs10244139	ebi-a-GCST90027161	7	100897350	G/A	0.053	0.053	-0.010	0.023	0.657	21.069
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	222.815
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	75.455
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	188.991
rs112635299	ebi-a-GCST90027161	14	94838142	T/G	0.020	0.020	-0.020	0.037	0.591	26.248
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	50.521
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	46.041
rs189592741	ebi-a-GCST90027161	1	54629968	A/G	0.013	0.013	-0.057	0.045	0.202	20.639
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	492.000
holesterol esters in large VLDL id:met-c-88										
rs187429064	ebi-a-GCST90027161	19	19380513	G/A	0.027	0.027	0.058	0.029	0.044	23.935
rs7123576	ebi-a-GCST90027161	11	47625046	T/C	0.029	0.029	0.046	0.035	0.188	25.754
rs4632702	ebi-a-GCST90027161	4	185242240	T/C	0.022	0.022	0.043	0.032	0.186	24.473
rs55901879	ebi-a-GCST90027161	5	994937	A/G	0.064	0.064	0.042	0.020	0.032	21.420

rs1569209	ebi-a-GCST90027161	8	19830170	G/T	0.071	0.071	0.034	0.022	0.115	81.399
rs55644928	ebi-a-GCST90027161	11	117303430	T/C	0.085	0.085	0.034	0.018	0.068	20.661
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	30.809
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	23.832
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	47.245
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	27.532
rs1464572	ebi-a-GCST90027161	2	45953910	T/C	0.405	0.405	0.009	0.010	0.361	23.431
rs633892	ebi-a-GCST90027161	11	117112630	C/A	0.434	0.434	0.008	0.010	0.414	30.169
rs11232119	ebi-a-GCST90027161	11	80120305	T/C	0.081	0.081	0.006	0.020	0.753	28.665
rs13130821	ebi-a-GCST90027161	4	140137638	C/T	0.337	0.337	0.004	0.011	0.721	22.207
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	33.404
rs3801748	ebi-a-GCST90027161	7	81759508	G/A	0.376	0.376	-0.003	0.010	0.765	21.869
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	59.904
rs7527004	ebi-a-GCST90027161	1	62972228	A/G	0.671	0.329	-0.010	0.011	0.346	49.332
rs72884948	ebi-a-GCST90027161	2	181214664	A/G	0.023	0.023	-0.013	0.044	0.777	20.109
rs77697917	ebi-a-GCST90027161	17	41840849	T/C	0.029	0.029	-0.018	0.030	0.547	32.927
rs3846662	ebi-a-GCST90027161	5	74651084	G/A	0.443	0.443	-0.019	0.010	0.067	24.145
rs2238682	ebi-a-GCST90027161	19	45458593	T/C	0.294	0.294	-0.019	0.011	0.080	21.229
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	54.452
rs483082	ebi-a-GCST90027161	19	45416178	T/G	0.235	0.235	-0.030	0.012	0.013	59.242
rs75346509	ebi-a-GCST90027161	2	177641832	G/A	0.030	0.030	-0.039	0.030	0.195	20.692
rs117680893	ebi-a-GCST90027161	14	100505047	A/G	0.043	0.043	-0.068	0.027	0.011	20.487
rs71392118	ebi-a-GCST90027161	16	65664206	C/T	0.017	0.017	-0.079	0.042	0.059	20.845

cholesterol esters in medium HDL || id:met-c-8

rs187749871	ebi-a-GCST90027161	7	116638232	A/G	0.011	0.011	0.106	0.068	0.121	25.704
rs77322919	ebi-a-GCST90027161	4	136047307	G/A	0.147	0.147	0.037	0.015	0.013	21.261
rs6073966	ebi-a-GCST90027161	20	44570192	T/C	0.156	0.156	0.036	0.014	0.012	35.369
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	26.200
rs80263864	ebi-a-GCST90027161	5	25658571	T/C	0.031	0.031	0.022	0.031	0.478	21.324
rs17347152	ebi-a-GCST90027161	2	213190035	C/T	0.132	0.132	0.009	0.014	0.531	21.350
rs11114074	ebi-a-GCST90027161	12	109260526	A/G	0.285	0.285	0.007	0.011	0.525	24.338
rs10804330	ebi-a-GCST90027161	2	227185749	C/T	0.434	0.434	0.006	0.010	0.594	22.577
rs1367117	ebi-a-GCST90027161	2	21263900	A/G	0.310	0.310	0.004	0.011	0.741	33.343

rs79363762	ebi-a-GCST90027161	16	8586633	C/T	0.087	0.087	0.001	0.017	0.956	21.693
rs117602166	ebi-a-GCST90027161	11	84631491	C/T	0.015	0.015	-0.005	0.038	0.898	21.998
rs55876960	ebi-a-GCST90027161	11	9637991	G/A	0.227	0.227	-0.009	0.012	0.450	20.503
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	198.497
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	20.977
rs142685175	ebi-a-GCST90027161	6	82461936	A/G	0.039	0.039	-0.029	0.032	0.359	20.985
rs2126259	ebi-a-GCST90027161	8	9185146	C/T	0.882	0.118	-0.031	0.016	0.047	35.834
rs62135070	ebi-a-GCST90027161	19	47615835	T/C	0.053	0.053	-0.039	0.022	0.082	20.348

cholesterol esters in medium LDL || id:met-c-9

rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	33.412
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	22.627
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	37.389
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	20.264
rs835616	ebi-a-GCST90027161	5	174863690	G/A	0.640	0.360	0.018	0.011	0.082	22.936
rs73066442	ebi-a-GCST90027161	7	21592973	G/A	0.251	0.251	0.017	0.012	0.132	31.800
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	46.377
rs4624874	ebi-a-GCST90027161	6	100257019	G/A	0.013	0.013	0.012	0.039	0.755	20.296
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	23.879
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	29.459
rs62120792	ebi-a-GCST90027161	2	21092488	C/T	0.111	0.111	0.006	0.015	0.706	33.296
rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	33.367
rs147097143	ebi-a-GCST90027161	17	60238774	T/C	0.007	0.007	0.005	0.071	0.949	22.018
rs148436988	ebi-a-GCST90027161	8	59520745	T/C	0.009	0.009	0.004	0.059	0.947	20.268
rs934197	ebi-a-GCST90027161	2	21267461	A/G	0.310	0.310	0.004	0.011	0.731	96.742
rs149623	ebi-a-GCST90027161	5	123073197	C/T	0.471	0.471	0.004	0.010	0.719	20.858
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	93.405
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	59.885
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	28.953
rs6448772	ebi-a-GCST90027161	4	31410172	T/C	0.820	0.181	0.000	0.014	0.992	23.514
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	43.561
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	78.376
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	31.689
rs2965152	ebi-a-GCST90027161	19	45189000	A/G	0.438	0.438	-0.003	0.010	0.747	31.251

rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	22.065
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	116.086
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	25.690
rs10244139	ebi-a-GCST90027161	7	100897350	G/A	0.053	0.053	-0.010	0.023	0.657	21.719
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	212.365
rs2834153	ebi-a-GCST90027161	21	34588494	C/T	0.509	0.491	-0.014	0.010	0.169	20.257
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	72.754
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	179.795
rs486467	ebi-a-GCST90027161	13	80952612	C/A	0.315	0.315	-0.017	0.011	0.131	20.418
rs112635299	ebi-a-GCST90027161	14	94838142	T/G	0.020	0.020	-0.020	0.037	0.591	34.941
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	51.260
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	53.886
rs12570792	ebi-a-GCST90027161	10	18847594	C/A	0.340	0.340	-0.028	0.011	0.010	20.495
rs117673009	ebi-a-GCST90027161	16	29971781	A/G	0.015	0.015	-0.056	0.048	0.239	20.741
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	448.725
rs116319294	ebi-a-GCST90027161	4	71236061	T/C	0.019	0.019	-0.063	0.036	0.084	22.883

olesterol esters in medium VLDL || id:met-c-

rs117186462	ebi-a-GCST90027161	19	20471321	A/G	0.015	0.015	0.046	0.039	0.234	21.662
rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	22.527
rs12641940	ebi-a-GCST90027161	4	185241532	G/A	0.022	0.022	0.045	0.032	0.162	24.301
rs55644928	ebi-a-GCST90027161	11	117303430	T/C	0.085	0.085	0.034	0.018	0.068	20.236
rs7247905	ebi-a-GCST90027161	19	11235337	A/G	0.026	0.026	0.022	0.034	0.514	28.977
rs149041828	ebi-a-GCST90027161	11	55348366	T/C	0.039	0.039	0.021	0.028	0.456	24.299
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	23.377
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	70.584
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	90.088
rs4932821	ebi-a-GCST90027161	19	23336447	A/G	0.746	0.255	0.015	0.012	0.179	21.832
rs79116552	ebi-a-GCST90027161	2	237744637	A/G	0.059	0.059	0.012	0.023	0.584	20.867
rs2201213	ebi-a-GCST90027161	3	163598000	A/G	0.368	0.368	0.010	0.010	0.343	20.104
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	24.189
rs536141	ebi-a-GCST90027161	11	117104536	A/C	0.441	0.441	0.009	0.010	0.396	25.350
rs13261077	ebi-a-GCST90027161	8	105832704	C/T	0.286	0.286	0.007	0.011	0.545	20.810
rs11232119	ebi-a-GCST90027161	11	80120305	T/C	0.081	0.081	0.006	0.020	0.753	20.248

rs10861970	ebi-a-GCST90027161	12	109221013	A/C	0.313	0.313	0.003	0.011	0.795	20.780
rs67702903	ebi-a-GCST90027161	15	26025212	T/C	0.295	0.295	0.000	0.011	0.980	22.297
rs1506653	ebi-a-GCST90027161	18	54028035	C/T	0.550	0.450	0.000	0.010	0.976	20.182
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	49.688
rs72689393	ebi-a-GCST90027161	4	184442910	G/A	0.029	0.029	-0.003	0.031	0.924	20.414
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	55.057
rs28483956	ebi-a-GCST90027161	8	59405459	A/G	0.064	0.064	-0.007	0.020	0.741	28.030
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	69.351
rs4563214	ebi-a-GCST90027161	2	221276033	T/C	0.086	0.086	-0.008	0.018	0.651	20.335
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	47.845
rs73214679	ebi-a-GCST90027161	8	19510168	C/T	0.345	0.345	-0.015	0.011	0.156	24.719
rs72660594	ebi-a-GCST90027161	1	55636240	C/T	0.023	0.023	-0.018	0.031	0.548	54.248
rs2457564	ebi-a-GCST90027161	6	160877640	A/G	0.445	0.445	-0.019	0.010	0.057	22.613
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	94.817
rs2737637	ebi-a-GCST90027161	1	200172292	C/T	0.946	0.054	-0.020	0.025	0.407	22.229
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	72.403
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	34.462
rs187607506	ebi-a-GCST90027161	1	55491915	T/C	0.205	0.205	-0.026	0.016	0.117	28.633
cholesterol esters in very large HDL id:met-c-										
rs77708534	ebi-a-GCST90027161	2	165245163	C/T	0.016	0.016	0.063	0.039	0.107	19.755
rs174547	ebi-a-GCST90027161	11	61570783	C/T	0.369	0.369	0.034	0.010	0.001	72.478
rs6073958	ebi-a-GCST90027161	20	44551855	C/T	0.196	0.196	0.031	0.013	0.015	96.736
rs34562254	ebi-a-GCST90027161	17	16842991	A/G	0.104	0.104	0.028	0.016	0.085	31.104
rs10799830	ebi-a-GCST90027161	1	19963564	A/G	0.327	0.327	0.023	0.011	0.030	19.789
rs60223219	ebi-a-GCST90027161	8	19881801	G/A	0.090	0.090	0.023	0.019	0.232	22.908
rs36016715	ebi-a-GCST90027161	11	75449644	C/T	0.107	0.107	0.020	0.016	0.198	24.920
rs4149307	ebi-a-GCST90027161	9	107589744	T/C	0.135	0.135	0.007	0.015	0.635	30.578
rs1943973	ebi-a-GCST90027161	18	47179516	A/G	0.839	0.161	0.006	0.013	0.683	46.895
rs261291	ebi-a-GCST90027161	15	58680178	C/T	0.362	0.362	0.005	0.011	0.635	219.366
rs139474967	ebi-a-GCST90027161	8	51627897	G/A	0.017	0.017	0.005	0.034	0.893	25.308
rs3741521	ebi-a-GCST90027161	12	125264293	A/G	0.638	0.362	0.005	0.011	0.670	24.587
rs2575876	ebi-a-GCST90027161	9	107665739	A/G	0.221	0.221	0.003	0.013	0.844	57.573
rs2724980	ebi-a-GCST90027161	8	4450502	A/C	0.456	0.456	-0.002	0.010	0.844	20.527

rs7172127	ebi-a-GCST90027161	15	102061971	C/A	0.603	0.398	-0.003	0.010	0.770	23.909
rs2827111	ebi-a-GCST90027161	21	23260324	G/A	0.202	0.202	-0.004	0.014	0.791	21.609
rs12720918	ebi-a-GCST90027161	16	56994212	C/T	0.296	0.296	-0.012	0.011	0.282	25.179
rs12914626	ebi-a-GCST90027161	15	58738423	T/C	0.687	0.313	-0.014	0.011	0.208	84.649
rs686030	ebi-a-GCST90027161	9	15304782	A/C	0.864	0.136	-0.014	0.015	0.339	27.068
rs11667229	ebi-a-GCST90027161	19	49456001	T/C	0.545	0.455	-0.015	0.011	0.168	21.197
rs61803025	ebi-a-GCST90027161	1	161600591	C/T	0.898	0.102	-0.021	0.018	0.243	38.078
rs1532624	ebi-a-GCST90027161	16	57005479	A/C	0.435	0.435	-0.024	0.010	0.018	126.347
rs79387372	ebi-a-GCST90027161	5	135218891	T/C	0.024	0.024	-0.024	0.033	0.467	20.593
rs111543310	ebi-a-GCST90027161	15	59531818	C/T	0.025	0.025	-0.048	0.034	0.157	46.012
rs117376818	ebi-a-GCST90027161	15	58798961	A/G	0.011	0.011	-0.056	0.052	0.280	66.226
rs150087926	ebi-a-GCST90027161	20	60518100	T/C	0.031	0.031	-0.065	0.039	0.095	19.996

of chylomicrons and largest VLDL particles

rs185734575	ebi-a-GCST90027161	11	47567564	A/G	0.025	0.025	0.058	0.037	0.116	20.753
rs11788366	ebi-a-GCST90027161	9	119262628	A/G	0.064	0.064	0.053	0.023	0.020	20.575
rs113111149	ebi-a-GCST90027161	8	12611887	A/G	0.114	0.114	0.039	0.016	0.017	21.085
rs1678046	ebi-a-GCST90027161	10	118944413	C/T	0.895	0.105	0.028	0.017	0.105	24.534
rs17216525	ebi-a-GCST90027161	19	19662220	T/C	0.075	0.075	0.021	0.020	0.286	34.829
rs12365322	ebi-a-GCST90027161	11	116490970	G/T	0.189	0.189	0.019	0.013	0.169	23.085
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	29.459
rs112850985	ebi-a-GCST90027161	4	88927698	A/G	0.022	0.022	0.015	0.038	0.687	24.759
rs72773224	ebi-a-GCST90027161	5	103265564	T/C	0.025	0.025	0.011	0.032	0.731	29.163
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	21.865
rs871609	ebi-a-GCST90027161	14	34157041	C/T	0.341	0.341	0.008	0.011	0.438	20.930
rs9484315	ebi-a-GCST90027161	6	140106278	A/G	0.136	0.136	0.008	0.015	0.594	21.731
rs7552246	ebi-a-GCST90027161	1	244373475	C/T	0.248	0.248	0.002	0.011	0.867	23.223
rs9358816	ebi-a-GCST90027161	6	24988520	C/T	0.586	0.414	-0.003	0.010	0.781	20.718
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	41.325
rs8090363	ebi-a-GCST90027161	18	47133828	G/A	0.619	0.381	-0.005	0.011	0.649	23.116
rs5167	ebi-a-GCST90027161	19	45448465	G/T	0.374	0.374	-0.008	0.010	0.470	28.769
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	63.779
rs13233571	ebi-a-GCST90027161	7	72971231	T/C	0.125	0.125	-0.009	0.015	0.572	45.842
rs79864718	ebi-a-GCST90027161	2	129031308	C/T	0.028	0.028	-0.018	0.038	0.635	21.059

rs28627930	ebi-a-GCST90027161	9	136330049	C/T	0.056	0.056	-0.042	0.022	0.049	20.811
rs181520212	ebi-a-GCST90027161	11	39540227	A/G	0.024	0.024	-0.043	0.030	0.151	20.269
rs28472270	ebi-a-GCST90027161	8	27781495	T/C	0.023	0.023	-0.050	0.038	0.191	22.038
rs72654473	ebi-a-GCST90027161	19	45414399	A/C	0.101	0.101	-0.059	0.017	0.000	45.171

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rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	24.550
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	23.643
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	24.929
rs28733017	ebi-a-GCST90027161	15	96890855	C/T	0.052	0.052	0.025	0.020	0.207	21.827
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	22.621
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	48.851
rs952275	ebi-a-GCST90027161	2	21221399	G/T	0.485	0.485	0.012	0.010	0.244	108.270
rs11125327	ebi-a-GCST90027161	2	21483047	T/G	0.748	0.252	0.011	0.012	0.339	23.077
rs2044333	ebi-a-GCST90027161	15	58646656	A/G	0.493	0.493	0.010	0.010	0.305	22.513
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	35.659
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	43.844
rs13240393	ebi-a-GCST90027161	7	3652707	G/A	0.189	0.189	0.006	0.014	0.638	21.702
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	73.951
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	55.560
rs7646323	ebi-a-GCST90027161	3	60477413	G/T	0.172	0.172	0.002	0.012	0.879	20.699
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	21.308
rs6882076	ebi-a-GCST90027161	5	156390297	C/T	0.643	0.357	0.001	0.011	0.931	25.163
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	53.491
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	81.410
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	29.736
rs13403407	ebi-a-GCST90027161	2	20902273	T/C	0.384	0.384	-0.005	0.010	0.637	20.227
rs113531395	ebi-a-GCST90027161	17	4886829	T/C	0.012	0.012	-0.007	0.053	0.899	28.347
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	23.349
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	108.508
rs2965160	ebi-a-GCST90027161	19	45196135	G/A	0.359	0.359	-0.008	0.011	0.458	29.375
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	87.391
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	30.610
rs1349326	ebi-a-GCST90027161	11	10376420	A/G	0.846	0.154	-0.010	0.014	0.483	21.346

rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	178.099
rs56398555	ebi-a-GCST90027161	18	74803624	A/G	0.093	0.093	-0.013	0.018	0.478	20.892
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	59.461
rs12048617	ebi-a-GCST90027161	1	25739064	A/G	0.551	0.449	-0.016	0.010	0.124	24.372
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	178.180
rs76866386	ebi-a-GCST90027161	2	44075483	C/T	0.072	0.072	-0.016	0.019	0.404	38.775
rs183130	ebi-a-GCST90027161	16	56991363	T/C	0.308	0.308	-0.022	0.011	0.047	27.061
rs9977179	ebi-a-GCST90027161	21	39345338	G/A	0.239	0.239	-0.023	0.012	0.059	21.082
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	42.150
rs73221046	ebi-a-GCST90027161	4	31423582	A/G	0.015	0.015	-0.031	0.059	0.598	22.573
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	346.101

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rs147455794	ebi-a-GCST90027161	9	107231215	A/G	0.004	0.004	0.109	0.068	0.107	24.961
rs117998397	ebi-a-GCST90027161	20	54589248	C/T	0.027	0.027	0.050	0.033	0.137	21.554
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	26.391
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	97.782
rs1689797	ebi-a-GCST90027161	1	182150978	A/C	0.317	0.317	0.018	0.011	0.109	20.880
rs40270	ebi-a-GCST90027161	5	55804552	C/A	0.745	0.255	0.016	0.011	0.174	21.182
rs2070895	ebi-a-GCST90027161	15	58723939	A/G	0.236	0.236	0.013	0.012	0.259	296.662
rs2044333	ebi-a-GCST90027161	15	58646656	A/G	0.493	0.493	0.010	0.010	0.305	20.890
rs7256730	ebi-a-GCST90027161	19	7208882	T/C	0.772	0.228	0.010	0.012	0.397	23.859
rs291	ebi-a-GCST90027161	8	19815852	C/T	0.235	0.235	0.006	0.012	0.624	62.480
rs9532747	ebi-a-GCST90027161	13	41796542	A/G	0.071	0.071	0.005	0.020	0.809	20.710
rs3741521	ebi-a-GCST90027161	12	125264293	A/G	0.638	0.362	0.005	0.011	0.670	24.638
rs6461876	ebi-a-GCST90027161	7	25669467	A/G	0.338	0.338	0.005	0.011	0.682	21.116
rs1367117	ebi-a-GCST90027161	2	21263900	A/G	0.310	0.310	0.004	0.011	0.741	20.695
rs6905288	ebi-a-GCST90027161	6	43758873	A/G	0.569	0.431	0.003	0.010	0.794	20.673
rs4738065	ebi-a-GCST90027161	8	70960800	G/A	0.491	0.491	-0.005	0.010	0.655	21.126
rs11615241	ebi-a-GCST90027161	12	106005850	A/G	0.213	0.213	-0.007	0.013	0.577	23.663
rs187505938	ebi-a-GCST90027161	7	44877646	G/T	0.048	0.048	-0.007	0.024	0.771	20.272
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	346.813
rs114264597	ebi-a-GCST90027161	3	9635933	T/C	0.030	0.030	-0.008	0.030	0.785	20.266
rs16940472	ebi-a-GCST90027161	15	58835317	A/C	0.113	0.113	-0.009	0.017	0.607	40.650

rs3133431	ebi-a-GCST90027161	8	104058195	A/G	0.467	0.467	-0.015	0.014	0.307	25.797
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	320.040
rs2700831	ebi-a-GCST90027161	17	42041611	G/T	0.684	0.316	-0.025	0.011	0.024	23.459
rs12271743	ebi-a-GCST90027161	11	117026154	C/T	0.045	0.045	-0.027	0.023	0.243	23.176
rs17212176	ebi-a-GCST90027161	5	145395889	A/G	0.039	0.039	-0.030	0.026	0.237	20.717
rs1461729	ebi-a-GCST90027161	8	9187242	G/A	0.882	0.118	-0.031	0.016	0.049	21.766

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rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	31.529
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	25.963
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	33.157
rs12655026	ebi-a-GCST90027161	5	32833603	T/C	0.260	0.260	0.030	0.012	0.009	21.139
rs28733017	ebi-a-GCST90027161	15	96890855	C/T	0.052	0.052	0.025	0.020	0.207	21.721
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	22.385
rs835616	ebi-a-GCST90027161	5	174863690	G/A	0.640	0.360	0.018	0.011	0.082	20.974
rs73066442	ebi-a-GCST90027161	7	21592973	G/A	0.251	0.251	0.017	0.012	0.132	37.082
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	44.010
rs4624874	ebi-a-GCST90027161	6	100257019	G/A	0.013	0.013	0.012	0.039	0.755	20.865
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	29.513
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	36.566
rs17042055	ebi-a-GCST90027161	2	21491848	G/T	0.818	0.182	0.008	0.013	0.536	20.901
rs62120792	ebi-a-GCST90027161	2	21092488	C/T	0.111	0.111	0.006	0.015	0.706	38.266
rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	35.964
rs934197	ebi-a-GCST90027161	2	21267461	A/G	0.310	0.310	0.004	0.011	0.731	101.903
rs599132	ebi-a-GCST90027161	10	14421688	C/A	0.561	0.439	0.003	0.010	0.799	20.957
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	92.086
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	64.962
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	25.894
rs6448772	ebi-a-GCST90027161	4	31410172	T/C	0.820	0.181	0.000	0.014	0.992	22.301
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	49.379
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	85.842
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	33.413
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	23.225
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	30.246

rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	109.409
rs2965155	ebi-a-GCST90027161	19	45188471	C/T	0.473	0.473	-0.009	0.010	0.399	31.934
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	28.217
rs5746823	ebi-a-GCST90027161	22	16876636	A/G	0.027	0.027	-0.009	0.031	0.773	21.686
rs10244139	ebi-a-GCST90027161	7	100897350	G/A	0.053	0.053	-0.010	0.023	0.657	22.352
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	214.462
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	69.983
rs12048617	ebi-a-GCST90027161	1	25739064	A/G	0.551	0.449	-0.016	0.010	0.124	21.077
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	190.427
rs112635299	ebi-a-GCST90027161	14	94838142	T/G	0.020	0.020	-0.020	0.037	0.591	23.321
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	47.217
rs9977179	ebi-a-GCST90027161	21	39345338	G/A	0.239	0.239	-0.023	0.012	0.059	20.508
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	53.529
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	470.284

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rs187429064	ebi-a-GCST90027161	19	19380513	G/A	0.027	0.027	0.058	0.029	0.044	21.611
rs114082493	ebi-a-GCST90027161	3	5815288	C/T	0.019	0.019	0.058	0.043	0.180	20.226
rs12641940	ebi-a-GCST90027161	4	185241532	G/A	0.022	0.022	0.045	0.032	0.162	23.762
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	21.926
rs13265716	ebi-a-GCST90027161	8	26169303	G/A	0.015	0.015	0.023	0.042	0.581	24.508
rs74498950	ebi-a-GCST90027161	4	16642700	G/A	0.019	0.019	0.022	0.043	0.618	21.469
rs12365322	ebi-a-GCST90027161	11	116490970	G/T	0.189	0.189	0.019	0.013	0.169	23.047
rs56255430	ebi-a-GCST90027161	19	19477877	C/A	0.077	0.077	0.019	0.020	0.346	46.923
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	24.163
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	64.963
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	27.188
rs12589424	ebi-a-GCST90027161	14	94292181	T/C	0.095	0.095	0.009	0.017	0.597	21.718
rs476469	ebi-a-GCST90027161	11	117173560	T/C	0.404	0.404	0.009	0.010	0.411	28.007
rs7811833	ebi-a-GCST90027161	7	78963773	C/A	0.869	0.131	0.004	0.016	0.802	24.328
rs141947880	ebi-a-GCST90027161	11	47385350	T/C	0.042	0.042	0.003	0.029	0.905	25.269
rs1109595	ebi-a-GCST90027161	10	106835378	T/G	0.485	0.485	-0.001	0.010	0.921	23.488
rs2980882	ebi-a-GCST90027161	8	126480700	G/A	0.482	0.482	-0.001	0.010	0.912	33.639
rs6082264	ebi-a-GCST90027161	20	20957651	A/G	0.022	0.022	-0.005	0.036	0.897	20.331

rs73212700	ebi-a-GCST90027161	7	114573879	C/T	0.043	0.043	-0.006	0.027	0.836	21.732
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	83.970
rs55730499	ebi-a-GCST90027161	6	161005610	T/C	0.065	0.065	-0.009	0.023	0.704	32.576
rs77697917	ebi-a-GCST90027161	17	41840849	T/C	0.029	0.029	-0.018	0.030	0.547	22.317
rs7752733	ebi-a-GCST90027161	6	81207569	G/A	0.073	0.073	-0.019	0.020	0.337	22.600
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	38.268
rs115756535	ebi-a-GCST90027161	2	169406646	T/C	0.035	0.035	-0.032	0.028	0.252	20.468
rs439401	ebi-a-GCST90027161	19	45414451	C/T	0.663	0.337	-0.037	0.011	0.001	54.961
rs142454125	ebi-a-GCST90027161	5	103583152	A/C	0.014	0.014	-0.041	0.043	0.343	22.699

entration of medium HDL particles || id:met-

rs6073966	ebi-a-GCST90027161	20	44570192	T/C	0.156	0.156	0.036	0.014	0.012	50.583
rs112983422	ebi-a-GCST90027161	6	168316397	C/T	0.029	0.029	0.021	0.034	0.530	22.407
rs882633	ebi-a-GCST90027161	2	29280745	A/G	0.370	0.370	0.011	0.011	0.281	20.680
rs78137712	ebi-a-GCST90027161	2	234809247	G/A	0.040	0.040	0.005	0.026	0.850	23.079
rs7314695	ebi-a-GCST90027161	12	58930678	T/C	0.127	0.127	0.004	0.016	0.788	20.809
rs2585639	ebi-a-GCST90027161	2	174179305	G/A	0.789	0.211	0.002	0.013	0.863	20.323
rs79363762	ebi-a-GCST90027161	16	8586633	C/T	0.087	0.087	0.001	0.017	0.956	20.516
rs61938802	ebi-a-GCST90027161	12	96504318	T/G	0.130	0.130	-0.006	0.015	0.700	24.891
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	23.671
rs12721111	ebi-a-GCST90027161	19	45446271	T/C	0.334	0.334	-0.008	0.011	0.456	24.568
rs590820	ebi-a-GCST90027161	1	230309619	G/A	0.426	0.426	-0.014	0.010	0.173	24.479
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	111.099
rs9987289	ebi-a-GCST90027161	8	9183358	G/A	0.893	0.107	-0.030	0.016	0.069	34.590
rs75361024	ebi-a-GCST90027161	9	27124976	A/G	0.020	0.020	-0.036	0.037	0.325	21.507

entration of medium LDL particles || id:met-

rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	32.951
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	24.145
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	33.116
rs12655026	ebi-a-GCST90027161	5	32833603	T/C	0.260	0.260	0.030	0.012	0.009	21.472
rs28733017	ebi-a-GCST90027161	15	96890855	C/T	0.052	0.052	0.025	0.020	0.207	22.636
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	21.876
rs835616	ebi-a-GCST90027161	5	174863690	G/A	0.640	0.360	0.018	0.011	0.082	21.892
rs73066442	ebi-a-GCST90027161	7	21592973	G/A	0.251	0.251	0.017	0.012	0.132	34.639

rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	56.633
rs4624874	ebi-a-GCST90027161	6	100257019	G/A	0.013	0.013	0.012	0.039	0.755	21.358
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	28.325
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	30.416
rs17042055	ebi-a-GCST90027161	2	21491848	G/T	0.818	0.182	0.008	0.013	0.536	21.105
rs62120792	ebi-a-GCST90027161	2	21092488	C/T	0.111	0.111	0.006	0.015	0.706	33.379
rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	31.934
rs147097143	ebi-a-GCST90027161	17	60238774	T/C	0.007	0.007	0.005	0.071	0.949	21.490
rs1367117	ebi-a-GCST90027161	2	21263900	A/G	0.310	0.310	0.004	0.011	0.741	89.948
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	85.455
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	67.293
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	26.868
rs6448772	ebi-a-GCST90027161	4	31410172	T/C	0.820	0.181	0.000	0.014	0.992	22.573
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	51.954
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	76.563
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	29.220
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	23.536
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	102.923
rs2965155	ebi-a-GCST90027161	19	45188471	C/T	0.473	0.473	-0.009	0.010	0.399	31.302
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	25.025
rs5746823	ebi-a-GCST90027161	22	16876636	A/G	0.027	0.027	-0.009	0.031	0.773	22.243
rs10244139	ebi-a-GCST90027161	7	100897350	G/A	0.053	0.053	-0.010	0.023	0.657	20.797
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	202.284
rs2834153	ebi-a-GCST90027161	21	34588494	C/T	0.509	0.491	-0.014	0.010	0.169	21.483
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	69.139
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	173.426
rs112635299	ebi-a-GCST90027161	14	94838142	T/G	0.020	0.020	-0.020	0.037	0.591	32.945
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	47.369
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	59.701
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	416.013
rs116319294	ebi-a-GCST90027161	4	71236061	T/C	0.019	0.019	-0.063	0.036	0.084	22.349
ntation of medium VLDL particles id:met										
rs12641940	ebi-a-GCST90027161	4	185241532	G/A	0.022	0.022	0.045	0.032	0.162	21.375

rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	34.017
rs74498950	ebi-a-GCST90027161	4	16642700	G/A	0.019	0.019	0.022	0.043	0.618	20.759
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	32.066
rs56255430	ebi-a-GCST90027161	19	19477877	C/A	0.077	0.077	0.019	0.020	0.346	52.051
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	22.217
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	32.161
rs35954451	ebi-a-GCST90027161	16	9215775	A/G	0.204	0.204	0.018	0.012	0.149	20.250
rs34397710	ebi-a-GCST90027161	8	26181172	G/T	0.015	0.015	0.018	0.042	0.674	22.754
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	92.852
rs79116552	ebi-a-GCST90027161	2	237744637	A/G	0.059	0.059	0.012	0.023	0.584	22.071
rs55890546	ebi-a-GCST90027161	8	137968978	C/T	0.264	0.264	0.011	0.011	0.347	21.057
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	28.437
rs476469	ebi-a-GCST90027161	11	117173560	T/C	0.404	0.404	0.009	0.010	0.411	25.292
rs35608606	ebi-a-GCST90027161	1	110052900	T/G	0.415	0.415	0.008	0.010	0.463	23.840
rs10779836	ebi-a-GCST90027161	1	230303150	T/C	0.793	0.207	0.008	0.013	0.547	26.779
rs4823381	ebi-a-GCST90027161	22	44785304	A/G	0.491	0.491	0.007	0.010	0.483	21.202
rs7811833	ebi-a-GCST90027161	7	78963773	C/A	0.869	0.131	0.004	0.016	0.802	23.304
rs141947880	ebi-a-GCST90027161	11	47385350	T/C	0.042	0.042	0.003	0.029	0.905	30.226
rs17803280	ebi-a-GCST90027161	18	47954086	T/C	0.090	0.090	0.003	0.018	0.867	21.113
rs73160476	ebi-a-GCST90027161	3	150018423	T/C	0.304	0.304	0.001	0.011	0.929	20.340
rs6982636	ebi-a-GCST90027161	8	126479315	A/G	0.482	0.482	-0.001	0.010	0.900	36.823
rs34346326	ebi-a-GCST90027161	7	73016181	C/T	0.189	0.189	-0.004	0.013	0.791	68.098
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	46.754
rs62202612	ebi-a-GCST90027161	20	23082929	T/C	0.228	0.228	-0.005	0.012	0.692	21.762
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	81.812
rs673548	ebi-a-GCST90027161	2	21237544	A/G	0.230	0.230	-0.008	0.012	0.488	56.114
rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	24.271
rs149723604	ebi-a-GCST90027161	1	247191017	A/G	0.077	0.077	-0.017	0.018	0.354	24.165
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	33.057
rs439401	ebi-a-GCST90027161	19	45414451	C/T	0.663	0.337	-0.037	0.011	0.001	53.529
rs143977883	ebi-a-GCST90027161	5	103622217	C/T	0.014	0.014	-0.038	0.043	0.377	22.246
rs113407879	ebi-a-GCST90027161	15	66401035	A/G	0.015	0.015	-0.060	0.036	0.100	23.029

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rs28478716	ebi-a-GCST90027161	12	41172357	C/T	0.010	0.010	0.099	0.055	0.072	21.529
rs78802873	ebi-a-GCST90027161	20	36623501	A/G	0.046	0.046	0.045	0.022	0.043	23.193
rs6073958	ebi-a-GCST90027161	20	44551855	C/T	0.196	0.196	0.031	0.013	0.015	248.768
rs525028	ebi-a-GCST90027161	11	116705516	A/G	0.671	0.329	0.024	0.011	0.023	19.989
rs633695	ebi-a-GCST90027161	15	58725839	G/A	0.294	0.294	0.023	0.011	0.040	54.540
rs77590524	ebi-a-GCST90027161	3	20150760	G/A	0.147	0.147	0.019	0.014	0.193	20.003
rs11739961	ebi-a-GCST90027161	5	141508488	G/T	0.630	0.370	0.018	0.011	0.097	22.494
rs118147036	ebi-a-GCST90027161	6	80191054	T/C	0.013	0.013	0.014	0.047	0.761	20.047
rs10468017	ebi-a-GCST90027161	15	58678512	T/C	0.305	0.305	0.009	0.011	0.414	88.823
rs7174807	ebi-a-GCST90027161	15	92337950	C/A	0.139	0.139	0.007	0.014	0.602	24.928
rs7713763	ebi-a-GCST90027161	5	105896594	T/C	0.277	0.277	0.001	0.012	0.958	23.220
rs2215964	ebi-a-GCST90027161	2	59090390	C/T	0.256	0.256	-0.004	0.012	0.715	20.764
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	66.589
rs9365723	ebi-a-GCST90027161	6	158435572	G/A	0.616	0.384	-0.011	0.010	0.306	20.936
rs34534209	ebi-a-GCST90027161	14	30498909	C/T	0.037	0.037	-0.016	0.027	0.547	20.821
rs73424577	ebi-a-GCST90027161	15	58869185	G/A	0.033	0.033	-0.024	0.028	0.389	31.670
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	25.987
rs289714	ebi-a-GCST90027161	16	57007451	A/G	0.831	0.169	-0.030	0.014	0.028	22.044
rs7615407	ebi-a-GCST90027161	3	60140553	C/T	0.144	0.144	-0.032	0.014	0.026	22.341
rs111543310	ebi-a-GCST90027161	15	59531818	C/T	0.025	0.025	-0.048	0.034	0.157	28.316

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rs143473297	ebi-a-GCST90027161	19	45393352	C/T	0.014	0.014	0.082	0.037	0.026	39.099
rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	29.341
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	23.728
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	27.374
rs12655026	ebi-a-GCST90027161	5	32833603	T/C	0.260	0.260	0.030	0.012	0.009	20.462
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	21.149
rs73066442	ebi-a-GCST90027161	7	21592973	G/A	0.251	0.251	0.017	0.012	0.132	30.418
rs4624874	ebi-a-GCST90027161	6	100257019	G/A	0.013	0.013	0.012	0.039	0.755	21.773
rs12422055	ebi-a-GCST90027161	11	67404181	T/C	0.197	0.197	0.006	0.013	0.646	20.286
rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	27.760
rs147097143	ebi-a-GCST90027161	17	60238774	T/C	0.007	0.007	0.005	0.071	0.949	21.707
rs148436988	ebi-a-GCST90027161	8	59520745	T/C	0.009	0.009	0.004	0.059	0.947	22.759

rs1367117	ebi-a-GCST90027161	2	21263900	A/G	0.310	0.310	0.004	0.011	0.741	74.216
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	64.913
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	67.305
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	24.481
rs36091905	ebi-a-GCST90027161	22	39629373	A/G	0.014	0.014	0.001	0.052	0.988	22.715
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	60.508
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	65.371
rs12981278	ebi-a-GCST90027161	19	31395973	C/T	0.011	0.011	-0.003	0.052	0.954	21.053
rs11102515	ebi-a-GCST90027161	1	109371874	T/G	0.249	0.249	-0.004	0.012	0.760	22.265
rs115862481	ebi-a-GCST90027161	1	76496816	T/C	0.012	0.012	-0.004	0.043	0.922	20.310
rs2495477	ebi-a-GCST90027161	1	55518467	G/A	0.414	0.414	-0.007	0.010	0.488	31.893
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	22.860
rs10841407	ebi-a-GCST90027161	12	20073426	T/C	0.339	0.339	-0.008	0.011	0.481	20.615
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	81.044
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	49.315
rs11777835	ebi-a-GCST90027161	8	144986103	C/T	0.460	0.460	-0.008	0.010	0.425	21.766
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	163.030
rs12930036	ebi-a-GCST90027161	16	71992072	T/G	0.263	0.263	-0.013	0.011	0.261	22.604
rs2834153	ebi-a-GCST90027161	21	34588494	C/T	0.509	0.491	-0.014	0.010	0.169	22.055
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	145.579
rs76866386	ebi-a-GCST90027161	2	44075483	C/T	0.072	0.072	-0.016	0.019	0.404	44.167
rs112635299	ebi-a-GCST90027161	14	94838142	T/G	0.020	0.020	-0.020	0.037	0.591	27.280
rs1733528	ebi-a-GCST90027161	3	71402252	G/A	0.322	0.322	-0.025	0.011	0.022	21.147
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	65.019
rs138607350	ebi-a-GCST90027161	19	45363820	G/T	0.014	0.014	-0.030	0.037	0.430	24.249
rs1081105	ebi-a-GCST90027161	19	45412955	C/A	0.026	0.026	-0.049	0.032	0.118	30.638
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	273.597
rs73190180	ebi-a-GCST90027161	12	106287009	C/A	0.037	0.037	-0.062	0.028	0.029	20.858

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rs113565903	ebi-a-GCST90027161	1	26512556	T/C	0.029	0.029	0.109	0.030	0.000	21.965
rs117186462	ebi-a-GCST90027161	19	20471321	A/G	0.015	0.015	0.046	0.039	0.234	20.410
rs12641940	ebi-a-GCST90027161	4	185241532	G/A	0.022	0.022	0.045	0.032	0.162	22.400
rs77810663	ebi-a-GCST90027161	4	167289297	C/A	0.049	0.049	0.027	0.023	0.239	21.135

rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	25.753
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	20.624
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	57.239
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	25.543
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	100.533
rs11607673	ebi-a-GCST90027161	11	58953420	T/C	0.484	0.484	0.013	0.010	0.223	22.963
rs79116552	ebi-a-GCST90027161	2	237744637	A/G	0.059	0.059	0.012	0.023	0.584	25.227
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	31.524
rs72757871	ebi-a-GCST90027161	9	119212415	C/A	0.040	0.040	0.010	0.025	0.697	20.117
rs536141	ebi-a-GCST90027161	11	117104536	A/C	0.441	0.441	0.009	0.010	0.396	23.833
rs11039167	ebi-a-GCST90027161	11	47319212	T/C	0.351	0.351	0.008	0.011	0.435	24.945
rs10779836	ebi-a-GCST90027161	1	230303150	T/C	0.793	0.207	0.008	0.013	0.547	22.214
rs1042034	ebi-a-GCST90027161	2	21225281	T/C	0.770	0.230	0.007	0.012	0.556	90.769
rs13261077	ebi-a-GCST90027161	8	105832704	C/T	0.286	0.286	0.007	0.011	0.545	20.625
rs147097143	ebi-a-GCST90027161	17	60238774	T/C	0.007	0.007	0.005	0.071	0.949	21.232
rs10861970	ebi-a-GCST90027161	12	109221013	A/C	0.313	0.313	0.003	0.011	0.795	22.729
rs216570	ebi-a-GCST90027161	18	54048379	G/A	0.687	0.313	0.003	0.011	0.812	23.552
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	25.298
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	54.987
rs2014522	ebi-a-GCST90027161	19	23236561	A/G	0.189	0.189	-0.002	0.013	0.869	21.334
rs72752218	ebi-a-GCST90027161	5	55597424	A/G	0.075	0.075	-0.003	0.019	0.881	20.308
rs34346326	ebi-a-GCST90027161	7	73016181	C/T	0.189	0.189	-0.004	0.013	0.791	50.227
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	50.681
rs28483956	ebi-a-GCST90027161	8	59405459	A/G	0.064	0.064	-0.007	0.020	0.741	23.949
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	80.040
rs4563214	ebi-a-GCST90027161	2	221276033	T/C	0.086	0.086	-0.008	0.018	0.651	22.505
rs7828702	ebi-a-GCST90027161	8	3003780	G/A	0.107	0.107	-0.009	0.017	0.612	20.289
rs7605009	ebi-a-GCST90027161	2	21540399	A/G	0.094	0.094	-0.012	0.018	0.502	20.537
rs73214679	ebi-a-GCST90027161	8	19510168	C/T	0.345	0.345	-0.015	0.011	0.156	27.367
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	53.558
rs55762617	ebi-a-GCST90027161	19	45485462	A/C	0.298	0.298	-0.018	0.011	0.094	21.700
rs72660594	ebi-a-GCST90027161	1	55636240	C/T	0.023	0.023	-0.018	0.031	0.548	39.063
rs2737637	ebi-a-GCST90027161	1	200172292	C/T	0.946	0.054	-0.020	0.025	0.407	21.956

rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	102.272
rs2878419	ebi-a-GCST90027161	5	74640490	T/C	0.401	0.401	-0.023	0.010	0.023	40.427
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	34.136
rs78016572	ebi-a-GCST90027161	22	28105632	A/C	0.025	0.025	-0.057	0.031	0.065	20.817
Concentration of very large HDL particles id:met										
rs174547	ebi-a-GCST90027161	11	61570783	C/T	0.369	0.369	0.034	0.010	0.001	67.635
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	151.945
rs18318	ebi-a-GCST90027161	5	55766158	G/A	0.673	0.327	0.016	0.011	0.151	20.777
rs4939941	ebi-a-GCST90027161	18	47639553	A/G	0.031	0.031	0.012	0.028	0.672	21.095
rs1044673	ebi-a-GCST90027161	15	59389466	A/G	0.065	0.065	0.011	0.020	0.575	25.637
rs4149307	ebi-a-GCST90027161	9	107589744	T/C	0.135	0.135	0.007	0.015	0.635	37.656
rs11881934	ebi-a-GCST90027161	19	57707253	A/G	0.194	0.194	0.007	0.013	0.571	20.239
rs261291	ebi-a-GCST90027161	15	58680178	C/T	0.362	0.362	0.005	0.011	0.635	366.033
rs3741521	ebi-a-GCST90027161	12	125264293	A/G	0.638	0.362	0.005	0.011	0.670	21.909
rs2575876	ebi-a-GCST90027161	9	107665739	A/G	0.221	0.221	0.003	0.013	0.844	57.318
rs7535444	ebi-a-GCST90027161	1	78638751	A/G	0.138	0.138	0.000	0.015	0.986	20.507
rs17626423	ebi-a-GCST90027161	17	36108367	C/T	0.214	0.214	-0.001	0.012	0.955	23.513
rs7588023	ebi-a-GCST90027161	2	43150923	C/T	0.213	0.213	-0.002	0.016	0.884	22.084
rs4954552	ebi-a-GCST90027161	2	136789259	A/G	0.324	0.324	-0.003	0.011	0.810	20.130
rs9960426	ebi-a-GCST90027161	18	4928710	G/A	0.950	0.050	-0.003	0.023	0.886	22.101
rs13006717	ebi-a-GCST90027161	2	220784986	C/T	0.209	0.209	-0.006	0.013	0.646	25.440
rs75793545	ebi-a-GCST90027161	16	69524241	A/G	0.031	0.031	-0.006	0.026	0.809	20.642
rs6754295	ebi-a-GCST90027161	2	21206183	G/T	0.247	0.247	-0.012	0.012	0.317	21.711
rs7044769	ebi-a-GCST90027161	9	119948458	T/C	0.048	0.048	-0.014	0.024	0.567	22.835
rs12914626	ebi-a-GCST90027161	15	58738423	T/C	0.687	0.313	-0.014	0.011	0.208	124.474
rs686030	ebi-a-GCST90027161	9	15304782	A/C	0.864	0.136	-0.014	0.015	0.339	24.336
rs4503368	ebi-a-GCST90027161	1	161190250	C/T	0.542	0.458	-0.015	0.010	0.135	41.022
rs79038462	ebi-a-GCST90027161	2	220674583	A/G	0.068	0.068	-0.021	0.020	0.301	23.285
rs3764261	ebi-a-GCST90027161	16	56993324	A/C	0.308	0.308	-0.022	0.011	0.052	123.697
rs10832313	ebi-a-GCST90027161	11	14922363	G/A	0.072	0.072	-0.031	0.021	0.141	20.140
rs111543310	ebi-a-GCST90027161	15	59531818	C/T	0.025	0.025	-0.048	0.034	0.157	70.143
Concentration of very large VLDL particles id:me										
rs7123576	ebi-a-GCST90027161	11	47625046	T/C	0.029	0.029	0.046	0.035	0.188	22.822

rs12651252	ebi-a-GCST90027161	4	185241819	C/T	0.022	0.022	0.045	0.032	0.162	22.421
rs1678046	ebi-a-GCST90027161	10	118944413	C/T	0.895	0.105	0.028	0.017	0.105	20.474
rs16996148	ebi-a-GCST90027161	19	19658472	T/G	0.075	0.075	0.021	0.020	0.297	33.202
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	22.415
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	50.574
rs2099850	ebi-a-GCST90027161	19	53621561	A/G	0.532	0.469	0.015	0.010	0.130	20.660
rs1012347	ebi-a-GCST90027161	7	125388062	C/T	0.844	0.156	0.013	0.016	0.423	21.445
rs62236568	ebi-a-GCST90027161	22	27915705	T/C	0.047	0.047	0.010	0.026	0.693	25.264
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	30.205
rs12589424	ebi-a-GCST90027161	14	94292181	T/C	0.095	0.095	0.009	0.017	0.597	21.751
rs7520707	ebi-a-GCST90027161	1	241146322	G/A	0.375	0.375	0.007	0.011	0.532	21.018
rs845561	ebi-a-GCST90027161	7	55252708	T/C	0.717	0.283	0.006	0.011	0.625	22.383
rs73596755	ebi-a-GCST90027161	8	19116353	A/G	0.026	0.026	0.005	0.037	0.901	20.861
rs17803280	ebi-a-GCST90027161	18	47954086	T/C	0.090	0.090	0.003	0.018	0.867	25.757
rs525390	ebi-a-GCST90027161	11	117111214	A/G	0.360	0.360	0.003	0.011	0.775	26.696
rs35392247	ebi-a-GCST90027161	2	241392077	G/A	0.504	0.496	0.001	0.010	0.890	20.913
rs629090	ebi-a-GCST90027161	13	21543678	A/G	0.359	0.359	0.001	0.011	0.963	22.816
rs17321515	ebi-a-GCST90027161	8	126486409	G/A	0.484	0.484	-0.001	0.010	0.906	24.314
rs4301123	ebi-a-GCST90027161	4	98063941	A/G	0.268	0.268	-0.002	0.012	0.881	20.834
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	48.232
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	67.319
rs1025748	ebi-a-GCST90027161	4	154563897	T/G	0.756	0.244	-0.015	0.013	0.240	21.817
rs77697917	ebi-a-GCST90027161	17	41840849	T/C	0.029	0.029	-0.018	0.030	0.547	21.530
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	25.380
rs4704227	ebi-a-GCST90027161	5	74826735	A/G	0.408	0.408	-0.026	0.010	0.010	20.915
rs483082	ebi-a-GCST90027161	19	45416178	T/G	0.235	0.235	-0.030	0.012	0.013	37.410
rs117048027	ebi-a-GCST90027161	11	39597471	C/T	0.025	0.025	-0.050	0.029	0.087	22.840
rs4277019	ebi-a-GCST90027161	10	133357778	A/G	0.051	0.051	-0.053	0.026	0.044	20.755
Concentration of very small VLDL particles id:me										
rs61986292	ebi-a-GCST90027161	14	82458984	G/A	0.056	0.056	0.043	0.021	0.044	20.675
rs4932142	ebi-a-GCST90027161	15	90326190	T/G	0.196	0.196	0.020	0.013	0.113	21.279
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	51.600
rs11607673	ebi-a-GCST90027161	11	58953420	T/C	0.484	0.484	0.013	0.010	0.223	23.638

rs12430011	ebi-a-GCST90027161	13	76505683	G/A	0.227	0.227	0.012	0.013	0.330	20.814
rs7247433	ebi-a-GCST90027161	19	19795560	A/C	0.408	0.408	0.011	0.011	0.305	20.324
rs2044333	ebi-a-GCST90027161	15	58646656	A/G	0.493	0.493	0.010	0.010	0.305	33.229
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	36.079
rs6859	ebi-a-GCST90027161	19	45382034	G/A	0.555	0.445	0.006	0.010	0.592	20.358
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	40.218
rs9541772	ebi-a-GCST90027161	13	35251941	G/A	0.374	0.374	-0.001	0.011	0.935	21.903
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	65.705
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	60.994
rs113531395	ebi-a-GCST90027161	17	4886829	T/C	0.012	0.012	-0.007	0.053	0.899	42.849
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	133.208
rs7845662	ebi-a-GCST90027161	8	144972454	C/T	0.555	0.445	-0.008	0.010	0.427	27.559
rs660240	ebi-a-GCST90027161	1	109817838	C/T	0.783	0.217	-0.009	0.012	0.442	35.752
rs1349326	ebi-a-GCST90027161	11	10376420	A/G	0.846	0.154	-0.010	0.014	0.483	21.000
rs6544366	ebi-a-GCST90027161	2	21204025	T/G	0.247	0.247	-0.011	0.012	0.321	110.700
rs56398555	ebi-a-GCST90027161	18	74803624	A/G	0.093	0.093	-0.013	0.018	0.478	20.124
rs1848922	ebi-a-GCST90027161	2	21471603	C/T	0.790	0.210	-0.013	0.012	0.282	70.670
rs6511720	ebi-a-GCST90027161	19	11202306	T/G	0.107	0.107	-0.014	0.017	0.429	116.032
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	31.766
rs10283342	ebi-a-GCST90027161	8	94685144	A/C	0.047	0.047	-0.015	0.026	0.560	25.096
rs7251161	ebi-a-GCST90027161	19	45706865	A/G	0.289	0.289	-0.017	0.012	0.153	23.176
rs4465856	ebi-a-GCST90027161	21	32981750	T/C	0.189	0.189	-0.018	0.013	0.183	21.401
rs72660594	ebi-a-GCST90027161	1	55636240	C/T	0.023	0.023	-0.018	0.031	0.548	86.608
rs4788460	ebi-a-GCST90027161	16	72154509	T/C	0.300	0.300	-0.019	0.011	0.086	20.552
rs138452194	ebi-a-GCST90027161	2	43771270	T/C	0.022	0.022	-0.021	0.038	0.588	23.874
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	92.326
rs62204086	ebi-a-GCST90027161	2	211828144	A/G	0.017	0.017	-0.024	0.047	0.606	23.109
rs187607506	ebi-a-GCST90027161	1	55491915	T/C	0.205	0.205	-0.026	0.016	0.117	58.452
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	29.823
rs2259816	ebi-a-GCST90027161	12	121435587	T/G	0.350	0.350	-0.034	0.011	0.001	20.860
rs157594	ebi-a-GCST90027161	19	45425175	G/T	0.639	0.361	-0.035	0.011	0.001	108.004
rs77708489	ebi-a-GCST90027161	18	33931291	T/C	0.028	0.028	-0.042	0.033	0.202	20.267

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rs10765058	ebi-a-GCST90027161	10	129192182	A/G	0.825	0.175	0.017	0.014	0.211	22.833
rs9961226	ebi-a-GCST90027161	18	4925108	A/C	0.350	0.350	0.015	0.011	0.164	19.684
rs9842484	ebi-a-GCST90027161	3	192745099	A/G	0.076	0.076	0.015	0.019	0.439	22.308
rs2977488	ebi-a-GCST90027161	8	141571498	T/C	0.920	0.080	0.014	0.019	0.453	20.994
rs258341	ebi-a-GCST90027161	16	89691142	T/C	0.427	0.427	0.005	0.010	0.664	36.719
rs34832125	ebi-a-GCST90027161	2	214966047	A/G	0.655	0.345	0.002	0.011	0.826	21.196
rs58289070	ebi-a-GCST90027161	3	10525557	T/C	0.139	0.139	0.002	0.014	0.883	22.506
rs61831567	ebi-a-GCST90027161	1	240005310	A/G	0.963	0.037	0.000	0.027	0.987	21.614
rs11790085	ebi-a-GCST90027161	9	23466893	T/C	0.951	0.049	-0.003	0.024	0.912	20.372
rs4457053	ebi-a-GCST90027161	5	76424949	A/G	0.720	0.280	-0.004	0.012	0.756	20.478
rs17356527	ebi-a-GCST90027161	1	188569921	A/C	0.603	0.397	-0.006	0.011	0.566	21.048
rs112538844	ebi-a-GCST90027161	5	16761237	T/C	0.842	0.158	-0.006	0.015	0.673	20.500
rs16860688	ebi-a-GCST90027161	1	168463868	T/G	0.920	0.080	-0.007	0.017	0.707	23.412
rs11935843	ebi-a-GCST90027161	4	185903947	A/G	0.437	0.437	-0.008	0.010	0.436	20.129
rs1418258	ebi-a-GCST90027161	20	63799	T/C	0.319	0.319	-0.011	0.011	0.319	21.311
rs7074808	ebi-a-GCST90027161	10	15119397	T/C	0.584	0.416	-0.012	0.010	0.248	19.604
rs35594	ebi-a-GCST90027161	16	16148926	A/G	0.305	0.305	-0.012	0.011	0.269	22.166
rs62019382	ebi-a-GCST90027161	15	101330032	T/C	0.986	0.014	-0.024	0.042	0.559	20.863
rs112407859	ebi-a-GCST90027161	4	23899075	A/G	0.009	0.009	-0.056	0.077	0.462	22.716
Decanoylcarnitine										
rs146843347	ebi-a-GCST90027161	4	176501457	A/G	0.014	0.014	0.068	0.048	0.161	21.986
rs141159734	ebi-a-GCST90027161	14	103533016	A/G	0.012	0.012	0.067	0.050	0.178	19.954
rs72925784	ebi-a-GCST90027161	6	92098270	T/C	0.015	0.015	0.067	0.046	0.142	20.774
rs116966812	ebi-a-GCST90027161	8	53235908	T/G	0.971	0.030	0.047	0.033	0.156	22.100
rs73317224	ebi-a-GCST90027161	5	172065549	A/C	0.977	0.023	0.043	0.034	0.202	20.068
rs117334161	ebi-a-GCST90027161	10	113939693	T/C	0.966	0.034	0.027	0.031	0.391	21.130
rs145787227	ebi-a-GCST90027161	13	33952290	A/G	0.015	0.015	0.024	0.045	0.592	20.524
rs117596032	ebi-a-GCST90027161	17	72765401	T/C	0.029	0.029	0.011	0.030	0.715	21.085
rs76009627	ebi-a-GCST90027161	4	25466327	A/G	0.113	0.113	0.011	0.015	0.493	21.258
rs246223	ebi-a-GCST90027161	16	16137213	T/C	0.689	0.311	0.009	0.011	0.427	35.777
rs12123977	ebi-a-GCST90027161	1	76209754	A/G	0.286	0.286	0.004	0.011	0.717	183.941
rs28461183	ebi-a-GCST90027161	2	1177357	A/G	0.311	0.311	0.003	0.011	0.780	20.677
rs11691111	ebi-a-GCST90027161	2	61183657	A/G	0.783	0.217	0.003	0.013	0.844	21.611

rs61652057	ebi-a-GCST90027161	18	72995404	T/G	0.989	0.011	0.001	0.066	0.984	19.632
rs17843966	ebi-a-GCST90027161	4	159629814	A/C	0.745	0.255	0.000	0.012	0.994	242.793
rs11760686	ebi-a-GCST90027161	7	104141996	A/G	0.643	0.357	0.000	0.011	0.989	21.468
rs3736594	ebi-a-GCST90027161	2	27995781	A/C	0.289	0.289	-0.002	0.011	0.853	20.005
rs8031935	ebi-a-GCST90027161	15	54211300	T/C	0.266	0.266	-0.002	0.012	0.843	20.196
rs1151811	ebi-a-GCST90027161	1	226759502	A/G	0.092	0.092	-0.003	0.018	0.888	22.908
rs7980827	ebi-a-GCST90027161	12	71992158	A/C	0.967	0.033	-0.006	0.030	0.829	19.558
rs534958	ebi-a-GCST90027161	3	53492956	T/G	0.382	0.382	-0.009	0.010	0.396	20.488
rs149497679	ebi-a-GCST90027161	3	141932961	T/C	0.017	0.017	-0.012	0.035	0.729	19.625
rs74865865	ebi-a-GCST90027161	2	167638334	A/G	0.873	0.127	-0.017	0.015	0.240	21.339
rs11578175	ebi-a-GCST90027161	1	9399461	A/C	0.316	0.316	-0.018	0.011	0.115	20.109
rs149556176	ebi-a-GCST90027161	1	75436832	T/C	0.990	0.010	-0.050	0.065	0.440	77.715
rs186181876	ebi-a-GCST90027161	2	84250712	A/G	0.015	0.015	-0.069	0.041	0.091	23.998

Decenoylcarnitine

rs147349048	ebi-a-GCST90027161	11	93670608	T/G	0.034	0.034	0.021	0.026	0.425	20.126
rs11213126	ebi-a-GCST90027161	11	109478437	A/G	0.056	0.056	0.017	0.023	0.462	29.980
rs78812065	ebi-a-GCST90027161	1	90315590	A/G	0.029	0.029	0.012	0.034	0.726	22.684
rs4522365	ebi-a-GCST90027161	15	29964742	T/C	0.146	0.146	0.006	0.014	0.655	19.892
rs417210	ebi-a-GCST90027161	11	8269405	T/G	0.649	0.352	0.005	0.011	0.622	19.588
rs12123977	ebi-a-GCST90027161	1	76209754	A/G	0.286	0.286	0.004	0.011	0.717	128.730
rs35071107	ebi-a-GCST90027161	6	4135225	A/C	0.230	0.230	0.003	0.013	0.799	25.000
rs9858818	ebi-a-GCST90027161	3	148547435	T/C	0.681	0.319	0.002	0.011	0.845	20.192
rs4415540	ebi-a-GCST90027161	1	163344406	A/G	0.973	0.027	-0.004	0.029	0.902	19.587
rs2050733	ebi-a-GCST90027161	6	132805090	A/C	0.811	0.189	-0.010	0.013	0.448	24.291
rs71526390	ebi-a-GCST90027161	7	22209351	A/G	0.092	0.092	-0.018	0.017	0.310	20.495
rs2400091	ebi-a-GCST90027161	10	14817342	A/C	0.804	0.196	-0.024	0.018	0.178	20.890
rs115624382	ebi-a-GCST90027161	1	244507520	T/C	0.028	0.028	-0.025	0.030	0.405	22.620
rs143391248	ebi-a-GCST90027161	12	23738763	T/C	0.974	0.026	-0.048	0.039	0.218	20.272
rs149556176	ebi-a-GCST90027161	1	75436832	T/C	0.990	0.010	-0.050	0.065	0.440	64.967
rs60232962	ebi-a-GCST90027161	1	118846704	T/C	0.988	0.013	-0.064	0.046	0.164	19.614
rs144558932	ebi-a-GCST90027161	14	25078451	T/C	0.019	0.019	-0.065	0.036	0.071	19.864
rs186181876	ebi-a-GCST90027161	2	84250712	A/G	0.015	0.015	-0.069	0.041	0.091	19.549

e fatty acid chain length, not actual carbon n

rs1814669	ebi-a-GCST90027161	3	27367617	T/C	0.984	0.016	0.058	0.041	0.151	20.755
rs75679663	ebi-a-GCST90027161	17	4667972	A/C	0.014	0.014	0.026	0.043	0.537	23.250
rs6064166	ebi-a-GCST90027161	20	53717186	G/T	0.774	0.226	0.024	0.013	0.057	20.628
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	30.150
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	29.908
rs187245036	ebi-a-GCST90027161	5	173940574	T/G	0.029	0.029	0.017	0.027	0.533	20.796
rs73203396	ebi-a-GCST90027161	4	2339330	A/G	0.187	0.187	0.016	0.013	0.217	20.976
rs9547469	ebi-a-GCST90027161	13	86592289	T/C	0.231	0.231	0.016	0.012	0.189	21.519
rs6047471	ebi-a-GCST90027161	20	21528576	T/C	0.375	0.375	0.008	0.010	0.418	21.465
rs7575910	ebi-a-GCST90027161	2	11103476	C/T	0.393	0.393	0.004	0.011	0.724	20.005
rs11698291	ebi-a-GCST90027161	20	39321640	T/C	0.062	0.062	0.004	0.022	0.862	24.121
rs923421	ebi-a-GCST90027161	16	83538398	G/T	0.573	0.428	0.002	0.010	0.853	21.440
rs17145732	ebi-a-GCST90027161	7	72970268	G/T	0.222	0.222	-0.003	0.016	0.865	30.086
rs35611355	ebi-a-GCST90027161	9	18255609	G/A	0.115	0.115	-0.004	0.016	0.799	20.652
rs141477452	ebi-a-GCST90027161	11	5684457	A/G	0.027	0.027	-0.005	0.026	0.842	20.745
rs2011079	ebi-a-GCST90027161	5	64077966	G/A	0.558	0.442	-0.007	0.010	0.502	20.723
rs73733758	ebi-a-GCST90027161	5	3305395	C/A	0.118	0.118	-0.009	0.016	0.598	23.412
rs658435	ebi-a-GCST90027161	1	109818270	T/C	0.106	0.106	-0.012	0.016	0.483	24.383
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	25.726
rs141201866	ebi-a-GCST90027161	7	62710038	C/T	0.042	0.042	-0.021	0.028	0.464	20.979
rs112512554	ebi-a-GCST90027161	11	133161021	T/C	0.012	0.012	-0.023	0.044	0.597	23.050
rs73000411	ebi-a-GCST90027161	2	210072378	C/T	0.016	0.016	-0.037	0.037	0.328	20.398

Dodecanedioylcarnitine

rs72885356	ebi-a-GCST90027161	11	40131661	A/G	0.954	0.046	0.046	0.021	0.029	23.253
rs34365122	ebi-a-GCST90027161	3	54472533	T/C	0.026	0.026	0.008	0.034	0.823	19.951
rs4651246	ebi-a-GCST90027161	1	184946444	T/C	0.289	0.289	0.007	0.011	0.538	22.084
rs75769797	ebi-a-GCST90027161	2	10609936	A/G	0.067	0.067	0.006	0.019	0.759	20.130
rs58106920	ebi-a-GCST90027161	18	28020541	T/C	0.243	0.243	0.004	0.012	0.749	22.686
rs10065087	ebi-a-GCST90027161	5	32998396	A/G	0.716	0.284	0.002	0.011	0.841	21.686
rs28728065	ebi-a-GCST90027161	15	29767385	A/G	0.949	0.051	0.000	0.024	0.987	21.114
rs117471583	ebi-a-GCST90027161	12	127640422	T/G	0.968	0.033	-0.005	0.027	0.858	19.978
rs1734397	ebi-a-GCST90027161	2	10990110	T/C	0.722	0.279	-0.006	0.012	0.617	21.611
rs333135	ebi-a-GCST90027161	17	4379226	T/G	0.738	0.263	-0.009	0.012	0.465	23.534

rs9509268	ebi-a-GCST90027161	13	21101847	T/C	0.807	0.193	-0.012	0.013	0.371	21.880
rs10089144	ebi-a-GCST90027161	8	94561611	T/C	0.979	0.021	-0.013	0.043	0.757	19.771
rs117459626	ebi-a-GCST90027161	11	120414030	T/C	0.991	0.009	-0.071	0.072	0.322	19.538
Dodecanoylcarnitine										
rs151334237	ebi-a-GCST90027161	7	12412588	A/G	0.971	0.029	0.034	0.028	0.221	20.183
rs150434185	ebi-a-GCST90027161	16	63307387	T/C	0.022	0.022	0.033	0.032	0.303	21.134
rs113098866	ebi-a-GCST90027161	15	55797219	A/G	0.916	0.084	0.029	0.018	0.117	19.521
rs145787227	ebi-a-GCST90027161	13	33952290	A/G	0.015	0.015	0.024	0.045	0.592	26.505
rs663705	ebi-a-GCST90027161	3	135943668	T/C	0.436	0.436	0.021	0.010	0.043	20.774
rs147558537	ebi-a-GCST90027161	15	101330052	T/C	0.054	0.054	0.020	0.027	0.464	20.753
rs78478569	ebi-a-GCST90027161	2	175508844	T/C	0.961	0.039	0.015	0.028	0.577	27.476
rs569818546	ebi-a-GCST90027161	12	19884367	A/G	0.989	0.011	0.003	0.044	0.944	21.765
rs73129033	ebi-a-GCST90027161	12	60970510	A/C	0.964	0.036	0.003	0.032	0.931	22.737
rs1868616	ebi-a-GCST90027161	3	7505487	A/G	0.806	0.194	-0.001	0.012	0.942	26.533
rs9322536	ebi-a-GCST90027161	6	156130723	A/G	0.335	0.335	-0.003	0.011	0.811	19.797
rs3864311	ebi-a-GCST90027161	6	13192759	T/G	0.644	0.356	-0.008	0.010	0.474	21.958
rs62122071	ebi-a-GCST90027161	19	13973473	T/C	0.871	0.129	-0.016	0.016	0.304	21.062
rs117592357	ebi-a-GCST90027161	8	92359548	A/G	0.014	0.014	-0.035	0.044	0.434	20.174
Dodecenoylcarnitine										
rs146843347	ebi-a-GCST90027161	4	176501457	A/G	0.014	0.014	0.068	0.048	0.161	24.752
rs34659361	ebi-a-GCST90027161	3	57589341	A/G	0.026	0.026	0.066	0.031	0.032	21.115
rs6961071	ebi-a-GCST90027161	7	155974701	A/G	0.488	0.488	0.013	0.010	0.193	23.078
rs17614190	ebi-a-GCST90027161	19	30951753	T/C	0.059	0.059	0.004	0.023	0.849	19.723
rs823645	ebi-a-GCST90027161	9	114557475	A/G	0.037	0.037	0.003	0.030	0.934	25.262
rs12525914	ebi-a-GCST90027161	6	13175908	A/G	0.710	0.290	-0.001	0.011	0.936	20.114
rs73225616	ebi-a-GCST90027161	3	112016389	A/C	0.079	0.079	-0.003	0.020	0.872	21.047
rs8396	ebi-a-GCST90027161	4	159630817	T/C	0.720	0.280	-0.003	0.012	0.766	29.119
rs13296349	ebi-a-GCST90027161	9	137379709	A/G	0.775	0.225	-0.005	0.012	0.704	21.579
rs7210025	ebi-a-GCST90027161	17	5714706	A/G	0.741	0.260	-0.006	0.012	0.625	19.834
rs4148337	ebi-a-GCST90027161	16	16108282	T/C	0.313	0.313	-0.007	0.011	0.533	51.587
rs12831342	ebi-a-GCST90027161	12	116067330	A/G	0.352	0.352	-0.014	0.011	0.199	19.572
rs7712288	ebi-a-GCST90027161	5	57771467	T/C	0.322	0.322	-0.016	0.011	0.149	23.789
rs2400091	ebi-a-GCST90027161	10	14817342	A/C	0.804	0.196	-0.024	0.018	0.178	22.052

rs113496629	ebi-a-GCST90027161	18	8150015	T/C	0.009	0.009	-0.056	0.054	0.295	19.546
rs186181876	ebi-a-GCST90027161	2	84250712	A/G	0.015	0.015	-0.069	0.041	0.091	22.669
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rs79915079	ebi-a-GCST90027161	19	11229066	A/G	0.025	0.025	0.027	0.035	0.431	24.042
rs62458152	ebi-a-GCST90027161	7	45105133	G/A	0.093	0.093	0.027	0.019	0.157	20.412
rs75679663	ebi-a-GCST90027161	17	4667972	A/C	0.014	0.014	0.026	0.043	0.537	36.712
rs9533841	ebi-a-GCST90027161	13	44970976	A/G	0.129	0.129	0.021	0.015	0.178	27.129
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	29.558
rs13392272	ebi-a-GCST90027161	2	21217490	T/C	0.465	0.465	0.015	0.010	0.142	63.287
rs11604424	ebi-a-GCST90027161	11	116651115	T/C	0.780	0.220	0.014	0.012	0.232	30.226
rs79827172	ebi-a-GCST90027161	14	72657116	T/G	0.082	0.082	0.013	0.019	0.477	20.353
rs1077835	ebi-a-GCST90027161	15	58723426	G/A	0.236	0.236	0.013	0.012	0.278	133.040
rs3780543	ebi-a-GCST90027161	9	107588572	G/A	0.106	0.106	0.013	0.017	0.460	22.773
rs905566	ebi-a-GCST90027161	3	192320179	T/C	0.439	0.439	0.011	0.010	0.290	20.093
rs1809700	ebi-a-GCST90027161	9	87705476	T/C	0.192	0.192	0.011	0.012	0.398	24.020
rs112512610	ebi-a-GCST90027161	5	122031847	A/G	0.087	0.087	0.006	0.018	0.731	21.930
rs309151	ebi-a-GCST90027161	2	136661150	T/C	0.135	0.135	0.003	0.014	0.818	27.830
rs2865613	ebi-a-GCST90027161	16	12828306	G/A	0.774	0.226	0.003	0.013	0.821	21.184
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	72.460
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	45.885
rs2663264	ebi-a-GCST90027161	4	126243466	G/T	0.370	0.370	-0.001	0.011	0.963	21.943
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	61.321
rs76868440	ebi-a-GCST90027161	19	46843224	A/G	0.046	0.046	-0.003	0.036	0.943	22.140
rs61903008	ebi-a-GCST90027161	11	121565333	C/T	0.024	0.024	-0.003	0.035	0.934	22.668
rs35991656	ebi-a-GCST90027161	3	181517317	A/C	0.085	0.085	-0.004	0.019	0.852	21.407
rs11102515	ebi-a-GCST90027161	1	109371874	T/G	0.249	0.249	-0.004	0.012	0.760	27.770
rs4620726	ebi-a-GCST90027161	11	67403833	C/T	0.806	0.194	-0.005	0.013	0.674	20.105
rs60750610	ebi-a-GCST90027161	3	146868979	T/C	0.165	0.165	-0.007	0.014	0.626	22.888
rs2495477	ebi-a-GCST90027161	1	55518467	G/A	0.414	0.414	-0.007	0.010	0.488	20.722
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	46.465
rs1065837	ebi-a-GCST90027161	8	144990335	A/G	0.412	0.412	-0.009	0.010	0.376	22.315
rs1004869	ebi-a-GCST90027161	2	231039271	A/C	0.112	0.112	-0.012	0.017	0.476	22.475
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	155.614

rs12930036	ebi-a-GCST90027161	16	71992072	T/G	0.263	0.263	-0.013	0.011	0.261	21.937
rs6842183	ebi-a-GCST90027161	4	6072923	C/T	0.650	0.350	-0.013	0.011	0.225	21.071
rs174418	ebi-a-GCST90027161	15	58687603	C/T	0.589	0.412	-0.015	0.010	0.162	85.127
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	46.880
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	130.061
rs28929474	ebi-a-GCST90027161	14	94844947	T/C	0.020	0.020	-0.017	0.037	0.643	20.972
rs11508026	ebi-a-GCST90027161	16	56999328	T/C	0.429	0.429	-0.021	0.010	0.039	24.233
rs117810982	ebi-a-GCST90027161	7	45084179	G/A	0.010	0.010	-0.022	0.068	0.751	20.291
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	51.044
rs17443389	ebi-a-GCST90027161	18	51261377	G/A	0.037	0.037	-0.030	0.028	0.277	21.931
rs74896012	ebi-a-GCST90027161	6	1017091	C/T	0.026	0.026	-0.037	0.036	0.299	19.954
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	117.328

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rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	20.088
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	26.656
rs56833376	ebi-a-GCST90027161	1	55653828	T/G	0.044	0.044	0.036	0.022	0.106	20.177
rs28733017	ebi-a-GCST90027161	15	96890855	C/T	0.052	0.052	0.025	0.020	0.207	20.094
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	24.236
rs952275	ebi-a-GCST90027161	2	21221399	G/T	0.485	0.485	0.012	0.010	0.244	121.455
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	26.385
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	39.062
rs12266210	ebi-a-GCST90027161	10	55188322	T/C	0.281	0.281	0.005	0.011	0.664	22.287
rs331582	ebi-a-GCST90027161	5	123073205	C/T	0.471	0.471	0.004	0.010	0.716	20.415
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	91.445
rs7646323	ebi-a-GCST90027161	3	60477413	G/T	0.172	0.172	0.002	0.012	0.879	21.908
rs8177992	ebi-a-GCST90027161	1	155261156	A/G	0.014	0.014	0.002	0.045	0.973	20.200
rs151297021	ebi-a-GCST90027161	1	11143456	C/T	0.048	0.048	0.001	0.028	0.963	22.957
rs4704825	ebi-a-GCST90027161	5	156382308	G/A	0.643	0.357	0.001	0.011	0.904	28.051
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	21.694
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	85.308
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	34.012
rs2965159	ebi-a-GCST90027161	19	45196062	G/A	0.402	0.402	-0.004	0.010	0.675	32.184
rs2954021	ebi-a-GCST90027161	8	126482077	G/A	0.529	0.471	-0.007	0.010	0.520	37.708

rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	112.382
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	99.044
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	27.344
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	210.910
rs6532416	ebi-a-GCST90027161	4	77404938	A/G	0.978	0.022	-0.014	0.036	0.701	20.373
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	58.007
rs12048617	ebi-a-GCST90027161	1	25739064	A/G	0.551	0.449	-0.016	0.010	0.124	28.463
rs17248720	ebi-a-GCST90027161	19	11198187	T/C	0.107	0.107	-0.017	0.017	0.330	196.341
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	43.258
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	32.741
rs73221046	ebi-a-GCST90027161	4	31423582	A/G	0.015	0.015	-0.031	0.059	0.598	24.575
rs62271895	ebi-a-GCST90027161	3	139541292	C/T	0.042	0.042	-0.033	0.023	0.153	21.272

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rs11632618	ebi-a-GCST90027161	15	58724706	A/G	0.060	0.060	0.036	0.023	0.118	92.586
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	22.233
rs1689791	ebi-a-GCST90027161	1	182151909	G/A	0.318	0.318	0.018	0.011	0.093	21.871
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	133.365
rs4149303	ebi-a-GCST90027161	9	107594515	G/A	0.110	0.110	0.010	0.017	0.560	24.806
rs74409288	ebi-a-GCST90027161	4	146911364	A/G	0.132	0.132	0.007	0.015	0.657	20.737
rs291	ebi-a-GCST90027161	8	19815852	C/T	0.235	0.235	0.006	0.012	0.624	79.588
rs261291	ebi-a-GCST90027161	15	58680178	C/T	0.362	0.362	0.005	0.011	0.635	316.969
rs9532747	ebi-a-GCST90027161	13	41796542	A/G	0.071	0.071	0.005	0.020	0.809	24.910
rs3741521	ebi-a-GCST90027161	12	125264293	A/G	0.638	0.362	0.005	0.011	0.670	27.170
rs6461876	ebi-a-GCST90027161	7	25669467	A/G	0.338	0.338	0.005	0.011	0.682	21.015
rs73302914	ebi-a-GCST90027161	20	56227673	A/G	0.025	0.025	0.001	0.036	0.990	21.853
rs2711740	ebi-a-GCST90027161	12	105978253	A/C	0.772	0.228	-0.002	0.012	0.873	30.065
rs1883025	ebi-a-GCST90027161	9	107664301	T/C	0.226	0.226	-0.002	0.013	0.862	32.107
rs144725638	ebi-a-GCST90027161	4	78740169	A/C	0.048	0.048	-0.003	0.027	0.901	20.343
rs12128213	ebi-a-GCST90027161	1	200197538	G/A	0.529	0.471	-0.003	0.010	0.739	20.155
rs6957745	ebi-a-GCST90027161	7	73056750	C/T	0.192	0.192	-0.003	0.013	0.796	33.113
rs8079	ebi-a-GCST90027161	8	104081226	G/A	0.574	0.426	-0.007	0.010	0.535	22.028
rs187505938	ebi-a-GCST90027161	7	44877646	G/T	0.048	0.048	-0.007	0.024	0.771	20.700
rs9395844	ebi-a-GCST90027161	6	53038343	C/T	0.768	0.232	-0.007	0.013	0.562	22.490

rs114264597	ebi-a-GCST90027161	3	9635933	T/C	0.030	0.030	-0.008	0.030	0.785	20.957
rs6544366	ebi-a-GCST90027161	2	21204025	T/G	0.247	0.247	-0.011	0.012	0.321	31.867
rs4503368	ebi-a-GCST90027161	1	161190250	C/T	0.542	0.458	-0.015	0.010	0.135	21.693
rs570524	ebi-a-GCST90027161	9	15295483	T/C	0.869	0.131	-0.017	0.015	0.271	21.350
rs2828214	ebi-a-GCST90027161	21	24887840	G/A	0.288	0.288	-0.017	0.011	0.131	20.292
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	331.899
rs73424577	ebi-a-GCST90027161	15	58869185	G/A	0.033	0.033	-0.024	0.028	0.389	70.712
rs2700831	ebi-a-GCST90027161	17	42041611	G/T	0.684	0.316	-0.025	0.011	0.024	24.656
rs12271743	ebi-a-GCST90027161	11	117026154	C/T	0.045	0.045	-0.027	0.023	0.243	24.133
rs75250180	ebi-a-GCST90027161	22	37790602	T/C	0.058	0.058	-0.027	0.022	0.218	20.912
rs6032347	ebi-a-GCST90027161	20	44211523	C/T	0.117	0.117	-0.030	0.016	0.059	22.064
rs16826375	ebi-a-GCST90027161	1	187049709	G/T	0.165	0.165	-0.033	0.013	0.013	21.104
rs111543310	ebi-a-GCST90027161	15	59531818	C/T	0.025	0.025	-0.048	0.034	0.157	46.841
rs118129259	ebi-a-GCST90027161	7	96320426	C/T	0.019	0.019	-0.058	0.033	0.076	21.272

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rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	28.758
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	23.563
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	34.788
rs28733017	ebi-a-GCST90027161	15	96890855	C/T	0.052	0.052	0.025	0.020	0.207	20.635
rs835616	ebi-a-GCST90027161	5	174863690	G/A	0.640	0.360	0.018	0.011	0.082	23.959
rs73066442	ebi-a-GCST90027161	7	21592973	G/A	0.251	0.251	0.017	0.012	0.132	41.437
rs34605785	ebi-a-GCST90027161	1	25822271	G/A	0.447	0.447	0.014	0.010	0.171	23.833
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	21.137
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	23.837
rs2954022	ebi-a-GCST90027161	8	126482621	A/C	0.387	0.387	0.009	0.014	0.537	32.224
rs112963922	ebi-a-GCST90027161	14	94877868	T/C	0.021	0.021	0.007	0.034	0.842	24.016
rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	30.775
rs10184290	ebi-a-GCST90027161	2	21093216	C/T	0.111	0.111	0.005	0.015	0.721	47.222
rs934197	ebi-a-GCST90027161	2	21267461	A/G	0.310	0.310	0.004	0.011	0.731	111.087
rs149623	ebi-a-GCST90027161	5	123073197	C/T	0.471	0.471	0.004	0.010	0.719	22.150
rs12571962	ebi-a-GCST90027161	10	115056349	T/G	0.014	0.014	0.003	0.040	0.942	22.170
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	99.603
rs151297021	ebi-a-GCST90027161	1	11143456	C/T	0.048	0.048	0.001	0.028	0.963	23.286

rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	28.380
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	85.846
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	29.198
rs34024103	ebi-a-GCST90027161	7	3639942	A/G	0.214	0.214	-0.003	0.013	0.819	24.203
rs2965152	ebi-a-GCST90027161	19	45189000	A/G	0.438	0.438	-0.003	0.010	0.747	34.124
rs1492848	ebi-a-GCST90027161	4	83068042	G/T	0.069	0.069	-0.007	0.019	0.714	20.909
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	30.140
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	117.257
rs72695409	ebi-a-GCST90027161	8	145039400	C/T	0.389	0.389	-0.008	0.011	0.430	28.986
rs5746823	ebi-a-GCST90027161	22	16876636	A/G	0.027	0.027	-0.009	0.031	0.773	21.442
rs10244139	ebi-a-GCST90027161	7	100897350	G/A	0.053	0.053	-0.010	0.023	0.657	24.285
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	229.707
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	63.567
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	213.156
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	60.478
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	46.424
rs10829040	ebi-a-GCST90027161	10	18917047	T/C	0.355	0.355	-0.028	0.011	0.008	20.705
rs73221046	ebi-a-GCST90027161	4	31423582	A/G	0.015	0.015	-0.031	0.059	0.598	21.558
rs2126263	ebi-a-GCST90027161	8	9181611	A/G	0.887	0.113	-0.032	0.016	0.045	27.559
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	560.630

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rs188247550	ebi-a-GCST90027161	19	19396616	T/C	0.027	0.027	0.060	0.029	0.040	20.125
rs55644928	ebi-a-GCST90027161	11	117303430	T/C	0.085	0.085	0.034	0.018	0.068	20.656
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	20.268
rs144768958	ebi-a-GCST90027161	7	156830850	C/A	0.025	0.025	0.032	0.040	0.417	20.879
rs4036623	ebi-a-GCST90027161	5	149892283	G/A	0.022	0.022	0.023	0.029	0.438	21.926
rs76975037	ebi-a-GCST90027161	8	19851508	A/C	0.088	0.088	0.021	0.019	0.271	63.460
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	24.513
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	25.492
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	54.804
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	21.663
rs9809229	ebi-a-GCST90027161	3	115849331	G/A	0.163	0.163	0.015	0.014	0.274	24.778
rs144396749	ebi-a-GCST90027161	11	55653617	C/A	0.039	0.039	0.014	0.028	0.606	27.491

rs1007581	ebi-a-GCST90027161	10	117585986	C/T	0.534	0.466	0.014	0.010	0.181	20.479
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	29.493
rs536141	ebi-a-GCST90027161	11	117104536	A/C	0.441	0.441	0.009	0.010	0.396	24.393
rs9484315	ebi-a-GCST90027161	6	140106278	A/G	0.136	0.136	0.008	0.015	0.594	20.522
rs10779836	ebi-a-GCST90027161	1	230303150	T/C	0.793	0.207	0.008	0.013	0.547	21.503
rs10051260	ebi-a-GCST90027161	5	74567359	A/G	0.169	0.169	0.005	0.017	0.767	23.648
rs11639805	ebi-a-GCST90027161	16	88112234	A/G	0.356	0.356	-0.003	0.011	0.809	23.759
rs73049720	ebi-a-GCST90027161	3	25333497	T/G	0.037	0.037	-0.003	0.029	0.926	20.641
rs10455872	ebi-a-GCST90027161	6	161010118	G/A	0.065	0.065	-0.003	0.022	0.898	31.710
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	64.274
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	84.735
rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	31.466
rs62182413	ebi-a-GCST90027161	2	189979936	C/T	0.191	0.191	-0.019	0.017	0.254	19.860
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	45.275
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	20.701
rs438811	ebi-a-GCST90027161	19	45416741	T/C	0.235	0.235	-0.030	0.012	0.013	57.772

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rs79705790	ebi-a-GCST90027161	12	41201281	C/T	0.010	0.010	0.150	0.058	0.010	22.207
rs147455794	ebi-a-GCST90027161	9	107231215	A/G	0.004	0.004	0.109	0.068	0.107	20.971
rs410324	ebi-a-GCST90027161	5	34626160	C/T	0.880	0.120	0.036	0.016	0.025	20.141
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	28.716
rs6073958	ebi-a-GCST90027161	20	44551855	C/T	0.196	0.196	0.031	0.013	0.015	24.449
rs112983422	ebi-a-GCST90027161	6	168316397	C/T	0.029	0.029	0.021	0.034	0.530	21.632
rs73207849	ebi-a-GCST90027161	4	6467765	A/G	0.132	0.132	0.019	0.015	0.210	21.292
rs882633	ebi-a-GCST90027161	2	29280745	A/G	0.370	0.370	0.011	0.011	0.281	21.645
rs2245011	ebi-a-GCST90027161	18	73771458	T/C	0.181	0.181	0.007	0.013	0.585	19.966
rs2052411	ebi-a-GCST90027161	12	109231851	C/T	0.388	0.388	0.006	0.010	0.560	21.187
rs35853021	ebi-a-GCST90027161	15	58680643	T/G	0.366	0.366	0.004	0.011	0.701	23.569
rs4939884	ebi-a-GCST90027161	18	47167407	C/T	0.826	0.175	-0.002	0.013	0.864	40.933
rs11108420	ebi-a-GCST90027161	12	96503782	G/A	0.141	0.141	-0.003	0.014	0.811	24.436
rs737337	ebi-a-GCST90027161	19	11347493	C/T	0.085	0.085	-0.008	0.017	0.663	20.045
rs7411	ebi-a-GCST90027161	1	71529401	T/C	0.475	0.475	-0.009	0.010	0.383	23.298
rs590820	ebi-a-GCST90027161	1	230309619	G/A	0.426	0.426	-0.014	0.010	0.173	37.093

rs56350560	ebi-a-GCST90027161	1	55245639	G/A	0.056	0.056	-0.015	0.022	0.505	20.681
rs9669375	ebi-a-GCST90027161	12	15188765	T/C	0.371	0.371	-0.016	0.011	0.135	21.487
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	214.994
rs111894427	ebi-a-GCST90027161	11	116721405	T/C	0.044	0.044	-0.027	0.023	0.246	22.298
rs9987289	ebi-a-GCST90027161	8	9183358	G/A	0.893	0.107	-0.030	0.016	0.069	50.317
rs74906886	ebi-a-GCST90027161	4	160511175	T/C	0.050	0.050	-0.031	0.025	0.220	20.057
rs75361024	ebi-a-GCST90027161	9	27124976	A/G	0.020	0.020	-0.036	0.037	0.325	22.608

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rs74498950	ebi-a-GCST90027161	4	16642700	G/A	0.019	0.019	0.022	0.043	0.618	21.246
rs149041828	ebi-a-GCST90027161	11	55348366	T/C	0.039	0.039	0.021	0.028	0.456	25.516
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	27.504
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	23.666
rs12931763	ebi-a-GCST90027161	16	9189524	T/C	0.207	0.207	0.018	0.012	0.135	20.948
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	61.864
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	26.264
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	96.134
rs79116552	ebi-a-GCST90027161	2	237744637	A/G	0.059	0.059	0.012	0.023	0.584	26.009
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	27.893
rs1464572	ebi-a-GCST90027161	2	45953910	T/C	0.405	0.405	0.009	0.010	0.361	21.051
rs633892	ebi-a-GCST90027161	11	117112630	C/A	0.434	0.434	0.008	0.010	0.414	29.711
rs10779836	ebi-a-GCST90027161	1	230303150	T/C	0.793	0.207	0.008	0.013	0.547	22.063
rs1042034	ebi-a-GCST90027161	2	21225281	T/C	0.770	0.230	0.007	0.012	0.556	74.722
rs17803280	ebi-a-GCST90027161	18	47954086	T/C	0.090	0.090	0.003	0.018	0.867	20.705
rs1817799	ebi-a-GCST90027161	5	125026967	A/G	0.763	0.238	0.002	0.012	0.877	21.533
rs2980875	ebi-a-GCST90027161	8	126481747	G/A	0.477	0.477	-0.002	0.010	0.869	45.005
rs2963057	ebi-a-GCST90027161	19	23239263	G/A	0.190	0.190	-0.002	0.013	0.872	25.198
rs935840	ebi-a-GCST90027161	2	129260787	T/G	0.341	0.341	-0.003	0.011	0.757	20.661
rs6082264	ebi-a-GCST90027161	20	20957651	A/G	0.022	0.022	-0.005	0.036	0.897	21.442
rs6997473	ebi-a-GCST90027161	8	59406223	G/A	0.064	0.064	-0.007	0.020	0.738	20.985
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	92.866
rs1168002	ebi-a-GCST90027161	1	62934308	G/A	0.670	0.330	-0.010	0.011	0.344	67.459
rs72884948	ebi-a-GCST90027161	2	181214664	A/G	0.023	0.023	-0.013	0.044	0.777	21.130
rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	27.091

rs10401845	ebi-a-GCST90027161	19	11191536	C/T	0.191	0.191	-0.015	0.013	0.268	31.387
rs12916	ebi-a-GCST90027161	5	74656539	C/T	0.424	0.424	-0.020	0.010	0.046	34.082
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	30.027
rs61852560	ebi-a-GCST90027161	1	247110315	A/G	0.107	0.107	-0.038	0.017	0.024	20.020
Free cholesterol in small VLDL id:met-c-925										
rs117186462	ebi-a-GCST90027161	19	20471321	A/G	0.015	0.015	0.046	0.039	0.234	22.415
rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	25.807
rs77810663	ebi-a-GCST90027161	4	167289297	C/A	0.049	0.049	0.027	0.023	0.239	22.199
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	25.133
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	57.392
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	82.231
rs11607673	ebi-a-GCST90027161	11	58953420	T/C	0.484	0.484	0.013	0.010	0.223	28.399
rs4624874	ebi-a-GCST90027161	6	100257019	G/A	0.013	0.013	0.012	0.039	0.755	20.178
rs139564703	ebi-a-GCST90027161	11	50332390	C/T	0.053	0.053	0.010	0.024	0.666	23.334
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	24.730
rs7605158	ebi-a-GCST90027161	2	128610021	C/T	0.104	0.104	0.008	0.017	0.611	20.051
rs1042034	ebi-a-GCST90027161	2	21225281	T/C	0.770	0.230	0.007	0.012	0.556	106.323
rs13261077	ebi-a-GCST90027161	8	105832704	C/T	0.286	0.286	0.007	0.011	0.545	20.373
rs7978792	ebi-a-GCST90027161	12	129692152	C/A	0.086	0.086	0.005	0.020	0.797	23.253
rs147097143	ebi-a-GCST90027161	17	60238774	T/C	0.007	0.007	0.005	0.071	0.949	22.643
rs216570	ebi-a-GCST90027161	18	54048379	G/A	0.687	0.313	0.003	0.011	0.812	20.869
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	32.608
rs7589105	ebi-a-GCST90027161	2	20925663	C/T	0.299	0.299	-0.001	0.011	0.937	29.367
rs2980875	ebi-a-GCST90027161	8	126481747	G/A	0.477	0.477	-0.002	0.010	0.869	54.878
rs2963058	ebi-a-GCST90027161	19	23237287	C/T	0.190	0.190	-0.002	0.013	0.866	21.112
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	56.760
rs112784971	ebi-a-GCST90027161	8	59406490	T/C	0.064	0.064	-0.007	0.020	0.736	26.024
rs646776	ebi-a-GCST90027161	1	109818530	T/C	0.779	0.221	-0.008	0.012	0.526	20.076
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	72.358
rs7845662	ebi-a-GCST90027161	8	144972454	C/T	0.555	0.445	-0.008	0.010	0.427	20.025
rs13225450	ebi-a-GCST90027161	7	72976123	T/C	0.126	0.126	-0.009	0.015	0.558	44.214
rs11081037	ebi-a-GCST90027161	18	3353012	G/A	0.524	0.476	-0.009	0.011	0.403	21.694
rs913423	ebi-a-GCST90027161	10	94845036	A/G	0.532	0.468	-0.012	0.010	0.232	20.514

rs7605009	ebi-a-GCST90027161	2	21540399	A/G	0.094	0.094	-0.012	0.018	0.502	22.982
rs73214679	ebi-a-GCST90027161	8	19510168	C/T	0.345	0.345	-0.015	0.011	0.156	27.754
rs10277163	ebi-a-GCST90027161	7	21569089	G/A	0.247	0.247	-0.016	0.012	0.195	20.135
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	90.407
rs72660594	ebi-a-GCST90027161	1	55636240	C/T	0.023	0.023	-0.018	0.031	0.548	64.661
rs59014134	ebi-a-GCST90027161	5	74589385	T/C	0.237	0.237	-0.019	0.012	0.107	36.746
rs3764261	ebi-a-GCST90027161	16	56993324	A/C	0.308	0.308	-0.022	0.011	0.052	96.781
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	26.978
rs187607506	ebi-a-GCST90027161	1	55491915	T/C	0.205	0.205	-0.026	0.016	0.117	25.827
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	27.532
rs112784236	ebi-a-GCST90027161	11	76524089	A/G	0.039	0.039	-0.057	0.028	0.041	21.941

ee cholesterol in very large HDL || id:met-c-9

rs76804362	ebi-a-GCST90027161	2	165333750	G/A	0.016	0.016	0.063	0.040	0.112	19.880
rs12603708	ebi-a-GCST90027161	17	16847113	A/G	0.167	0.167	0.048	0.013	0.000	23.189
rs6073958	ebi-a-GCST90027161	20	44551855	C/T	0.196	0.196	0.031	0.013	0.015	127.018
rs17280601	ebi-a-GCST90027161	7	17102093	T/C	0.058	0.058	0.020	0.023	0.385	20.993
rs11723184	ebi-a-GCST90027161	4	3549293	A/G	0.051	0.051	0.019	0.018	0.301	21.397
rs2070895	ebi-a-GCST90027161	15	58723939	A/G	0.236	0.236	0.013	0.012	0.259	282.270
rs2453489	ebi-a-GCST90027161	12	49259194	G/T	0.961	0.039	0.012	0.025	0.624	19.872
rs4149303	ebi-a-GCST90027161	9	107594515	G/A	0.110	0.110	0.010	0.017	0.560	33.927
rs139474967	ebi-a-GCST90027161	8	51627897	G/A	0.017	0.017	0.005	0.034	0.893	20.344
rs3741521	ebi-a-GCST90027161	12	125264293	A/G	0.638	0.362	0.005	0.011	0.670	32.963
rs11633043	ebi-a-GCST90027161	15	58837722	A/G	0.151	0.151	0.004	0.014	0.754	53.854
rs917021	ebi-a-GCST90027161	4	110200503	C/T	0.116	0.116	0.002	0.016	0.901	21.172
rs7997949	ebi-a-GCST90027161	13	113124530	A/G	0.206	0.206	0.002	0.012	0.873	22.986
rs73302914	ebi-a-GCST90027161	20	56227673	A/G	0.025	0.025	0.001	0.036	0.990	20.372
rs72616395	ebi-a-GCST90027161	4	131628406	A/G	0.099	0.099	-0.002	0.018	0.922	19.932
rs7574167	ebi-a-GCST90027161	2	43150924	A/G	0.213	0.213	-0.002	0.016	0.898	20.173
rs1883025	ebi-a-GCST90027161	9	107664301	T/C	0.226	0.226	-0.002	0.013	0.862	58.568
rs7172127	ebi-a-GCST90027161	15	102061971	C/A	0.603	0.398	-0.003	0.010	0.770	23.954
rs6957745	ebi-a-GCST90027161	7	73056750	C/T	0.192	0.192	-0.003	0.013	0.796	19.602
rs6900403	ebi-a-GCST90027161	6	46085866	C/T	0.608	0.392	-0.004	0.010	0.698	20.881
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	315.820

rs9671881	ebi-a-GCST90027161	14	24297320	A/G	0.568	0.432	-0.008	0.010	0.439	19.638
rs6544366	ebi-a-GCST90027161	2	21204025	T/G	0.247	0.247	-0.011	0.012	0.321	39.222
rs686030	ebi-a-GCST90027161	9	15304782	A/C	0.864	0.136	-0.014	0.015	0.339	36.158
rs11667229	ebi-a-GCST90027161	19	49456001	T/C	0.545	0.455	-0.015	0.011	0.168	20.917
rs4503368	ebi-a-GCST90027161	1	161190250	C/T	0.542	0.458	-0.015	0.010	0.135	40.113
rs77931649	ebi-a-GCST90027161	3	13536220	T/C	0.016	0.016	-0.017	0.038	0.661	24.307
rs59781045	ebi-a-GCST90027161	11	117095283	T/C	0.073	0.073	-0.019	0.019	0.323	20.370
rs3764261	ebi-a-GCST90027161	16	56993324	A/C	0.308	0.308	-0.022	0.011	0.052	202.075

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rs12609102	ebi-a-GCST90027161	19	45385303	T/C	0.014	0.014	0.085	0.037	0.023	22.779
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	19.871
rs174547	ebi-a-GCST90027161	11	61570783	C/T	0.369	0.369	0.034	0.010	0.001	32.470
rs4497739	ebi-a-GCST90027161	17	45616332	C/T	0.447	0.447	0.031	0.010	0.003	23.321
rs11888637	ebi-a-GCST90027161	2	45517967	A/G	0.059	0.059	0.030	0.022	0.173	20.479
rs79915079	ebi-a-GCST90027161	19	11229066	A/G	0.025	0.025	0.027	0.035	0.431	20.839
rs62458152	ebi-a-GCST90027161	7	45105133	G/A	0.093	0.093	0.027	0.019	0.157	20.919
rs75288102	ebi-a-GCST90027161	1	165395592	A/G	0.017	0.017	0.021	0.042	0.607	22.146
rs9533841	ebi-a-GCST90027161	13	44970976	A/G	0.129	0.129	0.021	0.015	0.178	21.076
rs1077835	ebi-a-GCST90027161	15	58723426	G/A	0.236	0.236	0.013	0.012	0.278	48.980
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	31.803
rs76409523	ebi-a-GCST90027161	15	95004997	G/T	0.025	0.025	0.008	0.033	0.810	21.188
rs12626825	ebi-a-GCST90027161	21	19550024	C/A	0.011	0.011	0.004	0.069	0.951	22.666
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	59.909
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	46.761
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	50.022
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	26.711
rs35991656	ebi-a-GCST90027161	3	181517317	A/C	0.085	0.085	-0.004	0.019	0.852	19.894
rs1288691	ebi-a-GCST90027161	3	71403136	T/C	0.300	0.300	-0.006	0.011	0.594	21.330
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	62.881
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	25.976
rs4075673	ebi-a-GCST90027161	2	21150787	C/T	0.566	0.434	-0.011	0.010	0.279	45.162
rs75979138	ebi-a-GCST90027161	7	70182473	A/G	0.035	0.035	-0.012	0.030	0.683	22.069
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	134.212

rs55836855	ebi-a-GCST90027161	8	144999417	T/C	0.406	0.406	-0.013	0.010	0.212	23.056
rs174418	ebi-a-GCST90027161	15	58687603	C/T	0.589	0.412	-0.015	0.010	0.162	30.633
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	54.332
rs4946175	ebi-a-GCST90027161	6	116825977	G/A	0.207	0.207	-0.018	0.012	0.139	24.940
rs12625715	ebi-a-GCST90027161	20	12166249	T/C	0.207	0.207	-0.020	0.012	0.109	20.345
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	20.315
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	48.953
rs112032422	ebi-a-GCST90027161	19	11190292	C/T	0.093	0.093	-0.027	0.023	0.242	111.276
rs76366838	ebi-a-GCST90027161	19	45399896	A/G	0.025	0.025	-0.044	0.032	0.171	20.015
rs141478766	ebi-a-GCST90027161	9	8008413	A/G	0.020	0.020	-0.048	0.035	0.172	20.687
Glutaconylcarnitine										
rs147620456	ebi-a-GCST90027161	1	31384972	T/C	0.975	0.025	0.038	0.036	0.287	20.191
rs61129297	ebi-a-GCST90027161	14	89886563	A/G	0.098	0.098	0.023	0.019	0.208	32.797
rs4653827	ebi-a-GCST90027161	1	227516000	A/G	0.945	0.055	0.020	0.021	0.329	21.155
rs79568915	ebi-a-GCST90027161	5	32969062	T/C	0.020	0.020	0.018	0.044	0.681	19.708
rs12996247	ebi-a-GCST90027161	2	22674222	T/C	0.462	0.462	0.011	0.010	0.301	22.563
rs12444358	ebi-a-GCST90027161	16	57651648	A/C	0.481	0.481	0.003	0.011	0.776	24.806
rs76821060	ebi-a-GCST90027161	11	30190496	T/C	0.051	0.051	-0.002	0.024	0.941	22.113
rs2268607	ebi-a-GCST90027161	11	128667428	T/C	0.884	0.116	-0.007	0.016	0.655	22.880
rs73184758	ebi-a-GCST90027161	8	1953880	T/C	0.885	0.115	-0.010	0.017	0.572	21.376
rs57503656	ebi-a-GCST90027161	7	128211938	T/C	0.078	0.078	-0.012	0.018	0.499	24.820
rs32434	ebi-a-GCST90027161	5	11523516	A/G	0.580	0.421	-0.017	0.010	0.113	23.027
rs8037163	ebi-a-GCST90027161	15	24955615	T/G	0.165	0.165	-0.020	0.014	0.137	24.489
rs139700361	ebi-a-GCST90027161	13	105619043	T/C	0.016	0.016	-0.031	0.046	0.495	20.324
rs146883444	ebi-a-GCST90027161	7	147616793	A/G	0.017	0.017	-0.041	0.030	0.177	20.637
rs9952739	ebi-a-GCST90027161	18	318138	A/G	0.306	0.306	-0.101	0.192	0.600	23.120
Glutaryl carnitine										
rs112787932	ebi-a-GCST90027161	19	32202781	T/C	0.015	0.015	0.076	0.047	0.110	22.613
rs9987634	ebi-a-GCST90027161	9	83872854	A/G	0.310	0.310	0.032	0.011	0.004	20.766
rs118022529	ebi-a-GCST90027161	7	112903912	T/C	0.987	0.013	0.030	0.060	0.621	20.019
rs9313719	ebi-a-GCST90027161	5	157159686	T/C	0.331	0.331	0.027	0.011	0.013	20.279
rs35272377	ebi-a-GCST90027161	17	11180811	A/C	0.018	0.018	0.019	0.044	0.671	20.463
rs62104301	ebi-a-GCST90027161	19	10037786	T/G	0.901	0.099	0.016	0.018	0.381	31.053

rs4376504	ebi-a-GCST90027161	8	26078324	A/G	0.647	0.353	0.008	0.011	0.436	22.454
rs7019364	ebi-a-GCST90027161	9	13739877	A/C	0.787	0.213	0.005	0.012	0.660	21.728
rs11779265	ebi-a-GCST90027161	8	4989141	T/C	0.628	0.372	0.005	0.011	0.642	20.774
rs4241390	ebi-a-GCST90027161	3	68339327	A/G	0.663	0.337	0.003	0.011	0.779	20.593
rs77839506	ebi-a-GCST90027161	13	110629032	A/G	0.024	0.024	0.003	0.039	0.949	19.573
rs62181736	ebi-a-GCST90027161	2	172521425	T/C	0.672	0.328	0.002	0.011	0.858	23.618
rs11997418	ebi-a-GCST90027161	8	96987681	A/G	0.970	0.030	0.001	0.029	0.983	19.815
rs67059717	ebi-a-GCST90027161	11	132788386	T/C	0.211	0.211	-0.008	0.013	0.512	22.721
rs13375749	ebi-a-GCST90027161	1	53695882	T/C	0.814	0.186	-0.017	0.014	0.218	20.199
rs7873416	ebi-a-GCST90027161	9	136131846	T/C	0.662	0.338	-0.017	0.011	0.104	19.928
rs9643656	ebi-a-GCST90027161	8	73598656	T/C	0.442	0.442	-0.018	0.010	0.078	20.401
rs116721082	ebi-a-GCST90027161	5	114038368	A/G	0.978	0.022	-0.022	0.038	0.557	22.236
rs77777333	ebi-a-GCST90027161	11	101562413	T/G	0.010	0.010	-0.025	0.063	0.690	19.510
rs116676458	ebi-a-GCST90027161	2	126669995	A/G	0.986	0.014	-0.030	0.043	0.489	20.960
rs111981462	ebi-a-GCST90027161	15	93328309	A/G	0.021	0.021	-0.032	0.037	0.391	22.944
rs76293328	ebi-a-GCST90027161	21	21256926	A/G	0.009	0.009	-0.035	0.051	0.501	25.289

Hexadecadienylcarnitine

rs77420693	ebi-a-GCST90027161	11	2772104	T/C	0.022	0.022	0.069	0.037	0.058	20.153
rs80349285	ebi-a-GCST90027161	11	33887633	A/G	0.046	0.046	0.024	0.024	0.306	20.127
rs76340184	ebi-a-GCST90027161	6	100297328	T/C	0.049	0.049	0.019	0.023	0.403	20.554
rs115435595	ebi-a-GCST90027161	3	73239123	T/C	0.015	0.015	0.019	0.049	0.703	21.345
rs12199809	ebi-a-GCST90027161	6	53031470	A/G	0.880	0.121	0.013	0.015	0.401	21.859
rs299247	ebi-a-GCST90027161	18	20289772	T/C	0.107	0.107	0.012	0.017	0.492	20.014
rs11612464	ebi-a-GCST90027161	12	126560089	A/G	0.308	0.308	0.008	0.011	0.478	19.574
rs7234216	ebi-a-GCST90027161	18	47288632	A/C	0.546	0.454	0.007	0.010	0.502	21.922
rs34189614	ebi-a-GCST90027161	5	165089689	T/C	0.496	0.496	0.003	0.011	0.780	24.075
rs4884126	ebi-a-GCST90027161	13	79809413	A/G	0.713	0.287	0.003	0.011	0.813	19.574
rs13261335	ebi-a-GCST90027161	8	4491502	A/C	0.225	0.225	-0.002	0.012	0.901	19.710
rs116530753	ebi-a-GCST90027161	4	157707073	A/G	0.038	0.038	-0.003	0.028	0.922	21.035
rs2989987	ebi-a-GCST90027161	1	195781102	T/C	0.608	0.392	-0.005	0.010	0.606	25.134
rs188885119	ebi-a-GCST90027161	6	34626549	T/C	0.014	0.014	-0.027	0.041	0.503	19.706
rs79366468	ebi-a-GCST90027161	3	65853287	A/G	0.896	0.104	-0.028	0.016	0.075	23.018
rs76654068	ebi-a-GCST90027161	6	107958631	A/G	0.981	0.019	-0.033	0.049	0.495	23.932

rs192384836	ebi-a-GCST90027161	7	8282157	A/C	0.972	0.028	-0.036	0.036	0.310	23.617
rs80353761	ebi-a-GCST90027161	11	87587264	A/G	0.014	0.014	-0.038	0.044	0.386	19.703
rs7981571	ebi-a-GCST90027161	13	42020536	T/C	0.975	0.025	-0.052	0.029	0.069	28.177
Hexadecanoylcarnitine										
rs183442038	ebi-a-GCST90027161	19	18045001	T/C	0.017	0.017	0.043	0.037	0.244	23.972
rs111377533	ebi-a-GCST90027161	12	86220444	A/G	0.982	0.018	0.038	0.042	0.368	23.206
rs9942210	ebi-a-GCST90027161	4	111356532	T/C	0.153	0.153	0.036	0.015	0.013	21.054
rs149833139	ebi-a-GCST90027161	2	117431073	A/G	0.984	0.016	0.033	0.046	0.471	20.525
rs112791525	ebi-a-GCST90027161	2	58921166	A/G	0.022	0.022	0.033	0.036	0.354	22.982
rs35193619	ebi-a-GCST90027161	5	99035717	T/C	0.356	0.356	0.026	0.011	0.016	20.047
rs2801009	ebi-a-GCST90027161	20	51793036	T/C	0.208	0.208	0.010	0.012	0.400	21.210
rs11680224	ebi-a-GCST90027161	2	97596234	T/G	0.652	0.348	0.010	0.011	0.356	25.066
rs6790797	ebi-a-GCST90027161	3	68753972	A/G	0.646	0.354	0.007	0.011	0.488	22.706
rs114309531	ebi-a-GCST90027161	4	161483962	A/G	0.037	0.037	0.007	0.025	0.791	24.114
rs3924573	ebi-a-GCST90027161	4	71459248	A/G	0.793	0.207	0.001	0.013	0.917	22.535
rs147998846	ebi-a-GCST90027161	12	128733411	T/C	0.011	0.011	-0.002	0.055	0.975	22.942
rs892120	ebi-a-GCST90027161	19	40759660	T/C	0.829	0.171	-0.008	0.013	0.564	20.159
rs7832412	ebi-a-GCST90027161	8	127012033	T/C	0.412	0.412	-0.011	0.011	0.293	22.109
rs2504329	ebi-a-GCST90027161	6	78301504	A/G	0.980	0.020	-0.013	0.038	0.734	20.345
rs80155463	ebi-a-GCST90027161	12	45159542	T/C	0.826	0.175	-0.014	0.015	0.341	24.174
rs1535728	ebi-a-GCST90027161	13	76084637	T/C	0.288	0.288	-0.016	0.011	0.156	20.839
rs6093896	ebi-a-GCST90027161	20	42558293	T/C	0.988	0.012	-0.045	0.049	0.358	20.734
Hexadecenoylcarnitine										
rs162887	ebi-a-GCST90027161	5	131629165	A/G	0.344	0.344	0.040	0.011	0.000	26.898
rs36130360	ebi-a-GCST90027161	7	413660	A/G	0.232	0.232	0.016	0.012	0.162	20.875
rs78478569	ebi-a-GCST90027161	2	175508844	T/C	0.961	0.039	0.015	0.028	0.577	20.066
rs150642436	ebi-a-GCST90027161	5	170747831	A/G	0.023	0.023	0.010	0.033	0.767	19.572
rs603424	ebi-a-GCST90027161	10	102075479	A/G	0.148	0.148	0.006	0.015	0.691	28.482
rs72832199	ebi-a-GCST90027161	17	5702733	A/G	0.258	0.258	0.005	0.012	0.661	20.958
rs56082736	ebi-a-GCST90027161	2	134337330	T/C	0.290	0.290	0.003	0.011	0.798	20.333
rs4072378	ebi-a-GCST90027161	6	80525539	T/C	0.307	0.307	0.003	0.011	0.811	20.194
rs9521499	ebi-a-GCST90027161	13	110393185	T/C	0.592	0.408	0.002	0.010	0.883	24.016
rs78167323	ebi-a-GCST90027161	1	229342692	A/G	0.957	0.043	-0.002	0.024	0.924	20.774

rs672207	ebi-a-GCST90027161	1	38181153	T/C	0.485	0.485	-0.005	0.010	0.652	21.778
rs6151405	ebi-a-GCST90027161	22	51066699	T/C	0.923	0.077	-0.006	0.018	0.766	20.445
rs1476075	ebi-a-GCST90027161	1	167794406	A/G	0.562	0.438	-0.007	0.010	0.524	19.527
rs11748835	ebi-a-GCST90027161	5	106258427	T/C	0.832	0.169	-0.011	0.013	0.423	22.972
rs886366	ebi-a-GCST90027161	4	7654022	A/G	0.922	0.079	-0.011	0.021	0.591	21.252
rs12612674	ebi-a-GCST90027161	2	53375508	A/G	0.640	0.360	-0.014	0.011	0.186	20.915
rs118074655	ebi-a-GCST90027161	6	117153244	T/C	0.031	0.031	-0.029	0.026	0.263	20.526
rs112219501	ebi-a-GCST90027161	4	115498863	T/C	0.967	0.033	-0.031	0.033	0.344	21.347
rs3107374	ebi-a-GCST90027161	10	113316815	T/C	0.018	0.018	-0.049	0.036	0.167	20.250
rs16851412	ebi-a-GCST90027161	3	141140659	A/G	0.013	0.013	-0.088	0.041	0.033	20.351
Hexanoylcarnitine										
rs11892352	ebi-a-GCST90027161	2	152415619	A/G	0.977	0.023	0.090	0.040	0.025	20.963
rs73317224	ebi-a-GCST90027161	5	172065549	A/C	0.977	0.023	0.043	0.034	0.202	20.158
rs115760190	ebi-a-GCST90027161	1	26222423	A/G	0.020	0.020	0.042	0.039	0.279	19.553
rs4705857	ebi-a-GCST90027161	5	131737030	T/C	0.370	0.370	0.031	0.010	0.003	35.619
rs28016	ebi-a-GCST90027161	5	11522397	A/G	0.419	0.419	0.017	0.010	0.109	23.841
rs900125	ebi-a-GCST90027161	8	72777541	A/G	0.585	0.415	0.016	0.010	0.132	21.461
rs1406219	ebi-a-GCST90027161	2	197997569	T/C	0.022	0.022	0.013	0.036	0.721	19.867
rs150623009	ebi-a-GCST90027161	11	115933356	T/C	0.025	0.025	0.006	0.038	0.874	20.028
rs78155886	ebi-a-GCST90027161	11	45080322	T/C	0.190	0.190	0.005	0.013	0.697	20.859
rs12123977	ebi-a-GCST90027161	1	76209754	A/G	0.286	0.286	0.004	0.011	0.717	348.210
rs113702013	ebi-a-GCST90027161	1	177862333	T/C	0.168	0.168	0.004	0.013	0.768	21.444
rs2278325	ebi-a-GCST90027161	5	38881538	T/C	0.504	0.496	0.003	0.010	0.791	20.898
rs1171615	ebi-a-GCST90027161	10	61469090	T/C	0.801	0.199	0.001	0.013	0.915	84.683
rs77719586	ebi-a-GCST90027161	3	48469628	T/C	0.994	0.006	0.001	0.089	0.992	25.686
rs2555629	ebi-a-GCST90027161	4	175430288	T/G	0.668	0.332	0.001	0.011	0.967	20.948
rs17843929	ebi-a-GCST90027161	4	159637113	T/C	0.255	0.255	0.000	0.012	0.989	74.970
rs77311704	ebi-a-GCST90027161	7	155976649	A/G	0.818	0.182	-0.002	0.014	0.915	20.151
rs12507905	ebi-a-GCST90027161	4	25464527	T/C	0.867	0.133	-0.004	0.015	0.784	21.292
rs62018872	ebi-a-GCST90027161	16	8635093	A/G	0.101	0.101	-0.013	0.018	0.468	26.409
rs7164861	ebi-a-GCST90027161	15	89125815	T/C	0.048	0.048	-0.018	0.022	0.416	20.294
rs9967838	ebi-a-GCST90027161	2	27968454	A/C	0.390	0.390	-0.019	0.016	0.220	20.385
rs1153872	ebi-a-GCST90027161	3	135955800	A/G	0.563	0.437	-0.020	0.010	0.056	22.271

rs17573673	ebi-a-GCST90027161	4	47938879	A/G	0.094	0.094	-0.020	0.017	0.228	21.474
rs149556176	ebi-a-GCST90027161	1	75436832	T/C	0.990	0.010	-0.050	0.065	0.440	128.153

Hexenoylcarnitine

rs114670597	ebi-a-GCST90027161	5	37788185	T/C	0.989	0.011	0.108	0.050	0.031	25.592
rs113303683	ebi-a-GCST90027161	9	110309110	A/G	0.981	0.019	0.076	0.038	0.048	24.149
rs73204703	ebi-a-GCST90027161	8	19622801	T/C	0.152	0.152	0.023	0.015	0.117	19.739
rs192283845	ebi-a-GCST90027161	3	83493936	A/G	0.982	0.019	0.018	0.035	0.607	21.451
rs112771816	ebi-a-GCST90027161	7	91854327	T/C	0.113	0.113	0.004	0.016	0.811	21.591
rs10885506	ebi-a-GCST90027161	10	84681635	T/G	0.597	0.403	0.003	0.010	0.772	21.076
rs9389565	ebi-a-GCST90027161	6	138465225	A/G	0.889	0.111	0.000	0.016	0.993	22.891
rs116884869	ebi-a-GCST90027161	7	50623853	A/G	0.024	0.024	-0.002	0.031	0.958	19.925
rs1163446	ebi-a-GCST90027161	3	109032900	T/C	0.194	0.194	-0.010	0.013	0.420	22.143
rs141908590	ebi-a-GCST90027161	5	132625700	A/G	0.024	0.024	-0.014	0.032	0.659	21.935
rs147727161	ebi-a-GCST90027161	5	83846497	A/G	0.007	0.007	-0.016	0.063	0.803	20.744
rs145590319	ebi-a-GCST90027161	2	168615804	A/G	0.982	0.018	-0.026	0.036	0.466	25.212
rs4015783	ebi-a-GCST90027161	7	149733368	T/C	0.916	0.084	-0.032	0.019	0.100	19.925
rs56172867	ebi-a-GCST90027161	6	154995810	A/G	0.053	0.053	-0.036	0.025	0.151	19.915
rs12074557	ebi-a-GCST90027161	1	202782257	A/G	0.070	0.070	-0.039	0.020	0.056	20.727

High density lipoprotein cholesterol levels

rs117729195	ebi-a-GCST90027161	8	61235476	A/G	0.011	0.011	0.073	0.062	0.236	23.451
rs146439891	ebi-a-GCST90027161	19	8410381	T/C	0.020	0.020	0.068	0.036	0.062	580.607
rs171989	ebi-a-GCST90027161	13	48969383	A/G	0.008	0.008	0.062	0.075	0.411	77.536
rs144677686	ebi-a-GCST90027161	5	132413784	A/G	0.025	0.025	0.055	0.032	0.085	25.081
rs169687	ebi-a-GCST90027161	15	63708700	T/C	0.014	0.014	0.051	0.051	0.321	165.847
rs41874	ebi-a-GCST90027161	7	3867722	C/T	0.952	0.048	0.050	0.026	0.050	329.374
rs116847251	ebi-a-GCST90027161	20	42958768	A/G	0.047	0.047	0.050	0.023	0.031	372.200
rs1157899	ebi-a-GCST90027161	5	92720306	C/T	0.005	0.005	0.049	0.117	0.675	20.495
rs2845885	ebi-a-GCST90027161	11	63869062	C/T	0.061	0.061	0.049	0.022	0.024	184.232
rs6218	ebi-a-GCST90027161	12	102793633	A/G	0.972	0.028	0.044	0.025	0.085	422.879
rs2845384	ebi-a-GCST90027161	22	17532449	G/A	0.181	0.181	0.043	0.014	0.002	85.942
rs1122785	ebi-a-GCST90027161	12	2504717	G/A	0.052	0.052	0.036	0.022	0.103	226.471
rs731928	ebi-a-GCST90027161	10	117330398	T/C	0.021	0.021	0.035	0.037	0.341	56.428
rs7732143	ebi-a-GCST90027161	5	11730310	G/A	0.976	0.024	0.035	0.041	0.387	48.585

rs174533	ebi-a-GCST90027161	11	61549025	A/G	0.371	0.371	0.035	0.010	0.001	978.013
rs2416797	ebi-a-GCST90027161	9	123480600	C/A	0.282	0.282	0.034	0.012	0.003	37.366
rs7135514	ebi-a-GCST90027161	12	112448485	T/C	0.138	0.138	0.033	0.015	0.024	62.574
rs11398	ebi-a-GCST90027161	6	57053947	G/A	0.161	0.161	0.033	0.014	0.020	153.120
rs2169387	ebi-a-GCST90027161	8	9181395	A/G	0.113	0.113	0.033	0.016	0.041	1467.024
rs58847685	ebi-a-GCST90027161	20	44544947	C/T	0.171	0.171	0.032	0.014	0.021	1037.405
rs117198528	ebi-a-GCST90027161	18	47220558	G/T	0.017	0.017	0.032	0.041	0.438	93.744
rs7528	ebi-a-GCST90027161	19	541917	T/C	0.073	0.073	0.032	0.020	0.119	167.923
rs599363	ebi-a-GCST90027161	1	110218486	G/T	0.251	0.251	0.031	0.023	0.183	71.571
rs271354	ebi-a-GCST90027161	1	30151654	A/G	0.258	0.258	0.031	0.012	0.007	616.769
rs35615194	ebi-a-GCST90027161	1	27118171	C/T	0.079	0.079	0.031	0.019	0.103	293.384
rs756325	ebi-a-GCST90027161	1	110478064	C/T	0.195	0.195	0.030	0.013	0.021	31.919
rs4969142	ebi-a-GCST90027161	17	76398304	A/G	0.542	0.458	0.030	0.010	0.004	446.088
rs34884	ebi-a-GCST90027161	3	10523188	G/A	0.940	0.060	0.029	0.022	0.183	281.407
rs7838787	ebi-a-GCST90027161	8	2668924	A/G	0.876	0.124	0.028	0.015	0.063	68.555
rs9833523	ebi-a-GCST90027161	3	114491182	G/A	0.156	0.156	0.028	0.015	0.058	58.329
rs736122	ebi-a-GCST90027161	12	113906626	A/G	0.092	0.092	0.027	0.018	0.122	886.787
rs17193211	ebi-a-GCST90027161	21	38885506	T/C	0.067	0.067	0.027	0.021	0.187	36.986
rs73165513	ebi-a-GCST90027161	7	150527562	C/A	0.123	0.123	0.027	0.015	0.068	111.060
rs62489456	ebi-a-GCST90027161	8	4837331	T/G	0.085	0.085	0.026	0.017	0.131	26.649
rs11635491	ebi-a-GCST90027161	15	58719741	A/G	0.278	0.278	0.026	0.011	0.023	2552.600
rs621172	ebi-a-GCST90027161	11	100828035	T/C	0.859	0.141	0.025	0.015	0.091	190.126
rs28567	ebi-a-GCST90027161	12	31194651	G/A	0.062	0.062	0.025	0.021	0.240	74.469
rs77986988	ebi-a-GCST90027161	16	56305102	A/G	0.076	0.076	0.025	0.019	0.189	83.463
rs37212	ebi-a-GCST90027161	5	142333003	T/C	0.800	0.200	0.023	0.013	0.067	94.110
rs433322	ebi-a-GCST90027161	16	85924572	G/A	0.330	0.330	0.023	0.011	0.034	42.340
rs277779	ebi-a-GCST90027161	8	94330303	T/C	0.161	0.161	0.023	0.015	0.121	668.422
rs1275281	ebi-a-GCST90027161	10	59066882	T/C	0.967	0.033	0.022	0.030	0.447	25.191
rs779498	ebi-a-GCST90027161	3	191422105	C/T	0.562	0.439	0.022	0.010	0.028	45.842
rs231364	ebi-a-GCST90027161	11	2682676	A/G	0.070	0.070	0.022	0.022	0.307	27.320
rs584616	ebi-a-GCST90027161	6	137962946	T/G	0.020	0.020	0.022	0.038	0.564	119.175
rs4583235	ebi-a-GCST90027161	16	56758596	A/G	0.105	0.105	0.021	0.017	0.209	1132.581
rs73239573	ebi-a-GCST90027161	12	20592268	A/G	0.045	0.045	0.021	0.026	0.421	53.977

rs1712	ebi-a-GCST90027161	6	153291865	T/C	0.172	0.172	0.021	0.014	0.124	1314.701
rs7438137	ebi-a-GCST90027161	4	76753036	T/C	0.412	0.412	0.020	0.010	0.051	21.364
rs6457622	ebi-a-GCST90027161	6	32664163	C/A	0.370	0.370	0.020	0.010	0.053	48.725
rs1225598	ebi-a-GCST90027161	6	28160799	G/T	0.230	0.230	0.020	0.013	0.110	34.525
rs1767141	ebi-a-GCST90027161	1	23734350	A/C	0.092	0.092	0.020	0.018	0.266	88.769
rs12286	ebi-a-GCST90027161	15	79051759	T/C	0.382	0.382	0.020	0.011	0.064	1311.032
rs469138	ebi-a-GCST90027161	21	21175072	T/C	0.899	0.102	0.020	0.017	0.241	96.199
rs684724	ebi-a-GCST90027161	11	133936423	T/C	0.336	0.336	0.020	0.011	0.066	31.079
rs7875	ebi-a-GCST90027161	5	137088049	G/A	0.217	0.217	0.019	0.012	0.119	106.798
rs117175595	ebi-a-GCST90027161	18	46036362	A/G	0.034	0.034	0.018	0.028	0.517	24.443
rs16873	ebi-a-GCST90027161	1	49136307	C/T	0.587	0.413	0.018	0.011	0.096	44.643
rs1689797	ebi-a-GCST90027161	1	182150978	A/C	0.317	0.317	0.018	0.011	0.109	314.250
rs34725387	ebi-a-GCST90027161	12	109872909	T/C	0.071	0.071	0.017	0.019	0.366	29.392
rs1168422	ebi-a-GCST90027161	14	38761459	G/A	0.582	0.419	0.017	0.010	0.094	62.631
rs983663	ebi-a-GCST90027161	18	19678537	C/T	0.257	0.257	0.017	0.012	0.139	44.539
rs1164587	ebi-a-GCST90027161	13	97043718	G/A	0.874	0.126	0.017	0.015	0.270	923.293
rs718636	ebi-a-GCST90027161	11	29082477	A/G	0.038	0.038	0.017	0.025	0.503	847.921
rs11748338	ebi-a-GCST90027161	5	125552830	C/T	0.271	0.271	0.016	0.011	0.149	21.727
rs726635	ebi-a-GCST90027161	10	69408311	T/C	0.027	0.027	0.016	0.026	0.531	566.563
rs11226	ebi-a-GCST90027161	12	1021813	A/G	0.464	0.464	0.016	0.010	0.113	104.218
rs117911817	ebi-a-GCST90027161	15	58854753	A/G	0.024	0.024	0.016	0.031	0.600	70.305
rs4821815	ebi-a-GCST90027161	22	39105707	A/G	0.341	0.341	0.016	0.011	0.137	65.576
rs515939	ebi-a-GCST90027161	11	57432629	A/G	0.279	0.279	0.016	0.011	0.159	38.139
rs287885	ebi-a-GCST90027161	6	157124098	A/G	0.574	0.426	0.016	0.010	0.132	284.426
rs4613	ebi-a-GCST90027161	2	241653287	C/T	0.297	0.297	0.016	0.015	0.289	34.204
rs2317677	ebi-a-GCST90027161	17	45393407	G/A	0.342	0.342	0.016	0.011	0.150	44.115
rs9425332	ebi-a-GCST90027161	1	172448251	G/T	0.313	0.313	0.015	0.011	0.163	44.558
rs4712482	ebi-a-GCST90027161	6	20301011	A/G	0.268	0.268	0.015	0.011	0.196	31.587
rs7276959	ebi-a-GCST90027161	21	36462258	T/C	0.213	0.213	0.015	0.012	0.231	29.980
rs949171	ebi-a-GCST90027161	11	77638467	T/C	0.414	0.414	0.015	0.010	0.153	110.238
rs6679686	ebi-a-GCST90027161	1	4731541	G/A	0.231	0.231	0.014	0.012	0.240	58.011
rs142728359	ebi-a-GCST90027161	4	111110571	T/C	0.064	0.064	0.014	0.021	0.498	21.175
rs638491	ebi-a-GCST90027161	9	15290012	A/G	0.151	0.151	0.014	0.014	0.321	311.921

rs6749375	ebi-a-GCST90027161	2	636017	C/T	0.168	0.168	0.014	0.014	0.301	52.650
rs177264	ebi-a-GCST90027161	1	54953955	A/G	0.124	0.124	0.014	0.015	0.359	69.086
rs2276	ebi-a-GCST90027161	4	47476876	T/C	0.738	0.262	0.014	0.012	0.232	37.135
rs2713916	ebi-a-GCST90027161	15	56624764	A/G	0.393	0.393	0.014	0.010	0.175	28.783
rs77572134	ebi-a-GCST90027161	3	52895934	C/T	0.125	0.125	0.014	0.016	0.376	97.599
rs1153516	ebi-a-GCST90027161	3	2283337	C/T	0.928	0.072	0.014	0.020	0.479	157.265
rs7756131	ebi-a-GCST90027161	6	155809690	A/G	0.736	0.264	0.014	0.012	0.234	222.969
rs197393	ebi-a-GCST90027161	1	112298829	C/T	0.412	0.412	0.014	0.010	0.178	30.557
rs178752	ebi-a-GCST90027161	14	23690369	T/C	0.571	0.429	0.013	0.010	0.201	154.946
rs3491	ebi-a-GCST90027161	8	102195318	C/T	0.268	0.268	0.013	0.012	0.256	491.198
rs35693912	ebi-a-GCST90027161	9	34255267	A/G	0.270	0.270	0.013	0.011	0.254	22.364
rs797199	ebi-a-GCST90027161	13	33768347	G/A	0.649	0.351	0.013	0.011	0.221	220.811
rs1926715	ebi-a-GCST90027161	13	111538590	G/A	0.403	0.403	0.013	0.010	0.209	34.061
rs12336	ebi-a-GCST90027161	12	4960117	G/A	0.576	0.425	0.013	0.010	0.216	47.190
rs568831	ebi-a-GCST90027161	18	529676	G/A	0.897	0.103	0.013	0.017	0.445	900.834
rs1638433	ebi-a-GCST90027161	10	118461916	T/G	0.449	0.449	0.012	0.010	0.225	21.739
rs715165	ebi-a-GCST90027161	6	4100540	T/C	0.109	0.109	0.012	0.015	0.422	664.641
rs9593498	ebi-a-GCST90027161	13	81446848	A/G	0.136	0.136	0.012	0.015	0.413	26.356
rs17599629	ebi-a-GCST90027161	1	150658287	G/A	0.217	0.217	0.012	0.013	0.339	142.676
rs2943645	ebi-a-GCST90027161	2	227099180	C/T	0.360	0.360	0.012	0.011	0.247	677.932
rs1897	ebi-a-GCST90027161	2	43090981	G/A	0.948	0.052	0.012	0.022	0.585	88.256
rs3591	ebi-a-GCST90027161	18	77138068	G/A	0.467	0.467	0.012	0.010	0.241	196.975
rs991277	ebi-a-GCST90027161	4	105499575	T/C	0.312	0.312	0.012	0.011	0.275	65.449
rs1451194	ebi-a-GCST90027161	10	36457297	T/C	0.384	0.384	0.012	0.010	0.256	26.353
rs752282	ebi-a-GCST90027161	5	177682372	C/T	0.894	0.106	0.012	0.016	0.470	24.634
rs7743	ebi-a-GCST90027161	15	93441267	A/G	0.539	0.461	0.012	0.010	0.254	21.803
rs12914	ebi-a-GCST90027161	8	41120152	G/A	0.376	0.376	0.012	0.010	0.267	535.643
rs11726625	ebi-a-GCST90027161	4	160497626	A/G	0.414	0.414	0.011	0.010	0.264	324.943
rs3775379	ebi-a-GCST90027161	4	89739903	G/A	0.502	0.498	0.011	0.010	0.273	181.026
rs553427	ebi-a-GCST90027161	1	234852760	C/T	0.463	0.463	0.011	0.010	0.281	150.831
rs326358	ebi-a-GCST90027161	3	107822310	C/T	0.362	0.362	0.011	0.011	0.297	35.056
rs693293	ebi-a-GCST90027161	3	138409176	G/A	0.107	0.107	0.011	0.016	0.499	204.611
rs9346818	ebi-a-GCST90027161	6	160914460	A/G	0.379	0.379	0.011	0.011	0.297	82.335

rs33456	ebi-a-GCST90027161	3	42403359	A/G	0.016	0.016	0.011	0.042	0.798	46.173
rs7616943	ebi-a-GCST90027161	3	152001236	G/A	0.154	0.154	0.011	0.014	0.434	24.655
rs17549213	ebi-a-GCST90027161	3	88073767	A/G	0.391	0.391	0.011	0.010	0.305	25.950
rs228591	ebi-a-GCST90027161	11	108097333	C/T	0.573	0.427	0.011	0.010	0.304	932.434
rs12917463	ebi-a-GCST90027161	15	70775090	C/T	0.187	0.187	0.010	0.014	0.474	26.166
rs3732359	ebi-a-GCST90027161	3	119536429	G/A	0.267	0.267	0.010	0.011	0.349	65.009
rs556876	ebi-a-GCST90027161	5	22553056	T/C	0.567	0.434	0.010	0.010	0.320	95.782
rs6142137	ebi-a-GCST90027161	20	32903904	C/T	0.451	0.451	0.010	0.010	0.317	150.833
rs14197	ebi-a-GCST90027161	1	202993848	A/G	0.354	0.354	0.010	0.011	0.349	499.168
rs379465	ebi-a-GCST90027161	17	75388311	C/T	0.784	0.216	0.010	0.012	0.421	891.119
rs726655	ebi-a-GCST90027161	7	79096575	C/T	0.638	0.362	0.010	0.011	0.348	67.046
rs38473	ebi-a-GCST90027161	7	30593556	A/G	0.818	0.182	0.010	0.013	0.454	1410.222
rs11584611	ebi-a-GCST90027161	1	72741829	T/C	0.515	0.486	0.010	0.010	0.346	34.130
rs1416229	ebi-a-GCST90027161	1	100222403	A/G	0.697	0.303	0.010	0.011	0.385	568.094
rs788158	ebi-a-GCST90027161	2	172942897	C/T	0.228	0.228	0.010	0.013	0.465	378.364
rs11588	ebi-a-GCST90027161	9	36163002	C/T	0.747	0.253	0.009	0.012	0.460	24.225
rs3924773	ebi-a-GCST90027161	3	15796853	G/A	0.401	0.401	0.009	0.010	0.385	60.076
rs4795386	ebi-a-GCST90027161	17	37746847	A/G	0.268	0.268	0.009	0.012	0.440	335.310
rs1693996	ebi-a-GCST90027161	19	47281252	T/C	0.238	0.238	0.009	0.012	0.450	19.533
rs41272	ebi-a-GCST90027161	7	28644766	A/G	0.393	0.393	0.009	0.011	0.408	637.041
rs532436	ebi-a-GCST90027161	9	136149830	A/G	0.624	0.376	0.009	0.013	0.491	94.945
rs2279239	ebi-a-GCST90027161	11	47281780	C/T	0.338	0.338	0.009	0.011	0.419	776.825
rs9838428	ebi-a-GCST90027161	3	66842859	G/T	0.115	0.115	0.009	0.017	0.615	24.819
rs1153288	ebi-a-GCST90027161	21	30686091	G/A	0.402	0.402	0.008	0.010	0.418	47.113
rs4148	ebi-a-GCST90027161	4	190351843	T/C	0.186	0.186	0.008	0.014	0.538	174.131
rs375112	ebi-a-GCST90027161	6	90593010	T/C	0.112	0.112	0.008	0.015	0.574	134.300
rs2294891	ebi-a-GCST90027161	20	46288566	G/T	0.291	0.291	0.008	0.011	0.460	45.883
rs7597855	ebi-a-GCST90027161	2	13668891	C/T	0.098	0.098	0.008	0.017	0.623	251.982
rs11123698	ebi-a-GCST90027161	2	109121041	C/T	0.585	0.415	0.008	0.010	0.434	145.544
rs41269133	ebi-a-GCST90027161	6	161087863	C/T	0.108	0.108	0.008	0.016	0.609	27.620
rs723791	ebi-a-GCST90027161	10	17725366	T/G	0.135	0.135	0.008	0.015	0.594	23.191
rs2642438	ebi-a-GCST90027161	1	220970028	A/G	0.296	0.296	0.008	0.011	0.481	321.420
rs6779727	ebi-a-GCST90027161	3	136137682	T/C	0.152	0.152	0.008	0.015	0.608	175.344

rs1867696	ebi-a-GCST90027161	19	4024982	C/T	0.281	0.281	0.008	0.011	0.496	88.668
rs673335	ebi-a-GCST90027161	11	75450576	C/T	0.195	0.195	0.008	0.012	0.523	272.533
rs646776	ebi-a-GCST90027161	1	109818530	C/T	0.221	0.221	0.008	0.012	0.526	441.276
rs78254822	ebi-a-GCST90027161	9	13389263	C/T	0.144	0.144	0.008	0.015	0.599	22.027
rs1487265	ebi-a-GCST90027161	3	113694833	A/G	0.261	0.261	0.008	0.012	0.527	46.499
rs297214	ebi-a-GCST90027161	5	17130796	T/C	0.974	0.026	0.008	0.028	0.788	650.311
rs62253188	ebi-a-GCST90027161	3	69941473	A/G	0.329	0.329	0.007	0.011	0.492	24.863
rs2875535	ebi-a-GCST90027161	13	68202857	G/A	0.801	0.199	0.007	0.013	0.592	59.066
rs1613599	ebi-a-GCST90027161	2	58966760	T/C	0.443	0.443	0.007	0.010	0.500	60.737
rs9374588	ebi-a-GCST90027161	6	116311701	A/G	0.315	0.315	0.007	0.011	0.528	85.119
rs7254374	ebi-a-GCST90027161	19	52435467	A/G	0.209	0.209	0.007	0.012	0.583	85.059
rs938927	ebi-a-GCST90027161	1	241215740	T/C	0.681	0.319	0.007	0.011	0.538	34.675
rs291422	ebi-a-GCST90027161	2	191131691	T/C	0.209	0.209	0.007	0.013	0.615	80.653
rs2925979	ebi-a-GCST90027161	16	81534790	T/C	0.304	0.304	0.007	0.011	0.555	537.648
rs35369952	ebi-a-GCST90027161	5	124547821	A/G	0.193	0.193	0.007	0.013	0.608	37.340
rs3754749	ebi-a-GCST90027161	2	173906149	G/A	0.166	0.166	0.007	0.014	0.634	51.797
rs55665473	ebi-a-GCST90027161	10	46022005	A/G	0.256	0.256	0.007	0.011	0.562	266.429
rs731274	ebi-a-GCST90027161	11	14273677	A/G	0.159	0.159	0.006	0.013	0.627	92.123
rs1112522	ebi-a-GCST90027161	3	39699382	A/G	0.778	0.223	0.006	0.013	0.634	516.539
rs12718261	ebi-a-GCST90027161	7	50329906	A/C	0.361	0.361	0.006	0.011	0.566	75.721
rs543628	ebi-a-GCST90027161	6	103647736	A/G	0.929	0.071	0.006	0.021	0.773	106.228
rs26528	ebi-a-GCST90027161	16	28517709	C/T	0.492	0.492	0.006	0.010	0.557	94.824
rs11696219	ebi-a-GCST90027161	20	46344569	T/C	0.176	0.176	0.006	0.014	0.677	88.097
rs6983961	ebi-a-GCST90027161	8	13194007	G/T	0.492	0.492	0.005	0.010	0.611	20.348
rs2362541	ebi-a-GCST90027161	2	30478453	T/G	0.523	0.477	0.005	0.010	0.631	41.612
rs1432	ebi-a-GCST90027161	7	11486939	A/G	0.017	0.017	0.005	0.046	0.917	111.126
rs39436	ebi-a-GCST90027161	7	25116332	T/C	0.528	0.472	0.005	0.010	0.641	78.932
rs4582	ebi-a-GCST90027161	2	27604279	A/G	0.595	0.405	0.005	0.010	0.640	42.284
rs7229	ebi-a-GCST90027161	14	64692825	A/G	0.564	0.436	0.005	0.010	0.642	141.013
rs2319687	ebi-a-GCST90027161	14	21645745	C/T	0.459	0.459	0.005	0.010	0.655	21.335
rs37298	ebi-a-GCST90027161	7	41356114	T/C	0.722	0.278	0.005	0.012	0.689	540.302
rs55966152	ebi-a-GCST90027161	15	58561006	G/A	0.147	0.147	0.005	0.015	0.761	1031.781
rs4554194	ebi-a-GCST90027161	5	92510324	A/G	0.314	0.314	0.005	0.011	0.674	19.528

rs696817	ebi-a-GCST90027161	2	198722225	A/G	0.348	0.348	0.005	0.011	0.668	254.341
rs11789723	ebi-a-GCST90027161	9	96036574	T/C	0.121	0.121	0.004	0.015	0.772	52.995
rs9626	ebi-a-GCST90027161	9	138903671	G/A	0.728	0.272	0.004	0.012	0.712	35.864
rs993816	ebi-a-GCST90027161	18	69401985	C/T	0.294	0.294	0.004	0.012	0.707	1843.941
rs2953874	ebi-a-GCST90027161	8	146129268	G/A	0.392	0.392	0.004	0.010	0.688	20.934
rs3114	ebi-a-GCST90027161	5	39285886	A/G	0.440	0.440	0.004	0.010	0.686	47.894
rs11858463	ebi-a-GCST90027161	15	70376817	G/T	0.278	0.278	0.004	0.011	0.725	23.947
rs2792743	ebi-a-GCST90027161	10	113903510	A/G	0.380	0.380	0.004	0.011	0.705	193.927
rs288119	ebi-a-GCST90027161	2	141492700	C/T	0.862	0.138	0.004	0.015	0.790	34.300
rs13188599	ebi-a-GCST90027161	5	56096029	T/C	0.311	0.311	0.004	0.011	0.717	31.964
rs679661	ebi-a-GCST90027161	12	78722705	A/G	0.433	0.433	0.004	0.010	0.709	141.331
rs3969	ebi-a-GCST90027161	13	50192259	G/A	0.434	0.434	0.004	0.010	0.710	238.583
rs282126	ebi-a-GCST90027161	6	89959080	C/T	0.766	0.234	0.004	0.013	0.767	39.245
rs77424484	ebi-a-GCST90027161	6	31432587	C/T	0.025	0.025	0.004	0.032	0.914	85.843
rs9386798	ebi-a-GCST90027161	6	109639971	C/T	0.333	0.333	0.003	0.011	0.758	142.951
rs284194	ebi-a-GCST90027161	1	92237037	G/A	0.635	0.365	0.003	0.011	0.759	273.690
rs6485645	ebi-a-GCST90027161	11	45862353	A/G	0.497	0.497	0.003	0.010	0.753	31.229
rs1834443	ebi-a-GCST90027161	2	125141538	G/A	0.862	0.138	0.003	0.015	0.838	81.966
rs59129757	ebi-a-GCST90027161	2	20430609	A/G	0.345	0.345	0.003	0.011	0.774	27.585
rs7497973	ebi-a-GCST90027161	15	23948571	G/A	0.526	0.474	0.003	0.010	0.771	49.463
rs6487543	ebi-a-GCST90027161	12	26438189	G/A	0.218	0.218	0.003	0.013	0.820	27.427
rs2971677	ebi-a-GCST90027161	7	44192260	A/C	0.171	0.171	0.003	0.013	0.828	20.472
rs12538848	ebi-a-GCST90027161	7	106984569	T/G	0.204	0.204	0.003	0.013	0.835	64.029
rs177273	ebi-a-GCST90027161	5	162729272	C/T	0.571	0.430	0.003	0.010	0.796	274.859
rs17829873	ebi-a-GCST90027161	2	160857647	T/G	0.398	0.398	0.002	0.010	0.828	23.582
rs287293	ebi-a-GCST90027161	2	17388340	A/G	0.190	0.190	0.002	0.013	0.860	315.390
rs12243151	ebi-a-GCST90027161	10	4250084	G/A	0.403	0.403	0.002	0.010	0.843	21.612
rs28658236	ebi-a-GCST90027161	1	1868485	A/G	0.222	0.222	0.002	0.013	0.865	24.921
rs771	ebi-a-GCST90027161	4	130070886	C/T	0.374	0.374	0.002	0.011	0.844	76.036
rs813795	ebi-a-GCST90027161	11	19274928	C/T	0.797	0.204	0.002	0.013	0.876	174.090
rs21327	ebi-a-GCST90027161	1	146528521	C/T	0.708	0.292	0.002	0.011	0.858	19.779
rs24178	ebi-a-GCST90027161	8	53342536	A/G	0.251	0.251	0.002	0.012	0.867	41.001
rs7698533	ebi-a-GCST90027161	4	134932885	C/T	0.790	0.210	0.002	0.013	0.878	23.145

rs836498	ebi-a-GCST90027161	7	6453699	T/C	0.459	0.459	0.002	0.010	0.848	212.601
rs13871	ebi-a-GCST90027161	1	43212291	G/A	0.965	0.035	0.002	0.030	0.955	61.334
rs17776569	ebi-a-GCST90027161	8	103890807	G/T	0.209	0.209	0.002	0.012	0.886	53.812
rs1154365	ebi-a-GCST90027161	3	7054152	T/C	0.762	0.238	0.002	0.013	0.901	199.682
rs17875416	ebi-a-GCST90027161	10	115796337	G/A	0.113	0.113	0.002	0.017	0.926	204.298
rs7661844	ebi-a-GCST90027161	4	87468625	C/T	0.468	0.468	0.002	0.010	0.882	58.582
rs35597	ebi-a-GCST90027161	16	16158034	T/C	0.485	0.485	0.001	0.010	0.891	35.527
rs696925	ebi-a-GCST90027161	13	93716788	T/C	0.569	0.431	0.001	0.014	0.920	100.862
rs6981261	ebi-a-GCST90027161	8	23596063	T/C	0.246	0.246	0.001	0.012	0.908	20.701
rs273359	ebi-a-GCST90027161	18	32596501	T/C	0.392	0.392	0.001	0.011	0.901	42.719
rs4461	ebi-a-GCST90027161	22	35695802	T/C	0.635	0.365	0.001	0.011	0.902	935.884
rs56332871	ebi-a-GCST90027161	15	96714816	A/C	0.275	0.275	0.001	0.011	0.913	50.945
rs2582521	ebi-a-GCST90027161	14	105310677	T/G	0.198	0.198	0.001	0.012	0.925	40.562
rs797348	ebi-a-GCST90027161	14	34637150	T/C	0.668	0.332	0.001	0.011	0.913	28.659
rs658994	ebi-a-GCST90027161	3	165373046	G/A	0.103	0.103	0.001	0.018	0.952	286.549
rs224177	ebi-a-GCST90027161	16	3165051	C/T	0.589	0.411	0.001	0.010	0.927	1344.079
rs3925	ebi-a-GCST90027161	8	38281658	C/T	0.787	0.213	0.001	0.013	0.946	22.604
rs1344	ebi-a-GCST90027161	1	147119273	T/C	0.582	0.418	0.001	0.010	0.934	231.900
rs4836867	ebi-a-GCST90027161	9	124621534	T/C	0.290	0.290	0.001	0.011	0.946	24.925
rs343956	ebi-a-GCST90027161	2	44943441	T/C	0.613	0.387	0.001	0.011	0.950	28.101
rs14229	ebi-a-GCST90027161	11	10877121	A/G	0.565	0.435	0.001	0.010	0.952	426.025
rs4519576	ebi-a-GCST90027161	2	48966146	C/T	0.455	0.455	0.001	0.010	0.954	65.890
rs7711222	ebi-a-GCST90027161	5	84404890	T/C	0.497	0.497	0.001	0.010	0.954	528.688
rs7745592	ebi-a-GCST90027161	6	63425424	T/C	0.498	0.498	0.001	0.010	0.954	130.369
rs138727474	ebi-a-GCST90027161	22	21926584	T/C	0.040	0.040	0.001	0.027	0.987	111.220
rs484684	ebi-a-GCST90027161	6	69573882	T/G	0.444	0.444	0.001	0.010	0.958	1054.529
rs194368	ebi-a-GCST90027161	5	59179484	C/T	0.177	0.177	0.000	0.014	0.982	235.101
rs456867	ebi-a-GCST90027161	5	55811092	T/C	0.195	0.195	0.000	0.012	0.980	112.168
rs274974	ebi-a-GCST90027161	12	20409333	A/G	0.150	0.150	0.000	0.015	0.997	65.520
rs776429	ebi-a-GCST90027161	12	69916938	A/G	0.335	0.335	0.000	0.011	0.992	45.139
rs1874321	ebi-a-GCST90027161	3	65815057	A/G	0.629	0.372	0.000	0.011	0.971	42.592
rs9981635	ebi-a-GCST90027161	21	46854866	A/G	0.230	0.230	0.000	0.012	0.975	90.051
rs1197673	ebi-a-GCST90027161	15	42150217	A/G	0.293	0.293	-0.001	0.011	0.944	48.979

rs1992	ebi-a-GCST90027161	17	29859016	G/A	0.744	0.256	-0.001	0.012	0.948	34.774
rs7817574	ebi-a-GCST90027161	8	144302570	C/T	0.215	0.215	-0.001	0.012	0.937	244.542
rs989326	ebi-a-GCST90027161	2	230020848	A/G	0.345	0.345	-0.001	0.011	0.933	39.797
rs623751	ebi-a-GCST90027161	4	38125240	T/C	0.670	0.330	-0.001	0.011	0.923	23.817
rs7818	ebi-a-GCST90027161	6	150132092	A/G	0.642	0.358	-0.001	0.011	0.927	257.776
rs6589562	ebi-a-GCST90027161	11	116583439	A/G	0.217	0.217	-0.001	0.012	0.910	232.963
rs446583	ebi-a-GCST90027161	14	44968023	G/A	0.540	0.460	-0.001	0.010	0.891	1129.311
rs7648117	ebi-a-GCST90027161	3	132609110	A/G	0.409	0.409	-0.001	0.010	0.891	68.405
rs11173942	ebi-a-GCST90027161	12	61785975	T/C	0.427	0.427	-0.002	0.010	0.882	166.534
rs1418	ebi-a-GCST90027161	6	168364813	C/A	0.464	0.464	-0.002	0.010	0.885	156.715
rs12313	ebi-a-GCST90027161	10	134017295	T/C	0.187	0.187	-0.002	0.013	0.907	161.569
rs4146	ebi-a-GCST90027161	4	176164722	T/C	0.351	0.351	-0.002	0.011	0.880	20.271
rs967467	ebi-a-GCST90027161	15	101088049	A/G	0.403	0.403	-0.002	0.010	0.881	63.361
rs284614	ebi-a-GCST90027161	10	61120684	G/A	0.883	0.117	-0.002	0.016	0.919	47.691
rs34311866	ebi-a-GCST90027161	4	951947	C/T	0.190	0.190	-0.002	0.013	0.895	87.987
rs34958196	ebi-a-GCST90027161	7	73043101	A/G	0.130	0.130	-0.002	0.015	0.907	380.525
rs966724	ebi-a-GCST90027161	13	103347428	C/A	0.540	0.461	-0.002	0.015	0.907	181.549
rs2284	ebi-a-GCST90027161	3	76052936	C/T	0.851	0.149	-0.002	0.015	0.898	75.147
rs61953488	ebi-a-GCST90027161	12	123924379	C/T	0.391	0.391	-0.002	0.011	0.855	25.127
rs765	ebi-a-GCST90027161	15	48035685	C/T	0.450	0.450	-0.002	0.010	0.853	289.253
rs9911447	ebi-a-GCST90027161	17	2540215	A/G	0.309	0.309	-0.002	0.011	0.867	20.543
rs1125541	ebi-a-GCST90027161	3	151027359	G/A	0.238	0.238	-0.002	0.012	0.862	155.231
rs28524122	ebi-a-GCST90027161	15	58847076	A/G	0.188	0.188	-0.002	0.013	0.871	35.580
rs927479	ebi-a-GCST90027161	6	124697052	G/A	0.213	0.213	-0.002	0.012	0.862	62.885
rs11693335	ebi-a-GCST90027161	2	20370413	A/G	0.525	0.475	-0.002	0.010	0.827	82.688
rs4743756	ebi-a-GCST90027161	9	107505000	T/C	0.303	0.303	-0.002	0.011	0.840	35.557
rs1652343	ebi-a-GCST90027161	18	21131929	C/T	0.502	0.498	-0.002	0.010	0.811	89.269
rs1327144	ebi-a-GCST90027161	1	184051573	C/A	0.500	0.500	-0.003	0.010	0.799	33.449
rs1485	ebi-a-GCST90027161	2	223793149	T/C	0.565	0.435	-0.003	0.010	0.795	21.513
rs7184	ebi-a-GCST90027161	10	102746231	T/C	0.449	0.449	-0.003	0.010	0.794	27.446
rs8186	ebi-a-GCST90027161	17	47778793	C/T	0.939	0.061	-0.003	0.020	0.894	138.064
rs1956218	ebi-a-GCST90027161	14	33075243	A/G	0.487	0.487	-0.003	0.010	0.786	21.399
rs3919528	ebi-a-GCST90027161	7	17780891	T/C	0.388	0.388	-0.003	0.010	0.784	52.964

rs3976	ebi-a-GCST90027161	17	1653091	G/A	0.769	0.231	-0.003	0.012	0.815	494.265
rs31845	ebi-a-GCST90027161	5	140484278	T/C	0.457	0.457	-0.003	0.010	0.772	251.498
rs4784775	ebi-a-GCST90027161	16	57168232	G/A	0.482	0.482	-0.003	0.010	0.769	189.302
rs73116325	ebi-a-GCST90027161	12	50275385	T/C	0.368	0.368	-0.003	0.010	0.776	28.851
rs1294856	ebi-a-GCST90027161	7	45263161	A/G	0.791	0.209	-0.003	0.012	0.801	273.244
rs145947882	ebi-a-GCST90027161	17	41809207	C/A	0.027	0.027	-0.003	0.032	0.919	1613.937
rs294365	ebi-a-GCST90027161	11	30710193	C/T	0.798	0.202	-0.003	0.013	0.798	674.360
rs991332	ebi-a-GCST90027161	4	38308900	C/T	0.219	0.219	-0.003	0.012	0.785	279.522
rs34696942	ebi-a-GCST90027161	18	47773396	T/C	0.088	0.088	-0.004	0.019	0.846	21.236
rs938854	ebi-a-GCST90027161	2	123486831	G/A	0.108	0.108	-0.004	0.016	0.817	47.032
rs1552313	ebi-a-GCST90027161	8	93202710	C/T	0.411	0.411	-0.004	0.010	0.702	21.516
rs166324	ebi-a-GCST90027161	5	169358674	T/C	0.922	0.078	-0.004	0.020	0.846	136.266
rs7123	ebi-a-GCST90027161	1	185265711	T/C	0.578	0.422	-0.004	0.010	0.704	229.383
rs813138	ebi-a-GCST90027161	4	145914748	G/A	0.154	0.154	-0.004	0.013	0.770	36.411
rs12375	ebi-a-GCST90027161	1	10596341	T/C	0.330	0.330	-0.004	0.011	0.708	22.042
rs927537	ebi-a-GCST90027161	3	130571098	T/C	0.620	0.380	-0.004	0.011	0.701	59.416
rs13142179	ebi-a-GCST90027161	4	185781717	T/C	0.226	0.226	-0.004	0.012	0.736	22.442
rs1173658	ebi-a-GCST90027161	1	245626920	C/T	0.670	0.330	-0.004	0.011	0.708	52.100
rs355357	ebi-a-GCST90027161	1	98596776	T/C	0.295	0.295	-0.004	0.011	0.706	24.977
rs6127	ebi-a-GCST90027161	1	169566313	G/A	0.411	0.411	-0.004	0.010	0.684	138.362
rs998845	ebi-a-GCST90027161	3	192628237	T/C	0.398	0.398	-0.004	0.011	0.692	62.024
rs11675384	ebi-a-GCST90027161	2	152262036	A/G	0.015	0.015	-0.004	0.051	0.932	196.601
rs745388	ebi-a-GCST90027161	9	112020668	C/T	0.437	0.437	-0.004	0.010	0.669	270.002
rs269792	ebi-a-GCST90027161	12	65428570	T/C	0.636	0.364	-0.005	0.011	0.671	353.616
rs9925265	ebi-a-GCST90027161	16	56950210	A/G	0.443	0.443	-0.005	0.010	0.654	1587.872
rs284982	ebi-a-GCST90027161	16	77135683	C/T	0.792	0.208	-0.005	0.012	0.712	196.579
rs37865	ebi-a-GCST90027161	7	78424297	G/A	0.105	0.105	-0.005	0.017	0.777	480.492
rs6821	ebi-a-GCST90027161	7	129774714	T/C	0.319	0.319	-0.005	0.011	0.636	273.625
rs11749921	ebi-a-GCST90027161	5	112380060	C/A	0.476	0.476	-0.005	0.010	0.620	44.668
rs11651783	ebi-a-GCST90027161	17	7447910	T/C	0.238	0.238	-0.005	0.012	0.653	90.093
rs475289	ebi-a-GCST90027161	3	174410136	C/T	0.458	0.458	-0.005	0.010	0.604	429.706
rs7881	ebi-a-GCST90027161	2	75196731	T/C	0.717	0.283	-0.005	0.011	0.630	4542.469
rs114194282	ebi-a-GCST90027161	2	32642207	G/T	0.182	0.182	-0.005	0.013	0.684	30.864

rs5788	ebi-a-GCST90027161	9	125143792	C/A	0.857	0.143	-0.006	0.014	0.678	44.448
rs62325498	ebi-a-GCST90027161	4	100096896	A/G	0.458	0.458	-0.006	0.010	0.582	44.164
rs1521769	ebi-a-GCST90027161	8	105944765	G/A	0.269	0.269	-0.006	0.011	0.612	33.955
rs776982	ebi-a-GCST90027161	2	229642853	T/C	0.492	0.492	-0.006	0.010	0.569	297.946
rs77821156	ebi-a-GCST90027161	7	17331450	G/A	0.093	0.093	-0.006	0.019	0.762	25.153
rs4367595	ebi-a-GCST90027161	8	121847800	A/G	0.328	0.328	-0.006	0.011	0.591	25.841
rs4675812	ebi-a-GCST90027161	2	242395674	G/A	0.401	0.401	-0.006	0.010	0.556	90.065
rs679642	ebi-a-GCST90027161	6	93088111	A/G	0.493	0.493	-0.006	0.010	0.544	79.211
rs225424	ebi-a-GCST90027161	21	43746695	A/G	0.455	0.455	-0.006	0.010	0.542	533.860
rs556992	ebi-a-GCST90027161	1	111318168	C/T	0.810	0.190	-0.006	0.013	0.617	231.790
rs868655	ebi-a-GCST90027161	9	1037118	A/C	0.319	0.319	-0.006	0.011	0.555	67.090
rs1211823	ebi-a-GCST90027161	20	26247919	T/G	0.797	0.204	-0.007	0.016	0.692	267.611
rs11751668	ebi-a-GCST90027161	6	4125474	A/G	0.038	0.038	-0.007	0.030	0.828	47.718
rs8121	ebi-a-GCST90027161	17	16325968	T/C	0.573	0.427	-0.007	0.010	0.511	97.948
rs251796	ebi-a-GCST90027161	16	69395434	T/C	0.675	0.325	-0.007	0.011	0.532	337.397
rs293428	ebi-a-GCST90027161	4	69591782	G/A	0.317	0.317	-0.007	0.011	0.521	46.435
rs1724872	ebi-a-GCST90027161	2	150612724	T/C	0.665	0.335	-0.007	0.011	0.517	46.079
rs748154	ebi-a-GCST90027161	8	134708408	C/T	0.708	0.292	-0.007	0.011	0.529	78.965
rs1397383	ebi-a-GCST90027161	10	34226091	G/A	0.404	0.404	-0.007	0.010	0.487	178.147
rs72729623	ebi-a-GCST90027161	4	154208278	T/C	0.164	0.164	-0.007	0.013	0.579	70.305
rs9922264	ebi-a-GCST90027161	16	87981784	G/T	0.419	0.419	-0.007	0.010	0.487	30.810
rs12965	ebi-a-GCST90027161	6	131160744	T/C	0.968	0.032	-0.008	0.030	0.799	645.709
rs6822	ebi-a-GCST90027161	9	124906456	C/T	0.822	0.178	-0.008	0.013	0.550	27.219
rs737337	ebi-a-GCST90027161	19	11347493	C/T	0.085	0.085	-0.008	0.017	0.663	482.091
rs7947	ebi-a-GCST90027161	11	406043	T/C	0.731	0.269	-0.008	0.011	0.511	127.669
rs148754782	ebi-a-GCST90027161	8	19910576	A/G	0.030	0.030	-0.008	0.030	0.796	309.394
rs34881379	ebi-a-GCST90027161	3	184030387	C/T	0.464	0.464	-0.008	0.010	0.448	23.549
rs674	ebi-a-GCST90027161	12	65110141	G/A	0.390	0.390	-0.008	0.011	0.467	481.958
rs927539	ebi-a-GCST90027161	14	58049897	C/T	0.631	0.370	-0.008	0.011	0.477	59.961
rs854562	ebi-a-GCST90027161	7	94947969	T/C	0.319	0.319	-0.008	0.011	0.463	52.105
rs11823	ebi-a-GCST90027161	16	27080306	C/T	0.269	0.269	-0.008	0.012	0.490	404.528
rs224395	ebi-a-GCST90027161	20	34109427	G/A	0.602	0.398	-0.008	0.012	0.508	21.770
rs28652618	ebi-a-GCST90027161	17	17482766	T/C	0.066	0.066	-0.008	0.020	0.689	76.302

rs7969229	ebi-a-GCST90027161	12	108377176	A/G	0.393	0.393	-0.008	0.010	0.438	21.901
rs6358	ebi-a-GCST90027161	22	48085862	C/T	0.145	0.145	-0.008	0.015	0.579	42.841
rs139784	ebi-a-GCST90027161	22	50120350	T/C	0.286	0.286	-0.008	0.011	0.465	942.591
rs281499	ebi-a-GCST90027161	2	46418606	T/C	0.599	0.401	-0.008	0.011	0.428	214.432
rs4639796	ebi-a-GCST90027161	1	197126649	A/G	0.185	0.185	-0.009	0.013	0.503	37.265
rs77768155	ebi-a-GCST90027161	18	36516976	G/A	0.091	0.091	-0.009	0.019	0.656	25.372
rs795178	ebi-a-GCST90027161	5	120733676	G/A	0.801	0.199	-0.009	0.013	0.498	162.543
rs73954985	ebi-a-GCST90027161	2	111927828	T/C	0.013	0.013	-0.009	0.050	0.864	27.605
rs12897763	ebi-a-GCST90027161	14	29638938	A/G	0.209	0.209	-0.009	0.012	0.474	21.222
rs1899899	ebi-a-GCST90027161	8	64949682	C/T	0.466	0.466	-0.009	0.010	0.395	35.605
rs12922127	ebi-a-GCST90027161	16	72958967	T/C	0.181	0.181	-0.009	0.014	0.527	41.167
rs7591153	ebi-a-GCST90027161	2	187437975	A/G	0.676	0.324	-0.009	0.011	0.418	1288.540
rs7221314	ebi-a-GCST90027161	17	76758251	G/A	0.350	0.350	-0.009	0.011	0.400	28.979
rs235314	ebi-a-GCST90027161	21	46271452	C/T	0.506	0.494	-0.009	0.010	0.374	160.829
rs498499	ebi-a-GCST90027161	18	34904498	T/C	0.472	0.472	-0.009	0.010	0.374	67.078
rs6541932	ebi-a-GCST90027161	2	112626262	T/C	0.065	0.065	-0.009	0.022	0.675	21.516
rs73455626	ebi-a-GCST90027161	18	57942192	C/A	0.287	0.287	-0.009	0.011	0.422	99.568
rs11124856	ebi-a-GCST90027161	2	42198246	C/T	0.831	0.169	-0.009	0.013	0.488	43.730
rs11694828	ebi-a-GCST90027161	2	228565656	A/G	0.455	0.455	-0.009	0.010	0.378	102.112
rs12477711	ebi-a-GCST90027161	2	55245177	T/C	0.442	0.442	-0.009	0.010	0.366	36.590
rs2927	ebi-a-GCST90027161	6	16758112	C/T	0.555	0.445	-0.009	0.010	0.366	61.294
rs748849	ebi-a-GCST90027161	4	90734961	A/G	0.801	0.199	-0.009	0.013	0.473	337.118
rs778293	ebi-a-GCST90027161	13	106169199	T/C	0.597	0.403	-0.009	0.011	0.391	1322.344
rs12471781	ebi-a-GCST90027161	2	136770509	A/G	0.139	0.139	-0.009	0.013	0.481	88.116
rs482176	ebi-a-GCST90027161	1	38222193	T/C	0.677	0.323	-0.010	0.011	0.372	88.168
rs73597578	ebi-a-GCST90027161	16	67679348	T/C	0.120	0.120	-0.010	0.015	0.519	914.878
rs968916	ebi-a-GCST90027161	7	152945615	G/A	0.350	0.350	-0.010	0.011	0.378	310.719
rs1868997	ebi-a-GCST90027161	11	14894220	T/C	0.381	0.381	-0.010	0.010	0.351	52.243
rs7313	ebi-a-GCST90027161	7	29070209	A/G	0.451	0.451	-0.010	0.010	0.352	153.772
rs1473222	ebi-a-GCST90027161	4	143488095	G/A	0.294	0.294	-0.010	0.011	0.394	29.904
rs2296	ebi-a-GCST90027161	8	78575245	G/A	0.304	0.304	-0.010	0.011	0.378	1038.858
rs676384	ebi-a-GCST90027161	11	86833909	A/G	0.683	0.317	-0.010	0.011	0.376	52.072
rs391271	ebi-a-GCST90027161	17	4907989	T/C	0.852	0.148	-0.010	0.015	0.504	240.325

rs11129735	ebi-a-GCST90027161	3	36870230	A/G	0.477	0.477	-0.010	0.010	0.318	65.307
rs6598861	ebi-a-GCST90027161	1	27029264	T/C	0.032	0.032	-0.010	0.030	0.737	21.678
rs2144698	ebi-a-GCST90027161	6	52623807	T/G	0.293	0.293	-0.010	0.012	0.368	76.607
rs648587	ebi-a-GCST90027161	1	241762418	A/G	0.951	0.049	-0.011	0.025	0.676	292.484
rs4577276	ebi-a-GCST90027161	2	215358560	C/T	0.257	0.257	-0.011	0.012	0.360	33.693
rs6855246	ebi-a-GCST90027161	4	103112470	G/A	0.053	0.053	-0.011	0.027	0.693	491.732
rs7698225	ebi-a-GCST90027161	4	117407298	T/C	0.979	0.021	-0.011	0.040	0.786	366.387
rs8782	ebi-a-GCST90027161	9	84205860	A/G	0.296	0.296	-0.011	0.012	0.358	46.011
rs6433545	ebi-a-GCST90027161	2	176432399	C/T	0.320	0.320	-0.011	0.011	0.316	31.754
rs884785	ebi-a-GCST90027161	12	122473148	G/A	0.042	0.042	-0.011	0.027	0.687	26.324
rs1778893	ebi-a-GCST90027161	9	126553620	G/A	0.085	0.085	-0.011	0.017	0.519	490.066
rs12922719	ebi-a-GCST90027161	16	2255763	C/A	0.125	0.125	-0.011	0.015	0.460	26.585
rs11352	ebi-a-GCST90027161	8	21955116	G/A	0.604	0.396	-0.011	0.010	0.279	278.027
rs3824477	ebi-a-GCST90027161	9	107588328	A/G	0.026	0.026	-0.011	0.031	0.722	669.741
rs4983559	ebi-a-GCST90027161	14	105277209	G/A	0.402	0.402	-0.011	0.011	0.286	258.659
rs9989141	ebi-a-GCST90027161	14	94006257	C/T	0.367	0.367	-0.011	0.011	0.288	21.063
rs1324649	ebi-a-GCST90027161	10	11772854	T/C	0.676	0.325	-0.011	0.011	0.299	410.918
rs55933941	ebi-a-GCST90027161	19	33889991	A/G	0.090	0.090	-0.011	0.018	0.536	98.084
rs643662	ebi-a-GCST90027161	5	73560319	T/C	0.480	0.480	-0.012	0.010	0.264	602.860
rs1211644	ebi-a-GCST90027161	20	45592842	C/T	0.242	0.242	-0.012	0.012	0.339	51.546
rs589469	ebi-a-GCST90027161	6	101726763	A/G	0.779	0.221	-0.012	0.012	0.333	4542.448
rs62387983	ebi-a-GCST90027161	5	148098444	T/G	0.207	0.207	-0.012	0.013	0.369	22.196
rs12372942	ebi-a-GCST90027161	15	81077104	C/T	0.343	0.343	-0.012	0.011	0.274	21.975
rs6271	ebi-a-GCST90027161	9	136522274	T/C	0.072	0.072	-0.012	0.020	0.555	827.733
rs6891	ebi-a-GCST90027161	20	1424303	A/G	0.425	0.425	-0.012	0.010	0.239	66.401
rs6954	ebi-a-GCST90027161	1	43916642	T/C	0.392	0.392	-0.012	0.010	0.248	46.830
rs283894	ebi-a-GCST90027161	2	79325366	G/A	0.915	0.085	-0.012	0.019	0.524	101.010
rs38295	ebi-a-GCST90027161	7	70077166	A/G	0.667	0.333	-0.012	0.011	0.279	983.817
rs758	ebi-a-GCST90027161	4	141624673	A/G	0.305	0.305	-0.012	0.011	0.274	61.241
rs825452	ebi-a-GCST90027161	12	124509177	G/A	0.402	0.402	-0.012	0.010	0.232	274.779
rs4921655	ebi-a-GCST90027161	8	19366608	T/C	0.388	0.388	-0.013	0.010	0.225	40.422
rs35757743	ebi-a-GCST90027161	5	173415410	G/A	0.133	0.133	-0.013	0.015	0.409	28.843
rs79498931	ebi-a-GCST90027161	2	62926789	T/C	0.144	0.144	-0.013	0.014	0.375	27.533

rs4418728	ebi-a-GCST90027161	10	94839724	T/G	0.460	0.460	-0.014	0.010	0.183	197.002
rs1123174	ebi-a-GCST90027161	2	103687666	T/C	0.061	0.061	-0.014	0.020	0.490	64.413
rs75888243	ebi-a-GCST90027161	15	59080390	C/A	0.040	0.040	-0.014	0.029	0.633	83.620
rs11762784	ebi-a-GCST90027161	7	130424646	A/G	0.485	0.485	-0.014	0.010	0.159	454.246
rs1176439	ebi-a-GCST90027161	10	132446128	A/G	0.492	0.492	-0.014	0.010	0.158	32.958
rs7846466	ebi-a-GCST90027161	8	126485531	T/C	0.281	0.281	-0.014	0.012	0.219	772.287
rs1883	ebi-a-GCST90027161	14	103808153	T/C	0.895	0.106	-0.014	0.017	0.397	427.159
rs775714	ebi-a-GCST90027161	3	77578071	T/C	0.717	0.283	-0.015	0.011	0.200	187.417
rs57812455	ebi-a-GCST90027161	11	122524967	G/A	0.148	0.148	-0.015	0.014	0.285	35.173
rs13848	ebi-a-GCST90027161	2	240946766	T/C	0.539	0.461	-0.015	0.010	0.145	100.494
rs2744944	ebi-a-GCST90027161	6	34658080	A/C	0.353	0.353	-0.015	0.011	0.154	398.047
rs7474913	ebi-a-GCST90027161	10	59335442	A/G	0.084	0.084	-0.015	0.019	0.422	21.629
rs13273592	ebi-a-GCST90027161	8	126645810	C/T	0.277	0.277	-0.015	0.011	0.182	163.314
rs2683521	ebi-a-GCST90027161	12	53799714	A/G	0.490	0.490	-0.015	0.010	0.136	93.081
rs199815	ebi-a-GCST90027161	20	22320599	C/T	0.385	0.385	-0.015	0.010	0.138	25.193
rs6672377	ebi-a-GCST90027161	1	219678736	A/C	0.432	0.432	-0.015	0.010	0.130	136.110
rs56274651	ebi-a-GCST90027161	9	107604918	C/T	0.060	0.060	-0.016	0.022	0.469	190.591
rs742373	ebi-a-GCST90027161	1	209831253	G/A	0.447	0.447	-0.016	0.010	0.128	240.312
rs7932421	ebi-a-GCST90027161	11	111201502	A/G	0.433	0.433	-0.016	0.010	0.125	23.321
rs7989294	ebi-a-GCST90027161	13	63047019	T/C	0.722	0.278	-0.016	0.012	0.175	56.840
rs842365	ebi-a-GCST90027161	13	47252379	G/A	0.264	0.264	-0.016	0.012	0.176	30.192
rs12699758	ebi-a-GCST90027161	7	15964238	A/C	0.235	0.235	-0.016	0.012	0.171	29.247
rs1556491	ebi-a-GCST90027161	9	13736662	C/T	0.449	0.449	-0.017	0.010	0.103	41.607
rs645779	ebi-a-GCST90027161	2	216573059	T/C	0.766	0.235	-0.017	0.013	0.176	258.235
rs11714697	ebi-a-GCST90027161	3	156243549	C/T	0.265	0.265	-0.017	0.011	0.131	22.086
rs4932373	ebi-a-GCST90027161	15	91429287	C/A	0.313	0.313	-0.017	0.011	0.118	21.315
rs2376778	ebi-a-GCST90027161	4	37411149	A/G	0.298	0.298	-0.017	0.011	0.120	27.164
rs142638686	ebi-a-GCST90027161	8	19892948	T/C	0.014	0.014	-0.017	0.043	0.687	170.758
rs1174	ebi-a-GCST90027161	7	101208771	T/C	0.147	0.147	-0.017	0.014	0.226	39.644
rs4951582	ebi-a-GCST90027161	1	212408780	T/G	0.333	0.333	-0.017	0.011	0.118	45.779
rs1115834	ebi-a-GCST90027161	17	77950014	T/C	0.334	0.334	-0.018	0.011	0.113	65.525
rs7431	ebi-a-GCST90027161	8	22398462	A/G	0.457	0.457	-0.018	0.010	0.085	79.955
rs11254464	ebi-a-GCST90027161	10	17265447	C/T	0.416	0.416	-0.018	0.010	0.084	98.122

rs3734634	ebi-a-GCST90027161	6	126111800	G/A	0.499	0.499	-0.018	0.010	0.079	29.431
rs942683	ebi-a-GCST90027161	1	85319741	G/A	0.961	0.039	-0.018	0.028	0.527	40.660
rs11791258	ebi-a-GCST90027161	9	107632644	A/G	0.167	0.167	-0.018	0.014	0.205	1021.947
rs145223399	ebi-a-GCST90027161	22	21964673	T/C	0.021	0.021	-0.018	0.038	0.629	34.368
rs3847925	ebi-a-GCST90027161	12	16434223	T/C	0.130	0.130	-0.019	0.016	0.241	25.623
rs7225	ebi-a-GCST90027161	1	9908680	T/C	0.166	0.166	-0.019	0.014	0.182	272.330
rs2228671	ebi-a-GCST90027161	19	11210912	T/C	0.114	0.114	-0.019	0.017	0.257	26.690
rs12756	ebi-a-GCST90027161	16	4404857	G/A	0.931	0.070	-0.019	0.020	0.343	289.705
rs788669	ebi-a-GCST90027161	4	119265614	T/C	0.058	0.058	-0.019	0.022	0.382	147.521
rs12768534	ebi-a-GCST90027161	10	65340897	A/G	0.469	0.469	-0.019	0.010	0.058	58.198
rs76728446	ebi-a-GCST90027161	7	79845268	T/C	0.128	0.128	-0.019	0.015	0.189	44.017
rs1558825	ebi-a-GCST90027161	12	110083910	A/C	0.425	0.425	-0.019	0.010	0.062	47.039
rs734731	ebi-a-GCST90027161	18	21490034	G/A	0.899	0.101	-0.020	0.017	0.246	68.563
rs697237	ebi-a-GCST90027161	10	80954686	A/G	0.456	0.456	-0.020	0.010	0.049	51.559
rs4234588	ebi-a-GCST90027161	3	185786406	G/A	0.126	0.126	-0.020	0.016	0.209	175.469
rs982494	ebi-a-GCST90027161	5	152645213	A/G	0.076	0.076	-0.020	0.019	0.284	26.913
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	970.817
rs12432777	ebi-a-GCST90027161	14	103261300	T/C	0.360	0.360	-0.021	0.011	0.046	76.923
rs676387	ebi-a-GCST90027161	17	40706273	A/C	0.264	0.264	-0.021	0.012	0.070	77.721
rs7316	ebi-a-GCST90027161	2	85886013	A/G	0.928	0.072	-0.021	0.019	0.271	24.235
rs796543	ebi-a-GCST90027161	8	102109237	A/G	0.792	0.208	-0.021	0.013	0.108	38.387
rs2145149	ebi-a-GCST90027161	14	69147001	G/A	0.341	0.341	-0.022	0.011	0.048	34.034
rs4592	ebi-a-GCST90027161	5	6372248	G/A	0.496	0.496	-0.022	0.010	0.031	330.645
rs759422	ebi-a-GCST90027161	2	202849655	G/A	0.325	0.325	-0.022	0.011	0.044	50.630
rs13284	ebi-a-GCST90027161	17	18112130	C/T	0.834	0.166	-0.022	0.014	0.123	1477.661
rs6652	ebi-a-GCST90027161	21	47552385	T/C	0.159	0.159	-0.022	0.015	0.139	224.949
rs1177987	ebi-a-GCST90027161	17	70580127	A/G	0.974	0.026	-0.023	0.037	0.547	842.717
rs431654	ebi-a-GCST90027161	21	20293176	T/C	0.183	0.183	-0.023	0.013	0.072	386.314
rs3827743	ebi-a-GCST90027161	1	230780571	G/A	0.357	0.357	-0.024	0.011	0.025	25.201
rs116969232	ebi-a-GCST90027161	20	50828454	A/G	0.084	0.084	-0.024	0.018	0.195	30.149
rs13137188	ebi-a-GCST90027161	4	69351336	A/G	0.292	0.292	-0.024	0.011	0.028	38.367
rs2178949	ebi-a-GCST90027161	8	116594138	T/G	0.392	0.392	-0.025	0.011	0.019	543.700
rs7898	ebi-a-GCST90027161	10	81114959	C/T	0.496	0.496	-0.025	0.010	0.014	993.717

rs756292	ebi-a-GCST90027161	2	66657939	T/C	0.309	0.309	-0.025	0.011	0.024	47.766
rs4846913	ebi-a-GCST90027161	1	230294715	C/A	0.408	0.408	-0.025	0.010	0.015	1321.791
rs112818872	ebi-a-GCST90027161	4	38878081	C/T	0.056	0.056	-0.026	0.033	0.435	27.972
rs17729883	ebi-a-GCST90027161	8	9256631	C/T	0.317	0.317	-0.026	0.011	0.021	119.614
rs1748231	ebi-a-GCST90027161	6	45133354	T/G	0.446	0.446	-0.026	0.010	0.011	1355.803
rs1269273	ebi-a-GCST90027161	13	50898014	T/C	0.067	0.067	-0.026	0.019	0.178	28.389
rs6122247	ebi-a-GCST90027161	20	62714025	C/T	0.232	0.232	-0.026	0.012	0.035	37.304
rs74543117	ebi-a-GCST90027161	11	13475595	C/T	0.112	0.112	-0.027	0.017	0.118	31.909
rs198	ebi-a-GCST90027161	7	27939039	C/T	0.120	0.120	-0.028	0.016	0.083	42.602
rs61953391	ebi-a-GCST90027161	12	123747258	A/G	0.025	0.025	-0.028	0.030	0.346	122.494
rs56279768	ebi-a-GCST90027161	6	43801100	T/C	0.296	0.296	-0.028	0.011	0.011	75.222
rs75836449	ebi-a-GCST90027161	10	33981364	T/C	0.250	0.250	-0.029	0.012	0.013	32.000
rs2859446	ebi-a-GCST90027161	22	43740066	G/A	0.854	0.146	-0.030	0.014	0.032	894.147
rs1544913	ebi-a-GCST90027161	2	203484781	C/T	0.288	0.288	-0.030	0.011	0.007	137.634
rs41355649	ebi-a-GCST90027161	19	33790556	A/G	0.057	0.057	-0.030	0.024	0.213	119.369
rs1172925	ebi-a-GCST90027161	9	93491821	T/C	0.374	0.374	-0.030	0.011	0.004	49.852
rs153465	ebi-a-GCST90027161	5	150601282	T/C	0.040	0.040	-0.031	0.026	0.235	620.275
rs926881	ebi-a-GCST90027161	21	15617573	T/C	0.672	0.328	-0.031	0.011	0.004	32.528
rs148827772	ebi-a-GCST90027161	4	110766064	G/A	0.025	0.025	-0.031	0.032	0.318	38.708
rs7622798	ebi-a-GCST90027161	3	77065158	T/C	0.803	0.197	-0.032	0.012	0.008	75.529
rs72647336	ebi-a-GCST90027161	8	126445055	A/G	0.048	0.048	-0.032	0.027	0.235	215.548
rs1532	ebi-a-GCST90027161	21	34804966	A/G	0.273	0.273	-0.033	0.012	0.005	5058.838
rs139974673	ebi-a-GCST90027161	15	44027885	C/T	0.020	0.020	-0.033	0.037	0.369	551.246
rs178991	ebi-a-GCST90027161	5	125254679	G/A	0.902	0.099	-0.034	0.024	0.156	47.802
rs34522712	ebi-a-GCST90027161	16	72363715	G/A	0.072	0.072	-0.035	0.022	0.113	21.464
rs4934932	ebi-a-GCST90027161	10	33633866	A/G	0.078	0.078	-0.037	0.021	0.079	108.042
rs112417235	ebi-a-GCST90027161	18	47363963	C/T	0.035	0.035	-0.041	0.026	0.113	25.114
rs3741378	ebi-a-GCST90027161	11	65408937	T/C	0.126	0.126	-0.042	0.016	0.009	75.888
rs736679	ebi-a-GCST90027161	4	2427644	C/T	0.945	0.055	-0.042	0.024	0.085	22.144
rs149615216	ebi-a-GCST90027161	18	47106028	T/C	0.009	0.009	-0.043	0.059	0.466	1530.748
rs7694	ebi-a-GCST90027161	1	25687426	A/G	0.985	0.015	-0.045	0.051	0.375	42.409
rs12485478	ebi-a-GCST90027161	3	12351223	G/A	0.031	0.031	-0.048	0.026	0.070	162.420
rs4272	ebi-a-GCST90027161	7	92236829	A/G	0.784	0.216	-0.050	0.012	0.000	19.884

rs117276868	ebi-a-GCST90027161	12	125627003	A/G	0.015	0.015	-0.052	0.050	0.294	20.812
rs541548517	ebi-a-GCST90027161	18	47157092	T/C	0.010	0.010	-0.058	0.053	0.276	100.689
rs169162	ebi-a-GCST90027161	10	44627832	C/T	0.988	0.012	-0.061	0.053	0.243	21.295
rs113268469	ebi-a-GCST90027161	18	57862913	T/C	0.015	0.015	-0.073	0.044	0.099	39.394
rs4358	ebi-a-GCST90027161	17	61571907	A/G	0.016	0.016	-0.075	0.043	0.081	45.626
rs62119327	ebi-a-GCST90027161	19	45186873	T/G	0.020	0.020	-0.114	0.044	0.009	83.085

Hydoxyhexadecadienylcarnitine

rs1495064	ebi-a-GCST90027161	3	164382826	A/G	0.014	0.014	0.056	0.044	0.201	26.024
rs34464572	ebi-a-GCST90027161	6	14973485	T/C	0.056	0.056	0.044	0.021	0.038	21.200
rs77990140	ebi-a-GCST90027161	9	135168934	A/G	0.119	0.119	0.010	0.015	0.529	21.144
rs1252164	ebi-a-GCST90027161	1	237167238	A/C	0.036	0.036	0.009	0.024	0.698	19.813
rs17308588	ebi-a-GCST90027161	5	66799452	A/G	0.886	0.114	0.009	0.016	0.589	21.804
rs4734389	ebi-a-GCST90027161	8	99196463	A/G	0.352	0.352	0.001	0.011	0.894	25.965
rs34401683	ebi-a-GCST90027161	8	4135588	T/C	0.822	0.178	0.000	0.013	0.974	19.981
rs4099722	ebi-a-GCST90027161	5	33033738	A/C	0.758	0.242	0.000	0.012	0.990	27.881
rs34552719	ebi-a-GCST90027161	7	137895316	A/G	0.022	0.022	-0.007	0.035	0.838	19.747
rs67538199	ebi-a-GCST90027161	15	75361650	T/C	0.826	0.174	-0.033	0.013	0.013	19.879
rs13091395	ebi-a-GCST90027161	3	29593412	A/G	0.941	0.059	-0.038	0.021	0.071	19.537
rs140493815	ebi-a-GCST90027161	6	4393854	T/G	0.981	0.019	-0.046	0.041	0.262	19.635
rs142869054	ebi-a-GCST90027161	4	23299261	A/G	0.022	0.022	-0.059	0.035	0.088	21.154
rs147427678	ebi-a-GCST90027161	22	40493891	T/C	0.008	0.008	-0.104	0.076	0.174	19.539

Hydroxybutyrylcarnitine

rs9455678	ebi-a-GCST90027161	6	169026904	T/C	0.018	0.018	0.052	0.037	0.151	20.112
rs143115704	ebi-a-GCST90027161	10	18433300	T/C	0.960	0.040	0.040	0.024	0.099	26.346
rs61106716	ebi-a-GCST90027161	14	78662029	A/G	0.979	0.021	0.039	0.035	0.268	21.684
rs34073391	ebi-a-GCST90027161	7	143116621	T/G	0.174	0.174	0.030	0.013	0.021	22.459
rs143632781	ebi-a-GCST90027161	16	3787514	A/G	0.031	0.031	0.013	0.030	0.651	21.602
rs1563910	ebi-a-GCST90027161	8	142557041	A/G	0.125	0.125	0.009	0.016	0.563	20.125
rs7839599	ebi-a-GCST90027161	8	72767142	T/C	0.530	0.470	0.007	0.010	0.473	22.142
rs147377278	ebi-a-GCST90027161	12	71533466	A/G	0.984	0.016	0.001	0.041	0.988	20.149
rs117291065	ebi-a-GCST90027161	6	139715589	T/C	0.977	0.023	-0.001	0.035	0.970	20.625
rs17700584	ebi-a-GCST90027161	20	15195713	A/G	0.984	0.016	-0.002	0.039	0.962	20.724
rs6662856	ebi-a-GCST90027161	1	54360879	T/C	0.464	0.464	-0.004	0.010	0.678	30.288

rs35512780	ebi-a-GCST90027161	1	30637247	T/C	0.027	0.027	-0.006	0.034	0.857	19.647
rs10941045	ebi-a-GCST90027161	5	33208887	T/C	0.465	0.465	-0.009	0.010	0.386	21.235
rs4880183	ebi-a-GCST90027161	9	139889844	T/G	0.966	0.034	-0.013	0.028	0.655	20.029
rs116923474	ebi-a-GCST90027161	8	1479377	A/G	0.985	0.015	-0.026	0.047	0.577	19.533
rs190428895	ebi-a-GCST90027161	8	118450255	A/G	0.954	0.046	-0.035	0.023	0.122	21.005
rs12420172	ebi-a-GCST90027161	11	35500956	A/G	0.130	0.130	-0.038	0.015	0.014	22.903

Hydroxyhexadecanoylcarnitine

rs149149204	ebi-a-GCST90027161	2	189250794	T/C	0.976	0.024	0.035	0.033	0.284	29.435
rs16914574	ebi-a-GCST90027161	11	6532490	T/C	0.974	0.026	0.033	0.035	0.348	24.450
rs72900422	ebi-a-GCST90027161	11	6145633	A/G	0.016	0.016	0.026	0.048	0.593	21.760
rs4555071	ebi-a-GCST90027161	14	52227338	T/C	0.299	0.299	0.011	0.012	0.329	22.224
rs77960066	ebi-a-GCST90027161	6	121627630	A/C	0.975	0.025	0.008	0.035	0.826	22.683
rs112195695	ebi-a-GCST90027161	8	67520700	A/G	0.961	0.040	0.007	0.025	0.769	20.171
rs1476646	ebi-a-GCST90027161	16	72898348	A/C	0.655	0.346	0.005	0.011	0.677	20.162
rs6705008	ebi-a-GCST90027161	2	150993034	A/G	0.279	0.279	0.002	0.012	0.895	22.299
rs183101710	ebi-a-GCST90027161	1	245980205	T/C	0.476	0.476	-0.006	0.010	0.596	20.142
rs113531967	ebi-a-GCST90027161	15	36488338	T/C	0.223	0.223	-0.011	0.012	0.376	20.794
rs73075972	ebi-a-GCST90027161	4	8129655	A/C	0.955	0.045	-0.014	0.027	0.608	20.061
rs79507869	ebi-a-GCST90027161	2	42401076	A/C	0.113	0.113	-0.051	0.016	0.001	20.451

Hydroxyhexadecenoylcarnitine

rs523998	ebi-a-GCST90027161	18	671050	T/C	0.943	0.057	0.043	0.023	0.063	20.862
rs142528796	ebi-a-GCST90027161	11	63730643	T/C	0.022	0.022	0.019	0.033	0.570	22.322
rs12805814	ebi-a-GCST90027161	11	44651712	T/C	0.193	0.193	0.019	0.013	0.160	19.773
rs78827403	ebi-a-GCST90027161	4	622320	A/G	0.011	0.011	0.016	0.060	0.796	21.542
rs938889	ebi-a-GCST90027161	14	20908741	T/C	0.366	0.366	0.014	0.011	0.176	20.399
rs74815749	ebi-a-GCST90027161	5	32992782	A/G	0.887	0.113	0.013	0.017	0.441	19.998
rs12185094	ebi-a-GCST90027161	15	43743090	T/G	0.905	0.095	0.013	0.018	0.493	19.935
rs12046678	ebi-a-GCST90027161	1	32886543	T/C	0.060	0.060	0.006	0.020	0.780	22.139
rs12964519	ebi-a-GCST90027161	18	32583580	T/G	0.318	0.318	-0.002	0.011	0.883	21.284
rs7785855	ebi-a-GCST90027161	7	73802670	A/C	0.248	0.248	-0.006	0.012	0.620	22.576
rs4353533	ebi-a-GCST90027161	17	60899218	T/C	0.468	0.468	-0.011	0.010	0.287	20.372
rs147541757	ebi-a-GCST90027161	18	15299293	T/C	0.021	0.021	-0.016	0.035	0.639	19.871
rs2008231	ebi-a-GCST90027161	19	54992748	T/C	0.384	0.384	-0.017	0.014	0.217	21.745

Hydroxyoctadecenoylcarnitine

rs186647777	ebi-a-GCST90027161	4	61757319	A/G	0.017	0.017	0.046	0.041	0.263	19.610
rs72904659	ebi-a-GCST90027161	18	42795538	A/C	0.016	0.016	0.028	0.044	0.525	22.729
rs117695982	ebi-a-GCST90027161	10	24709374	A/G	0.918	0.082	0.016	0.020	0.427	21.007
rs9961226	ebi-a-GCST90027161	18	4925108	A/C	0.350	0.350	0.015	0.011	0.164	22.358
rs12516106	ebi-a-GCST90027161	5	151405397	A/G	0.016	0.016	0.006	0.041	0.889	20.265
rs35904107	ebi-a-GCST90027161	3	14566622	A/G	0.192	0.192	-0.007	0.013	0.575	20.041
rs9894660	ebi-a-GCST90027161	17	79231112	T/C	0.678	0.322	-0.013	0.011	0.251	20.278
rs12350270	ebi-a-GCST90027161	9	71391171	A/G	0.453	0.453	-0.013	0.010	0.206	24.934
rs35286566	ebi-a-GCST90027161	17	84806	T/C	0.849	0.151	-0.024	0.014	0.089	19.641
rs34754584	ebi-a-GCST90027161	1	7408939	T/C	0.028	0.028	-0.087	0.032	0.008	21.049

Hydroxypropionylcarnitine

rs181647831	ebi-a-GCST90027161	3	6442637	T/C	0.015	0.015	0.087	0.033	0.009	21.525
rs28753838	ebi-a-GCST90027161	8	96357770	T/G	0.063	0.063	0.014	0.021	0.488	21.624
rs148853897	ebi-a-GCST90027161	17	71626670	T/C	0.008	0.008	0.007	0.055	0.893	21.263
rs882805	ebi-a-GCST90027161	20	857377	T/C	0.866	0.134	0.007	0.015	0.619	19.740
rs1010004	ebi-a-GCST90027161	18	965946	A/G	0.086	0.086	-0.002	0.020	0.926	19.635
rs12273933	ebi-a-GCST90027161	11	78950572	T/G	0.427	0.427	-0.006	0.010	0.531	19.874
rs7326093	ebi-a-GCST90027161	13	103130264	A/C	0.687	0.313	-0.007	0.011	0.543	24.518
rs4666352	ebi-a-GCST90027161	2	20268798	T/G	0.120	0.120	-0.012	0.016	0.443	22.133
rs116722870	ebi-a-GCST90027161	3	72056144	A/G	0.013	0.013	-0.013	0.049	0.789	23.692
rs145590319	ebi-a-GCST90027161	2	168615804	A/G	0.982	0.018	-0.026	0.036	0.466	23.134

Hydroxytetradecadienylcarnitine

rs148156799	ebi-a-GCST90027161	1	203696548	T/C	0.010	0.010	0.057	0.057	0.323	22.231
rs77252133	ebi-a-GCST90027161	10	87694834	A/G	0.051	0.051	0.042	0.022	0.054	21.585
rs75005413	ebi-a-GCST90027161	8	5668242	A/G	0.981	0.020	0.034	0.039	0.384	21.184
rs35362984	ebi-a-GCST90027161	19	11736914	A/C	0.612	0.389	0.014	0.010	0.195	25.259
rs6459874	ebi-a-GCST90027161	7	155463984	A/C	0.355	0.355	0.000	0.011	0.990	26.282
rs147773358	ebi-a-GCST90027161	17	54733788	A/C	0.015	0.015	-0.001	0.042	0.974	19.986
rs117763467	ebi-a-GCST90027161	15	74301730	T/C	0.992	0.008	-0.009	0.075	0.906	19.775
rs9544386	ebi-a-GCST90027161	13	77419907	A/C	0.974	0.026	-0.011	0.037	0.775	19.508
rs2400091	ebi-a-GCST90027161	10	14817342	A/C	0.804	0.196	-0.024	0.018	0.178	28.506
rs111711063	ebi-a-GCST90027161	6	138792926	T/C	0.982	0.018	-0.044	0.041	0.288	20.033

rs79610827	ebi-a-GCST90027161	9	74289568	A/G	0.014	0.014	-0.056	0.051	0.273	19.715
rs11730581	ebi-a-GCST90027161	4	176538388	A/G	0.986	0.014	-0.068	0.048	0.152	21.708
Hydroxytetradecenoylcarnitine										
rs193053744	ebi-a-GCST90027161	4	82358089	T/C	0.011	0.011	0.057	0.064	0.372	24.515
rs371573441	ebi-a-GCST90027161	5	124329784	A/G	0.019	0.019	0.036	0.035	0.302	20.608
rs118188894	ebi-a-GCST90027161	11	57142624	T/C	0.913	0.087	0.022	0.019	0.246	22.962
rs12150443	ebi-a-GCST90027161	17	48120213	A/G	0.635	0.365	0.020	0.011	0.072	19.734
rs11783995	ebi-a-GCST90027161	8	80525181	T/C	0.066	0.066	0.011	0.021	0.602	22.794
rs35628064	ebi-a-GCST90027161	1	175454762	T/G	0.686	0.314	0.006	0.015	0.673	25.399
rs72833924	ebi-a-GCST90027161	17	5721894	T/C	0.260	0.260	0.004	0.012	0.716	24.435
rs6980727	ebi-a-GCST90027161	8	4974195	T/C	0.404	0.404	0.002	0.011	0.868	19.646
rs11109464	ebi-a-GCST90027161	12	98782922	A/G	0.523	0.477	0.001	0.010	0.936	20.836
rs568020	ebi-a-GCST90027161	17	74434694	A/G	0.035	0.035	-0.005	0.026	0.857	20.093
rs36137307	ebi-a-GCST90027161	2	214903848	T/G	0.882	0.118	-0.006	0.021	0.777	23.013
rs114669955	ebi-a-GCST90027161	9	74331996	A/G	0.016	0.016	-0.016	0.043	0.718	21.195
rs72862217	ebi-a-GCST90027161	11	12462139	A/G	0.036	0.036	-0.016	0.032	0.615	20.839
rs113299346	ebi-a-GCST90027161	3	24416043	T/C	0.985	0.015	-0.017	0.050	0.732	20.720
rs116994282	ebi-a-GCST90027161	12	86207610	T/C	0.022	0.022	-0.017	0.032	0.593	24.171
rs115133866	ebi-a-GCST90027161	2	224951055	T/C	0.987	0.013	-0.024	0.042	0.566	20.139
rs77279279	ebi-a-GCST90027161	2	189725296	T/C	0.015	0.015	-0.028	0.049	0.572	23.421
rs11171768	ebi-a-GCST90027161	12	56573711	T/C	0.034	0.034	-0.040	0.028	0.152	22.030
rs186181876	ebi-a-GCST90027161	2	84250712	A/G	0.015	0.015	-0.069	0.041	0.091	22.172
Hydroxyvalerylcarnitine										
rs79048876	ebi-a-GCST90027161	8	72586477	A/C	0.015	0.015	0.069	0.049	0.156	23.695
rs188472144	ebi-a-GCST90027161	12	45917196	T/C	0.015	0.015	0.041	0.041	0.326	20.328
rs138464743	ebi-a-GCST90027161	17	75385330	T/C	0.016	0.016	0.031	0.037	0.400	21.906
rs1592645	ebi-a-GCST90027161	14	87260481	A/G	0.756	0.244	0.020	0.013	0.109	19.868
rs10995112	ebi-a-GCST90027161	10	64069740	T/C	0.788	0.212	0.009	0.013	0.499	23.170
rs12424232	ebi-a-GCST90027161	12	92287848	T/C	0.242	0.242	0.008	0.012	0.495	24.005
rs579215	ebi-a-GCST90027161	1	74759600	T/G	0.135	0.135	0.003	0.015	0.846	23.934
rs6752944	ebi-a-GCST90027161	2	71248276	T/G	0.941	0.059	0.002	0.020	0.915	20.418
rs62433666	ebi-a-GCST90027161	6	125084214	T/C	0.939	0.061	0.002	0.020	0.926	21.229
rs1783596	ebi-a-GCST90027161	11	72946020	T/C	0.545	0.455	0.002	0.011	0.868	21.656

rs10454966	ebi-a-GCST90027161	5	167241065	A/C	0.850	0.150	-0.005	0.018	0.799	21.996
rs12958667	ebi-a-GCST90027161	18	65534842	A/G	0.319	0.319	-0.007	0.011	0.539	22.090
rs7284100	ebi-a-GCST90027161	22	48473412	A/G	0.979	0.021	-0.013	0.032	0.693	20.590
rs113019365	ebi-a-GCST90027161	12	102335910	T/C	0.013	0.013	-0.015	0.048	0.761	22.126
rs706553	ebi-a-GCST90027161	7	136855232	T/C	0.725	0.275	-0.016	0.011	0.175	20.844
rs77792947	ebi-a-GCST90027161	13	104543899	A/G	0.035	0.035	-0.017	0.035	0.633	19.828
rs35545275	ebi-a-GCST90027161	2	60278173	A/C	0.049	0.049	-0.019	0.023	0.426	22.277
rs149702482	ebi-a-GCST90027161	13	47906361	A/G	0.013	0.013	-0.022	0.048	0.650	25.819
rs79132323	ebi-a-GCST90027161	3	172839929	A/G	0.036	0.036	-0.025	0.028	0.367	20.035
rs9675603	ebi-a-GCST90027161	18	49203741	A/C	0.112	0.112	-0.026	0.019	0.169	19.764
rs7150670	ebi-a-GCST90027161	14	81571088	T/C	0.418	0.418	-0.030	0.014	0.037	20.309
rs4078312	ebi-a-GCST90027161	1	29815645	T/C	0.023	0.023	-0.036	0.040	0.371	21.863
rs2667648	ebi-a-GCST90027161	16	78581138	T/C	0.359	0.359	-0.041	0.017	0.018	20.920
rs186053224	ebi-a-GCST90027161	8	23559509	T/C	0.009	0.009	-0.048	0.054	0.370	19.534
rs139996084	ebi-a-GCST90027161	10	22875730	A/G	0.017	0.017	-0.059	0.039	0.128	22.716
rs72770809	ebi-a-GCST90027161	9	137353599	A/G	0.027	0.027	-0.087	0.035	0.012	25.788

Low density lipoprotein cholesterol levels

rs61754230	ebi-a-GCST90027161	12	72179446	T/C	0.014	0.014	0.160	0.054	0.003	73.212
rs8191774	ebi-a-GCST90027161	6	160461793	C/T	0.013	0.013	0.081	0.055	0.142	38.144
rs148243299	ebi-a-GCST90027161	14	50897215	A/G	0.011	0.011	0.076	0.047	0.107	21.686
rs141358193	ebi-a-GCST90027161	19	44367810	T/C	0.019	0.019	0.064	0.044	0.144	25.420
rs1672867	ebi-a-GCST90027161	16	57071114	A/G	0.011	0.011	0.064	0.062	0.305	25.658
rs151150389	ebi-a-GCST90027161	8	28897171	C/T	0.034	0.034	0.060	0.031	0.050	60.527
rs263423	ebi-a-GCST90027161	10	8089033	A/G	0.187	0.187	0.059	0.014	0.000	36.476
rs187429064	ebi-a-GCST90027161	19	19380513	G/A	0.027	0.027	0.058	0.029	0.044	535.966
rs78408557	ebi-a-GCST90027161	6	27147693	T/C	0.015	0.015	0.056	0.039	0.152	35.728
rs73075609	ebi-a-GCST90027161	20	5580789	T/C	0.020	0.020	0.052	0.042	0.218	101.677
rs4272	ebi-a-GCST90027161	7	92236829	G/A	0.216	0.216	0.050	0.012	0.000	28.439
rs79623641	ebi-a-GCST90027161	4	39999404	A/G	0.060	0.060	0.047	0.027	0.076	40.273
rs41315132	ebi-a-GCST90027161	17	5343279	A/G	0.014	0.014	0.045	0.047	0.336	28.922
rs11601507	ebi-a-GCST90027161	11	5701074	A/C	0.074	0.074	0.041	0.019	0.030	161.897
rs2706381	ebi-a-GCST90027161	5	131810619	T/C	0.206	0.206	0.041	0.012	0.001	124.139
rs117233107	ebi-a-GCST90027161	12	4328521	A/G	0.015	0.015	0.040	0.046	0.384	58.770

rs49675	ebi-a-GCST90027161	8	9151688	A/G	0.088	0.088	0.039	0.018	0.031	29.725
rs28894779	ebi-a-GCST90027161	8	126536611	A/G	0.039	0.039	0.039	0.024	0.113	38.053
rs12970	ebi-a-GCST90027161	11	117074109	A/G	0.068	0.068	0.038	0.019	0.050	85.357
rs1800562	ebi-a-GCST90027161	6	26093141	A/G	0.058	0.058	0.037	0.025	0.142	428.741
rs11206517	ebi-a-GCST90027161	1	55526428	G/T	0.041	0.041	0.036	0.023	0.118	573.437
rs72663045	ebi-a-GCST90027161	4	74177397	G/T	0.018	0.018	0.036	0.041	0.376	63.994
rs174547	ebi-a-GCST90027161	11	61570783	C/T	0.369	0.369	0.034	0.010	0.001	870.264
rs6431630	ebi-a-GCST90027161	2	234677386	A/G	0.100	0.100	0.034	0.018	0.062	114.236
rs561931	ebi-a-GCST90027161	1	120254506	A/G	0.509	0.491	0.033	0.015	0.023	22.784
rs12208357	ebi-a-GCST90027161	6	160543148	T/C	0.071	0.071	0.032	0.019	0.094	571.035
rs79868705	ebi-a-GCST90027161	1	109815074	A/G	0.042	0.042	0.032	0.026	0.225	947.120
rs10899485	ebi-a-GCST90027161	11	78072383	C/T	0.175	0.175	0.031	0.013	0.017	39.244
rs2232037	ebi-a-GCST90027161	12	14926835	C/T	0.206	0.206	0.030	0.013	0.017	22.839
rs77070191	ebi-a-GCST90027161	7	155042847	T/C	0.025	0.025	0.030	0.035	0.396	25.535
rs111967430	ebi-a-GCST90027161	9	2432886	C/T	0.012	0.012	0.030	0.044	0.503	29.514
rs9987289	ebi-a-GCST90027161	8	9183358	A/G	0.107	0.107	0.030	0.016	0.069	627.081
rs2967207	ebi-a-GCST90027161	16	18883144	G/A	0.464	0.464	0.029	0.010	0.004	24.183
rs12016920	ebi-a-GCST90027161	13	114639025	C/T	0.168	0.168	0.029	0.014	0.045	90.760
rs2617447	ebi-a-GCST90027161	5	96267655	G/A	0.417	0.417	0.028	0.010	0.006	36.089
rs150688657	ebi-a-GCST90027161	17	7505801	A/G	0.091	0.091	0.028	0.019	0.129	86.740
rs1801689	ebi-a-GCST90027161	17	64210580	C/A	0.023	0.023	0.028	0.036	0.434	448.325
rs3780181	ebi-a-GCST90027161	9	2640759	G/A	0.063	0.063	0.028	0.021	0.190	168.657
rs352942	ebi-a-GCST90027161	5	176528386	A/G	0.270	0.270	0.028	0.011	0.014	40.641
rs188348932	ebi-a-GCST90027161	1	207961789	T/C	0.012	0.012	0.027	0.057	0.631	20.090
rs2247139	ebi-a-GCST90027161	12	122380274	A/G	0.148	0.148	0.027	0.014	0.051	41.812
rs62363367	ebi-a-GCST90027161	5	75198461	C/A	0.022	0.022	0.026	0.037	0.472	38.785
rs12318241	ebi-a-GCST90027161	12	1387955	G/A	0.052	0.052	0.026	0.022	0.235	23.370
rs10832956	ebi-a-GCST90027161	11	18645668	T/C	0.310	0.310	0.025	0.011	0.022	178.365
rs34265667	ebi-a-GCST90027161	8	41542093	A/G	0.027	0.027	0.025	0.035	0.479	37.218
rs147711004	ebi-a-GCST90027161	19	45337918	A/G	0.036	0.036	0.025	0.030	0.416	1497.730
rs10401969	ebi-a-GCST90027161	19	19407718	C/T	0.071	0.071	0.024	0.020	0.231	1664.434
rs1010810	ebi-a-GCST90027161	18	19677934	A/G	0.117	0.117	0.024	0.015	0.120	36.472
rs112575086	ebi-a-GCST90027161	4	54429890	T/C	0.108	0.108	0.023	0.017	0.164	42.654

rs7191623	ebi-a-GCST90027161	16	72212044	A/G	0.197	0.197	0.023	0.013	0.075	73.671
rs28811342	ebi-a-GCST90027161	17	18125845	C/T	0.166	0.166	0.023	0.014	0.112	51.709
rs55732372	ebi-a-GCST90027161	3	129314270	A/G	0.072	0.072	0.023	0.021	0.291	42.258
rs13076933	ebi-a-GCST90027161	3	12327431	G/T	0.258	0.258	0.022	0.012	0.066	234.920
rs5746498	ebi-a-GCST90027161	22	18435794	C/T	0.222	0.222	0.022	0.013	0.086	61.399
rs523118	ebi-a-GCST90027161	3	135965888	T/G	0.197	0.197	0.021	0.014	0.115	66.250
rs419096	ebi-a-GCST90027161	4	2793155	A/G	0.266	0.266	0.021	0.012	0.073	23.966
rs11647276	ebi-a-GCST90027161	16	88737433	T/C	0.156	0.156	0.021	0.014	0.144	25.464
rs5753618	ebi-a-GCST90027161	22	31838518	T/C	0.259	0.259	0.020	0.011	0.069	21.874
rs881477	ebi-a-GCST90027161	2	43791563	C/T	0.316	0.316	0.020	0.011	0.068	29.125
rs147540853	ebi-a-GCST90027161	19	11248104	A/G	0.027	0.027	0.020	0.034	0.554	450.881
rs6136149	ebi-a-GCST90027161	20	17594030	G/A	0.178	0.178	0.020	0.014	0.153	21.976
rs34372369	ebi-a-GCST90027161	7	143092269	A/G	0.070	0.070	0.019	0.018	0.283	38.522
rs10753556	ebi-a-GCST90027161	1	23732762	A/G	0.116	0.116	0.019	0.016	0.247	34.090
rs34795914	ebi-a-GCST90027161	19	10936814	T/G	0.027	0.027	0.019	0.038	0.616	176.773
rs71311871	ebi-a-GCST90027161	3	58420613	G/A	0.081	0.081	0.019	0.019	0.306	226.774
rs10513309	ebi-a-GCST90027161	3	147054867	C/T	0.224	0.224	0.019	0.012	0.124	26.018
rs112159161	ebi-a-GCST90027161	19	11192603	T/C	0.014	0.014	0.019	0.049	0.698	1145.887
rs12445804	ebi-a-GCST90027161	16	11706100	A/G	0.090	0.090	0.019	0.017	0.274	147.653
rs35468353	ebi-a-GCST90027161	16	31056433	G/A	0.386	0.386	0.019	0.010	0.070	68.932
rs34707604	ebi-a-GCST90027161	4	69491456	C/T	0.266	0.266	0.019	0.012	0.108	288.855
rs112170089	ebi-a-GCST90027161	6	160502019	A/G	0.019	0.019	0.018	0.040	0.644	77.106
rs2792751	ebi-a-GCST90027161	10	113940329	T/C	0.285	0.285	0.018	0.011	0.111	243.303
rs10184004	ebi-a-GCST90027161	2	165508389	T/C	0.393	0.393	0.018	0.010	0.086	55.324
rs12968116	ebi-a-GCST90027161	18	55322502	T/C	0.120	0.120	0.018	0.016	0.265	45.994
rs60207481	ebi-a-GCST90027161	6	44075719	A/G	0.164	0.164	0.018	0.014	0.203	27.298
rs2214683	ebi-a-GCST90027161	7	14019242	A/G	0.270	0.270	0.017	0.012	0.134	19.551
rs615552	ebi-a-GCST90027161	9	22026077	C/T	0.446	0.446	0.017	0.010	0.091	38.137
rs34927723	ebi-a-GCST90027161	7	21422925	T/C	0.152	0.152	0.017	0.014	0.232	48.000
rs112913663	ebi-a-GCST90027161	7	44765604	C/T	0.030	0.030	0.017	0.028	0.549	24.747
rs1838931	ebi-a-GCST90027161	7	130455588	T/C	0.317	0.317	0.017	0.011	0.130	55.175
rs2331706	ebi-a-GCST90027161	14	68961565	T/C	0.388	0.388	0.017	0.010	0.111	20.885
rs2347790	ebi-a-GCST90027161	22	29414001	A/G	0.515	0.486	0.016	0.010	0.110	22.128

rs12551960	ebi-a-GCST90027161	9	19267440	T/C	0.071	0.071	0.016	0.020	0.415	174.487
rs5752963	ebi-a-GCST90027161	22	30203833	A/G	0.043	0.043	0.016	0.024	0.499	53.568
rs12621984	ebi-a-GCST90027161	2	174235962	T/C	0.490	0.490	0.016	0.010	0.115	27.832
rs2250751	ebi-a-GCST90027161	12	51106178	A/G	0.334	0.334	0.016	0.011	0.142	125.218
rs73007510	ebi-a-GCST90027161	19	10806699	T/C	0.017	0.017	0.015	0.038	0.696	71.868
rs111371088	ebi-a-GCST90027161	20	39128165	C/T	0.023	0.023	0.015	0.040	0.712	27.039
rs55869620	ebi-a-GCST90027161	5	72381679	T/C	0.052	0.052	0.015	0.023	0.528	59.739
rs10903129	ebi-a-GCST90027161	1	25768937	A/G	0.447	0.447	0.014	0.010	0.154	346.255
rs10804034	ebi-a-GCST90027161	2	191244826	T/C	0.355	0.355	0.014	0.011	0.175	26.185
rs6534663	ebi-a-GCST90027161	4	129017293	C/T	0.364	0.364	0.014	0.010	0.170	29.547
rs77542162	ebi-a-GCST90027161	17	67081278	G/A	0.015	0.015	0.014	0.055	0.797	1297.338
rs13146272	ebi-a-GCST90027161	4	187120211	C/A	0.349	0.349	0.014	0.011	0.187	19.961
rs1014283	ebi-a-GCST90027161	7	87076587	A/C	0.184	0.184	0.014	0.013	0.286	57.456
rs10858093	ebi-a-GCST90027161	1	109949756	T/C	0.035	0.035	0.014	0.028	0.615	87.747
rs1689801	ebi-a-GCST90027161	1	182165484	A/G	0.313	0.313	0.014	0.011	0.204	95.154
rs6441313	ebi-a-GCST90027161	3	160036400	A/G	0.429	0.429	0.014	0.010	0.181	78.642
rs6586303	ebi-a-GCST90027161	21	43719929	A/G	0.397	0.397	0.014	0.011	0.193	19.634
rs11075260	ebi-a-GCST90027161	16	15285027	G/T	0.423	0.423	0.014	0.010	0.187	26.086
rs2594205	ebi-a-GCST90027161	3	127254061	A/G	0.138	0.138	0.014	0.014	0.343	34.625
rs820430	ebi-a-GCST90027161	3	27548900	G/A	0.399	0.399	0.014	0.010	0.192	23.502
rs12533280	ebi-a-GCST90027161	7	36171953	T/C	0.204	0.204	0.013	0.012	0.271	105.004
rs4942833	ebi-a-GCST90027161	13	50081358	C/T	0.482	0.482	0.013	0.010	0.190	35.283
rs11057841	ebi-a-GCST90027161	12	125316743	T/C	0.137	0.137	0.013	0.015	0.380	117.341
rs6022851	ebi-a-GCST90027161	20	52536425	T/C	0.379	0.379	0.013	0.014	0.356	66.070
rs75667995	ebi-a-GCST90027161	12	25409070	C/T	0.090	0.090	0.013	0.017	0.435	113.852
rs9496567	ebi-a-GCST90027161	6	100602753	A/G	0.221	0.221	0.013	0.013	0.315	162.826
rs10814052	ebi-a-GCST90027161	9	33853571	A/C	0.163	0.163	0.013	0.014	0.345	26.147
rs11096689	ebi-a-GCST90027161	2	21140540	C/T	0.289	0.289	0.013	0.011	0.254	1049.772
rs10272002	ebi-a-GCST90027161	7	1047615	G/A	0.228	0.228	0.013	0.012	0.287	169.362
rs1963676	ebi-a-GCST90027161	21	40709960	C/T	0.392	0.392	0.013	0.011	0.225	101.060
rs114046937	ebi-a-GCST90027161	1	23530496	T/C	0.140	0.140	0.013	0.015	0.397	25.259
rs1543975	ebi-a-GCST90027161	3	195949655	C/T	0.347	0.347	0.013	0.011	0.236	24.231
rs4665972	ebi-a-GCST90027161	2	27598097	T/C	0.387	0.387	0.013	0.010	0.225	424.402

rs76643124	ebi-a-GCST90027161	9	136356448	A/G	0.065	0.065	0.013	0.016	0.440	41.261
rs896311	ebi-a-GCST90027161	7	25934357	G/A	0.301	0.301	0.013	0.011	0.250	117.885
rs12948347	ebi-a-GCST90027161	17	80982691	T/C	0.277	0.277	0.012	0.011	0.270	29.680
rs58736839	ebi-a-GCST90027161	12	104394411	C/T	0.072	0.072	0.012	0.020	0.540	22.812
rs55696093	ebi-a-GCST90027161	7	21605973	G/A	0.221	0.221	0.012	0.012	0.315	501.819
rs67890964	ebi-a-GCST90027161	16	83979317	C/T	0.437	0.437	0.012	0.011	0.251	153.223
rs78058190	ebi-a-GCST90027161	2	219699999	A/G	0.035	0.035	0.012	0.022	0.581	44.080
rs1569750	ebi-a-GCST90027161	20	47603241	G/A	0.294	0.294	0.012	0.011	0.284	54.113
rs2153663	ebi-a-GCST90027161	13	24916077	G/A	0.295	0.295	0.012	0.011	0.286	21.622
rs17649030	ebi-a-GCST90027161	5	74984029	C/T	0.075	0.075	0.012	0.018	0.519	171.791
rs1606829	ebi-a-GCST90027161	3	108871097	T/C	0.429	0.429	0.012	0.010	0.257	23.997
rs2296288	ebi-a-GCST90027161	1	183072590	T/C	0.428	0.428	0.012	0.010	0.254	64.774
rs34512295	ebi-a-GCST90027161	2	101651505	A/G	0.223	0.223	0.012	0.012	0.331	22.170
rs553427	ebi-a-GCST90027161	1	234852760	C/T	0.463	0.463	0.011	0.010	0.281	820.624
rs1474412	ebi-a-GCST90027161	8	102587259	A/G	0.249	0.249	0.011	0.012	0.358	29.437
rs11133771	ebi-a-GCST90027161	5	13941615	G/A	0.249	0.249	0.011	0.012	0.368	21.491
rs41329344	ebi-a-GCST90027161	22	46636930	T/C	0.101	0.101	0.011	0.017	0.534	37.882
rs61886346	ebi-a-GCST90027161	10	96101364	T/C	0.066	0.066	0.011	0.020	0.596	43.616
rs9909417	ebi-a-GCST90027161	17	18679442	A/G	0.304	0.304	0.011	0.011	0.342	35.756
rs11887443	ebi-a-GCST90027161	2	85879041	T/G	0.238	0.238	0.010	0.013	0.422	50.278
rs72772042	ebi-a-GCST90027161	16	15863759	A/C	0.134	0.134	0.010	0.015	0.499	39.584
rs12055389	ebi-a-GCST90027161	6	161091952	T/C	0.075	0.075	0.010	0.018	0.576	85.335
rs1229498	ebi-a-GCST90027161	7	81568750	T/G	0.280	0.280	0.010	0.011	0.369	26.924
rs12741364	ebi-a-GCST90027161	1	16079604	C/A	0.292	0.292	0.010	0.011	0.360	19.602
rs208432	ebi-a-GCST90027161	13	33122007	C/T	0.384	0.384	0.010	0.010	0.335	55.425
rs4307732	ebi-a-GCST90027161	11	126244955	A/G	0.126	0.126	0.010	0.015	0.492	468.472
rs10400291	ebi-a-GCST90027161	11	86304054	A/C	0.165	0.165	0.010	0.014	0.486	20.606
rs12086676	ebi-a-GCST90027161	1	55738663	T/C	0.190	0.190	0.010	0.013	0.435	211.346
rs11240358	ebi-a-GCST90027161	1	205070573	A/G	0.385	0.385	0.010	0.010	0.356	29.113
rs12949918	ebi-a-GCST90027161	17	40526273	C/T	0.415	0.415	0.010	0.010	0.357	40.403
rs112838464	ebi-a-GCST90027161	5	53308819	A/G	0.116	0.116	0.009	0.016	0.550	37.444
rs2066714	ebi-a-GCST90027161	9	107586753	C/T	0.111	0.111	0.009	0.017	0.584	82.197
rs2745168	ebi-a-GCST90027161	16	1263004	A/G	0.134	0.134	0.009	0.015	0.537	23.790

rs115163464	ebi-a-GCST90027161	1	1246438	A/G	0.031	0.031	0.009	0.036	0.796	24.521
rs437	ebi-a-GCST90027161	7	116296896	C/T	0.294	0.294	0.009	0.011	0.420	19.935
rs4841153	ebi-a-GCST90027161	8	9315046	A/C	0.271	0.271	0.009	0.012	0.433	23.769
rs8110479	ebi-a-GCST90027161	19	10734951	T/C	0.045	0.045	0.009	0.027	0.742	1174.140
rs952225	ebi-a-GCST90027161	4	151454015	C/T	0.348	0.348	0.009	0.011	0.410	33.482
rs9693586	ebi-a-GCST90027161	8	81345285	A/C	0.327	0.327	0.009	0.011	0.424	28.358
rs2351959	ebi-a-GCST90027161	11	16248204	T/C	0.100	0.100	0.009	0.017	0.609	21.149
rs74090765	ebi-a-GCST90027161	12	53792914	G/T	0.171	0.171	0.009	0.014	0.517	62.165
rs60847460	ebi-a-GCST90027161	10	113983758	T/C	0.142	0.142	0.009	0.014	0.550	83.238
rs2519093	ebi-a-GCST90027161	9	136141870	T/C	0.624	0.376	0.009	0.013	0.502	1704.704
rs17703146	ebi-a-GCST90027161	16	4860105	C/T	0.164	0.164	0.008	0.014	0.553	33.082
rs4970824	ebi-a-GCST90027161	1	109715950	A/G	0.089	0.089	0.008	0.017	0.612	1064.404
rs76933614	ebi-a-GCST90027161	6	139290015	C/T	0.068	0.068	0.008	0.022	0.708	75.176
rs2537580	ebi-a-GCST90027161	7	17793601	T/C	0.263	0.263	0.008	0.012	0.483	21.094
rs1755067	ebi-a-GCST90027161	10	32296195	C/T	0.451	0.451	0.008	0.010	0.428	19.749
rs34752362	ebi-a-GCST90027161	14	75232306	A/G	0.414	0.414	0.008	0.010	0.439	46.568
rs67269656	ebi-a-GCST90027161	2	8720038	T/C	0.285	0.285	0.008	0.011	0.468	43.505
rs2642438	ebi-a-GCST90027161	1	220970028	A/G	0.296	0.296	0.008	0.011	0.481	310.560
rs721412	ebi-a-GCST90027161	4	110947478	G/A	0.312	0.312	0.008	0.011	0.472	37.117
rs7300192	ebi-a-GCST90027161	12	51794043	A/G	0.349	0.349	0.008	0.011	0.465	84.095
rs1123571	ebi-a-GCST90027161	1	2326009	A/G	0.494	0.494	0.008	0.010	0.445	59.349
rs9938506	ebi-a-GCST90027161	16	72252752	G/A	0.340	0.340	0.008	0.011	0.483	184.868
rs1997833	ebi-a-GCST90027161	20	39690342	C/T	0.276	0.276	0.007	0.012	0.529	264.050
rs6602909	ebi-a-GCST90027161	13	114551993	C/T	0.333	0.333	0.007	0.011	0.498	196.141
rs1571791	ebi-a-GCST90027161	9	78729213	T/C	0.379	0.379	0.007	0.011	0.496	93.205
rs10734369	ebi-a-GCST90027161	11	26081073	G/A	0.115	0.115	0.007	0.018	0.691	22.780
rs114483871	ebi-a-GCST90027161	4	73990168	T/C	0.028	0.028	0.007	0.031	0.818	24.621
rs10843390	ebi-a-GCST90027161	12	29496991	T/C	0.274	0.274	0.007	0.012	0.543	39.779
rs13011344	ebi-a-GCST90027161	2	144186545	G/T	0.236	0.236	0.007	0.012	0.556	35.240
rs7327867	ebi-a-GCST90027161	13	32968591	G/A	0.458	0.458	0.007	0.010	0.489	202.084
rs10910522	ebi-a-GCST90027161	1	235011725	A/G	0.410	0.410	0.007	0.010	0.508	70.345
rs13319523	ebi-a-GCST90027161	3	172074902	C/T	0.159	0.159	0.007	0.013	0.601	26.635
rs4390169	ebi-a-GCST90027161	1	155106054	A/G	0.482	0.482	0.007	0.010	0.499	74.695

rs704	ebi-a-GCST90027161	17	26694861	A/G	0.453	0.453	0.007	0.010	0.502	184.468
rs9297994	ebi-a-GCST90027161	8	59392324	G/A	0.360	0.360	0.006	0.010	0.559	587.519
rs2526385	ebi-a-GCST90027161	3	50181135	T/G	0.216	0.216	0.006	0.012	0.618	30.932
rs28498684	ebi-a-GCST90027161	9	16900695	A/G	0.423	0.423	0.006	0.010	0.557	85.830
rs77631946	ebi-a-GCST90027161	11	63688374	A/C	0.104	0.104	0.006	0.017	0.724	57.919
rs17725246	ebi-a-GCST90027161	7	44581986	C/T	0.244	0.244	0.006	0.011	0.607	572.035
rs6967728	ebi-a-GCST90027161	7	97915637	A/G	0.173	0.173	0.006	0.014	0.668	95.436
rs603424	ebi-a-GCST90027161	10	102075479	A/G	0.148	0.148	0.006	0.015	0.691	70.923
rs13108218	ebi-a-GCST90027161	4	3443931	A/G	0.361	0.361	0.006	0.011	0.594	155.581
rs2737245	ebi-a-GCST90027161	8	116658583	T/G	0.290	0.290	0.006	0.011	0.610	267.471
rs3820897	ebi-a-GCST90027161	2	3642361	T/C	0.243	0.243	0.006	0.012	0.625	80.964
rs342467	ebi-a-GCST90027161	4	88052219	T/C	0.429	0.429	0.006	0.010	0.582	51.203
rs56031211	ebi-a-GCST90027161	13	110955270	A/G	0.184	0.184	0.006	0.013	0.673	23.681
rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	914.163
rs8015761	ebi-a-GCST90027161	14	104353308	T/C	0.475	0.475	0.006	0.010	0.590	27.738
rs1850956	ebi-a-GCST90027161	12	103453387	T/C	0.456	0.456	0.005	0.010	0.606	34.089
rs7579797	ebi-a-GCST90027161	2	65511539	A/G	0.487	0.487	0.005	0.010	0.600	20.721
rs11621792	ebi-a-GCST90027161	14	24871926	T/C	0.419	0.419	0.005	0.010	0.618	238.550
rs73159032	ebi-a-GCST90027161	3	155527626	A/C	0.137	0.137	0.005	0.015	0.726	26.950
rs113873857	ebi-a-GCST90027161	11	103656339	T/G	0.065	0.065	0.005	0.020	0.808	20.916
rs115383270	ebi-a-GCST90027161	1	161531340	A/G	0.057	0.057	0.005	0.029	0.866	49.442
rs55921103	ebi-a-GCST90027161	3	69810294	G/T	0.365	0.365	0.005	0.011	0.640	72.843
rs1567217	ebi-a-GCST90027161	4	48068783	A/G	0.261	0.261	0.005	0.012	0.681	27.625
rs434072	ebi-a-GCST90027161	3	12916946	T/G	0.427	0.427	0.005	0.015	0.751	24.014
rs144564458	ebi-a-GCST90027161	1	93794967	T/C	0.018	0.018	0.005	0.035	0.892	22.961
rs62070652	ebi-a-GCST90027161	17	29221277	T/C	0.274	0.274	0.005	0.011	0.679	72.500
rs3793707	ebi-a-GCST90027161	10	5798730	T/G	0.209	0.209	0.005	0.013	0.716	23.768
rs12607194	ebi-a-GCST90027161	18	42070799	C/T	0.203	0.203	0.005	0.012	0.713	24.306
rs17050272	ebi-a-GCST90027161	2	121306440	A/G	0.458	0.458	0.004	0.010	0.694	249.024
rs62419249	ebi-a-GCST90027161	6	101447338	A/G	0.468	0.468	0.004	0.010	0.691	74.325
rs11794775	ebi-a-GCST90027161	9	132555276	C/T	0.241	0.241	0.004	0.012	0.755	20.104
rs12454507	ebi-a-GCST90027161	18	77825981	G/A	0.266	0.266	0.004	0.012	0.744	38.962
rs62001668	ebi-a-GCST90027161	15	58566716	G/T	0.153	0.153	0.004	0.015	0.803	24.705

rs35206901	ebi-a-GCST90027161	2	44097360	G/A	0.194	0.194	0.004	0.013	0.780	481.381
rs55714927	ebi-a-GCST90027161	17	7080316	T/C	0.217	0.217	0.003	0.012	0.780	363.501
rs11167778	ebi-a-GCST90027161	5	141888881	T/C	0.117	0.117	0.003	0.015	0.837	93.895
rs35978917	ebi-a-GCST90027161	19	46383885	C/T	0.073	0.073	0.003	0.018	0.867	213.082
rs6037639	ebi-a-GCST90027161	20	415205	A/G	0.229	0.229	0.003	0.012	0.813	26.651
rs11636087	ebi-a-GCST90027161	15	63788267	C/T	0.310	0.310	0.003	0.011	0.798	86.677
rs56007101	ebi-a-GCST90027161	7	134899864	G/A	0.258	0.258	0.003	0.012	0.812	25.200
rs6485802	ebi-a-GCST90027161	11	48051442	C/A	0.286	0.286	0.003	0.011	0.813	27.957
rs8038512	ebi-a-GCST90027161	15	89106233	T/G	0.360	0.360	0.003	0.011	0.799	38.956
rs62289744	ebi-a-GCST90027161	3	187872657	A/G	0.095	0.095	0.003	0.018	0.888	26.471
rs10462024	ebi-a-GCST90027161	17	8051639	G/A	0.424	0.424	0.002	0.010	0.828	38.526
rs11170981	ebi-a-GCST90027161	12	54981127	T/G	0.445	0.445	0.002	0.010	0.833	22.516
rs17101394	ebi-a-GCST90027161	14	64232386	A/G	0.149	0.149	0.002	0.015	0.887	65.095
rs2615198	ebi-a-GCST90027161	18	61009966	A/G	0.270	0.270	0.002	0.012	0.864	26.139
rs63077960	ebi-a-GCST90027161	12	120089918	A/G	0.377	0.377	0.002	0.011	0.849	27.885
rs16861497	ebi-a-GCST90027161	3	186731327	T/G	0.394	0.394	0.002	0.010	0.857	35.619
rs1434282	ebi-a-GCST90027161	1	199010721	C/T	0.287	0.287	0.002	0.011	0.880	48.228
rs6792725	ebi-a-GCST90027161	3	24520283	A/G	0.361	0.361	0.002	0.011	0.876	95.936
rs5026917	ebi-a-GCST90027161	13	31010795	C/A	0.453	0.453	0.002	0.010	0.887	36.338
rs35239705	ebi-a-GCST90027161	2	21451687	A/G	0.201	0.201	0.001	0.013	0.919	1224.697
rs4803748	ebi-a-GCST90027161	19	45247048	T/C	0.372	0.372	0.001	0.011	0.912	2577.632
rs2125345	ebi-a-GCST90027161	17	73782191	C/T	0.264	0.264	0.001	0.012	0.948	119.522
rs12979383	ebi-a-GCST90027161	19	57079997	G/A	0.269	0.269	0.001	0.012	0.954	33.772
rs525767	ebi-a-GCST90027161	17	37070737	A/G	0.374	0.374	0.001	0.011	0.945	44.967
rs2941465	ebi-a-GCST90027161	8	76465909	T/C	0.482	0.482	0.000	0.010	0.968	36.245
rs7997102	ebi-a-GCST90027161	13	32445660	C/T	0.322	0.322	0.000	0.011	0.981	31.955
rs11837065	ebi-a-GCST90027161	12	100859983	T/C	0.385	0.385	0.000	0.010	0.982	57.029
rs272441	ebi-a-GCST90027161	5	179301260	A/G	0.087	0.087	0.000	0.019	0.998	31.301
rs6448432	ebi-a-GCST90027161	4	26098810	A/G	0.295	0.295	0.000	0.011	0.996	33.303
rs117753658	ebi-a-GCST90027161	16	71571282	G/A	0.019	0.019	0.000	0.037	0.994	108.012
rs13255048	ebi-a-GCST90027161	8	18276640	A/G	0.152	0.152	0.000	0.014	0.986	111.070
rs2740488	ebi-a-GCST90027161	9	107661742	C/A	0.233	0.233	0.000	0.013	0.980	248.100
rs1375131	ebi-a-GCST90027161	2	135954797	C/T	0.356	0.356	0.000	0.010	0.970	128.667

rs4374942	ebi-a-GCST90027161	7	155026807	C/T	0.103	0.103	-0.001	0.016	0.976	61.083
rs1031101	ebi-a-GCST90027161	10	54533360	G/A	0.140	0.140	-0.001	0.015	0.969	37.286
rs9525915	ebi-a-GCST90027161	13	44690110	A/G	0.358	0.358	-0.001	0.011	0.958	21.787
rs6999569	ebi-a-GCST90027161	8	126475770	G/A	0.478	0.478	-0.001	0.010	0.941	1466.028
rs969075	ebi-a-GCST90027161	20	17792323	T/C	0.320	0.320	-0.001	0.011	0.945	96.593
rs4671050	ebi-a-GCST90027161	2	62988169	T/G	0.329	0.329	-0.001	0.011	0.933	221.876
rs7124487	ebi-a-GCST90027161	11	2988323	T/C	0.167	0.167	-0.001	0.015	0.949	40.429
rs11789603	ebi-a-GCST90027161	9	107647019	T/C	0.097	0.097	-0.001	0.018	0.948	102.738
rs1656398	ebi-a-GCST90027161	2	233427852	G/A	0.230	0.230	-0.001	0.012	0.922	29.474
rs41280463	ebi-a-GCST90027161	4	154191226	A/G	0.187	0.187	-0.001	0.012	0.926	67.144
rs7764884	ebi-a-GCST90027161	6	7970540	G/A	0.426	0.426	-0.001	0.010	0.910	21.577
rs12094989	ebi-a-GCST90027161	1	26848386	T/C	0.216	0.216	-0.001	0.012	0.912	57.918
rs12657266	ebi-a-GCST90027161	5	156396003	C/T	0.357	0.357	-0.001	0.011	0.892	603.842
rs5755688	ebi-a-GCST90027161	22	35685048	A/G	0.366	0.366	-0.001	0.011	0.899	88.097
rs45613837	ebi-a-GCST90027161	8	141744917	A/G	0.482	0.482	-0.002	0.010	0.876	30.863
rs10105756	ebi-a-GCST90027161	8	70346595	C/T	0.295	0.295	-0.002	0.011	0.879	24.637
rs11761517	ebi-a-GCST90027161	7	158532706	T/C	0.494	0.494	-0.002	0.010	0.865	32.550
rs55816413	ebi-a-GCST90027161	17	5220340	T/C	0.168	0.168	-0.002	0.013	0.899	20.933
rs12614487	ebi-a-GCST90027161	2	158434569	T/C	0.071	0.071	-0.002	0.020	0.928	101.958
rs1567670	ebi-a-GCST90027161	15	77275072	A/G	0.184	0.184	-0.002	0.013	0.891	29.800
rs35882350	ebi-a-GCST90027161	12	623129	G/A	0.269	0.269	-0.002	0.012	0.878	124.829
rs17054397	ebi-a-GCST90027161	5	156680876	G/A	0.107	0.107	-0.002	0.016	0.909	28.391
rs9592980	ebi-a-GCST90027161	13	74855425	G/A	0.425	0.425	-0.002	0.010	0.832	44.699
rs2479413	ebi-a-GCST90027161	1	55518682	T/C	0.371	0.371	-0.002	0.011	0.827	1047.717
rs1556857	ebi-a-GCST90027161	6	116325559	C/T	0.397	0.397	-0.002	0.011	0.817	143.730
rs7108486	ebi-a-GCST90027161	11	5677158	C/T	0.023	0.023	-0.003	0.035	0.942	49.444
rs1515565	ebi-a-GCST90027161	12	92818786	A/G	0.445	0.445	-0.003	0.010	0.797	44.400
rs1638586	ebi-a-GCST90027161	11	67174597	A/G	0.094	0.094	-0.003	0.016	0.865	57.877
rs1292069	ebi-a-GCST90027161	17	57928290	C/T	0.452	0.452	-0.003	0.010	0.775	49.154
rs2238614	ebi-a-GCST90027161	19	2755339	A/G	0.211	0.211	-0.003	0.012	0.815	65.234
rs12463825	ebi-a-GCST90027161	2	72501537	G/A	0.170	0.170	-0.003	0.014	0.830	23.934
rs2451322	ebi-a-GCST90027161	12	124545515	G/A	0.400	0.400	-0.003	0.010	0.774	55.937
rs12749864	ebi-a-GCST90027161	1	172499781	A/G	0.281	0.281	-0.003	0.011	0.775	28.844

rs215232	ebi-a-GCST90027161	12	596991	G/A	0.353	0.353	-0.003	0.011	0.773	22.109
rs35081008	ebi-a-GCST90027161	19	58662235	T/C	0.142	0.142	-0.003	0.015	0.834	255.495
rs8108762	ebi-a-GCST90027161	19	45653227	A/G	0.327	0.327	-0.003	0.011	0.766	365.926
rs60988380	ebi-a-GCST90027161	9	33117954	T/C	0.107	0.107	-0.003	0.016	0.841	32.213
rs6588577	ebi-a-GCST90027161	1	56322645	A/C	0.057	0.057	-0.003	0.023	0.883	60.532
rs17425376	ebi-a-GCST90027161	2	44327351	T/C	0.112	0.112	-0.004	0.016	0.823	43.320
rs1182198	ebi-a-GCST90027161	7	2862906	T/C	0.309	0.309	-0.004	0.011	0.740	26.572
rs2983363	ebi-a-GCST90027161	10	52327409	T/C	0.209	0.209	-0.004	0.012	0.763	20.650
rs8107100	ebi-a-GCST90027161	19	33885653	A/G	0.036	0.036	-0.004	0.025	0.883	21.086
rs7157399	ebi-a-GCST90027161	14	70846954	T/C	0.137	0.137	-0.004	0.015	0.802	160.291
rs62076528	ebi-a-GCST90027161	17	78330756	G/A	0.381	0.381	-0.004	0.011	0.690	31.337
rs17472933	ebi-a-GCST90027161	5	39557453	A/G	0.537	0.463	-0.004	0.010	0.672	27.196
rs2835302	ebi-a-GCST90027161	21	37557474	C/T	0.407	0.407	-0.005	0.010	0.656	20.161
rs6684364	ebi-a-GCST90027161	1	78574129	A/G	0.227	0.227	-0.005	0.012	0.687	35.014
rs138352	ebi-a-GCST90027161	22	41268925	T/G	0.355	0.355	-0.005	0.011	0.632	87.261
rs118039278	ebi-a-GCST90027161	6	160985526	A/G	0.065	0.065	-0.005	0.023	0.820	1680.204
rs908743	ebi-a-GCST90027161	1	2038824	A/G	0.513	0.487	-0.005	0.010	0.605	26.070
rs77849807	ebi-a-GCST90027161	4	26152727	G/A	0.020	0.020	-0.006	0.033	0.867	20.714
rs11787335	ebi-a-GCST90027161	8	145044104	T/C	0.352	0.352	-0.006	0.011	0.594	248.575
rs1571536	ebi-a-GCST90027161	9	92215638	T/C	0.489	0.489	-0.006	0.010	0.572	23.838
rs11246280	ebi-a-GCST90027161	11	707424	C/T	0.488	0.488	-0.006	0.010	0.554	33.392
rs28615248	ebi-a-GCST90027161	8	55451193	C/T	0.205	0.205	-0.006	0.013	0.633	193.096
rs4946713	ebi-a-GCST90027161	6	106374015	A/C	0.428	0.428	-0.006	0.010	0.560	64.088
rs6545409	ebi-a-GCST90027161	2	54709683	T/C	0.350	0.350	-0.006	0.011	0.567	20.886
rs1057868	ebi-a-GCST90027161	7	75615006	T/C	0.326	0.326	-0.007	0.011	0.534	56.856
rs13379043	ebi-a-GCST90027161	14	74250126	C/T	0.239	0.239	-0.007	0.013	0.592	111.214
rs1497406	ebi-a-GCST90027161	1	16505320	A/G	0.379	0.379	-0.007	0.011	0.530	93.393
rs6478851	ebi-a-GCST90027161	9	131561110	A/G	0.213	0.213	-0.007	0.013	0.596	64.548
rs10438978	ebi-a-GCST90027161	18	47158186	T/C	0.184	0.184	-0.007	0.013	0.595	95.883
rs56225452	ebi-a-GCST90027161	19	59024646	T/C	0.174	0.174	-0.007	0.014	0.614	90.489
rs9605408	ebi-a-GCST90027161	22	18281729	G/A	0.389	0.389	-0.007	0.011	0.507	23.207
rs28375625	ebi-a-GCST90027161	15	49742494	A/C	0.445	0.445	-0.007	0.010	0.489	41.886
rs7416272	ebi-a-GCST90027161	1	210467425	A/G	0.195	0.195	-0.007	0.012	0.567	25.145

rs2301179	ebi-a-GCST90027161	10	118404620	A/G	0.467	0.467	-0.007	0.010	0.489	129.833
rs7700965	ebi-a-GCST90027161	5	74356857	C/T	0.362	0.362	-0.007	0.011	0.485	956.985
rs3740355	ebi-a-GCST90027161	10	63810458	A/C	0.359	0.359	-0.007	0.011	0.482	22.519
rs799157	ebi-a-GCST90027161	7	73020301	T/C	0.033	0.033	-0.007	0.034	0.825	67.346
rs2936512	ebi-a-GCST90027161	8	6599005	T/C	0.330	0.330	-0.008	0.011	0.483	64.638
rs6869845	ebi-a-GCST90027161	5	122833703	C/T	0.468	0.468	-0.008	0.010	0.457	143.083
rs9399137	ebi-a-GCST90027161	6	135419018	C/T	0.293	0.293	-0.008	0.011	0.485	260.524
rs2602527	ebi-a-GCST90027161	2	178160472	A/C	0.330	0.330	-0.008	0.019	0.678	23.986
rs7499309	ebi-a-GCST90027161	16	85557449	G/A	0.274	0.274	-0.008	0.012	0.521	29.544
rs7904973	ebi-a-GCST90027161	10	124693587	G/T	0.402	0.402	-0.008	0.011	0.466	222.355
rs2391159	ebi-a-GCST90027161	1	92971951	T/C	0.205	0.205	-0.008	0.013	0.530	185.608
rs55943924	ebi-a-GCST90027161	11	134294813	A/G	0.131	0.131	-0.008	0.015	0.587	31.087
rs4687545	ebi-a-GCST90027161	3	52537969	T/C	0.075	0.075	-0.008	0.020	0.685	25.335
rs12028827	ebi-a-GCST90027161	1	197127491	C/A	0.186	0.186	-0.008	0.013	0.509	28.104
rs308915	ebi-a-GCST90027161	2	86859298	A/C	0.476	0.476	-0.008	0.010	0.413	27.677
rs35758343	ebi-a-GCST90027161	4	10119404	C/T	0.220	0.220	-0.008	0.012	0.497	19.618
rs267733	ebi-a-GCST90027161	1	150958836	G/A	0.154	0.154	-0.009	0.014	0.545	96.656
rs6440043	ebi-a-GCST90027161	3	141589505	C/T	0.484	0.484	-0.009	0.010	0.391	22.738
rs74695562	ebi-a-GCST90027161	5	74675951	G/T	0.042	0.042	-0.009	0.026	0.734	99.666
rs11811656	ebi-a-GCST90027161	1	45384332	T/G	0.242	0.242	-0.009	0.012	0.447	46.112
rs12046278	ebi-a-GCST90027161	1	10799577	C/T	0.387	0.387	-0.009	0.010	0.368	27.967
rs2235215	ebi-a-GCST90027161	6	16131156	C/T	0.341	0.341	-0.009	0.011	0.372	457.738
rs911361	ebi-a-GCST90027161	6	20415053	A/G	0.452	0.452	-0.010	0.011	0.362	27.081
rs17617028	ebi-a-GCST90027161	4	106064683	A/G	0.229	0.229	-0.010	0.012	0.395	62.590
rs17776811	ebi-a-GCST90027161	14	90066451	A/C	0.402	0.402	-0.010	0.011	0.345	43.627
rs11719535	ebi-a-GCST90027161	3	125087678	C/T	0.247	0.247	-0.010	0.012	0.384	52.316
rs1992172	ebi-a-GCST90027161	2	109093836	G/A	0.212	0.212	-0.010	0.012	0.411	122.949
rs11499828	ebi-a-GCST90027161	4	100277558	C/T	0.117	0.117	-0.010	0.015	0.491	53.569
rs6496690	ebi-a-GCST90027161	15	91097401	T/C	0.149	0.149	-0.010	0.014	0.466	23.002
rs56118251	ebi-a-GCST90027161	3	171534525	G/A	0.147	0.147	-0.011	0.015	0.470	52.469
rs2034796	ebi-a-GCST90027161	4	15112878	A/G	0.422	0.422	-0.011	0.010	0.298	31.360
rs10184673	ebi-a-GCST90027161	2	169827796	G/A	0.433	0.433	-0.011	0.010	0.287	238.970
rs117963162	ebi-a-GCST90027161	15	90337544	A/G	0.167	0.167	-0.011	0.014	0.439	22.329

rs12288924	ebi-a-GCST90027161	11	126286010	A/G	0.182	0.182	-0.011	0.014	0.426	23.710
rs1169288	ebi-a-GCST90027161	12	121416650	C/A	0.343	0.343	-0.011	0.011	0.286	578.697
rs12917376	ebi-a-GCST90027161	15	75116167	C/T	0.455	0.455	-0.011	0.010	0.272	78.314
rs2820468	ebi-a-GCST90027161	1	219673705	A/G	0.348	0.348	-0.011	0.011	0.289	24.182
rs74341202	ebi-a-GCST90027161	3	132183991	A/G	0.058	0.058	-0.011	0.022	0.598	173.973
rs17011755	ebi-a-GCST90027161	10	50287572	G/A	0.195	0.195	-0.012	0.013	0.386	27.814
rs61730955	ebi-a-GCST90027161	7	943868	A/G	0.067	0.067	-0.012	0.019	0.547	31.040
rs10817718	ebi-a-GCST90027161	9	117925945	A/G	0.288	0.288	-0.012	0.011	0.294	23.098
rs9305744	ebi-a-GCST90027161	21	42842988	A/G	0.287	0.287	-0.012	0.011	0.286	28.116
rs75588192	ebi-a-GCST90027161	12	133048600	A/G	0.136	0.136	-0.012	0.015	0.432	60.221
rs7697665	ebi-a-GCST90027161	4	126270636	A/G	0.062	0.062	-0.012	0.021	0.561	24.764
rs9651367	ebi-a-GCST90027161	10	20223450	A/G	0.282	0.282	-0.012	0.011	0.287	25.150
rs2470854	ebi-a-GCST90027161	3	98704236	G/A	0.420	0.420	-0.012	0.010	0.231	23.582
rs7597504	ebi-a-GCST90027161	2	238571074	T/C	0.332	0.332	-0.012	0.011	0.267	22.424
rs6651267	ebi-a-GCST90027161	8	87535573	G/A	0.255	0.255	-0.012	0.011	0.282	24.773
rs3814365	ebi-a-GCST90027161	2	204305093	T/C	0.482	0.482	-0.012	0.010	0.224	94.115
rs564449	ebi-a-GCST90027161	7	100321138	T/G	0.131	0.131	-0.012	0.015	0.403	150.186
rs9653945	ebi-a-GCST90027161	3	142660706	A/G	0.359	0.359	-0.012	0.011	0.237	79.499
rs116734477	ebi-a-GCST90027161	5	52095024	T/C	0.037	0.037	-0.013	0.028	0.657	195.079
rs2434583	ebi-a-GCST90027161	5	57620041	C/A	0.583	0.417	-0.013	0.014	0.376	31.810
rs56223081	ebi-a-GCST90027161	11	65961498	T/G	0.042	0.042	-0.013	0.029	0.659	32.181
rs12943633	ebi-a-GCST90027161	17	37970365	T/C	0.097	0.097	-0.013	0.016	0.413	48.384
rs117765227	ebi-a-GCST90027161	17	26853356	T/C	0.032	0.032	-0.013	0.029	0.651	56.056
rs28497720	ebi-a-GCST90027161	4	100487370	T/C	0.233	0.233	-0.013	0.012	0.277	120.766
rs79722717	ebi-a-GCST90027161	2	25957467	A/G	0.028	0.028	-0.014	0.034	0.680	23.065
rs147622113	ebi-a-GCST90027161	19	10771941	T/C	0.028	0.028	-0.014	0.031	0.653	57.128
rs2068888	ebi-a-GCST90027161	10	94839642	A/G	0.459	0.459	-0.014	0.010	0.165	166.936
rs6425607	ebi-a-GCST90027161	1	180075388	A/G	0.135	0.135	-0.014	0.015	0.362	20.402
rs2289746	ebi-a-GCST90027161	3	105455955	T/C	0.342	0.342	-0.014	0.011	0.182	20.480
rs4468817	ebi-a-GCST90027161	2	121194755	C/T	0.320	0.320	-0.014	0.011	0.186	22.102
rs6665535	ebi-a-GCST90027161	1	174491618	G/A	0.246	0.246	-0.014	0.012	0.230	33.217
rs113248417	ebi-a-GCST90027161	11	61826934	G/A	0.032	0.032	-0.015	0.027	0.591	20.264
rs2618566	ebi-a-GCST90027161	20	17844684	G/T	0.330	0.330	-0.015	0.011	0.170	708.224

rs2840354	ebi-a-GCST90027161	18	9545961	T/C	0.173	0.173	-0.015	0.014	0.282	42.281
rs3935011	ebi-a-GCST90027161	1	246891269	C/T	0.448	0.448	-0.015	0.010	0.142	40.741
rs7864568	ebi-a-GCST90027161	9	78212428	A/G	0.366	0.366	-0.015	0.010	0.141	99.554
rs62023531	ebi-a-GCST90027161	15	53168857	T/C	0.071	0.071	-0.016	0.027	0.564	25.396
rs9410207	ebi-a-GCST90027161	9	91404799	C/T	0.052	0.052	-0.016	0.024	0.517	50.176
rs10495907	ebi-a-GCST90027161	2	43998726	A/G	0.140	0.140	-0.016	0.014	0.269	234.395
rs12523888	ebi-a-GCST90027161	6	121781385	C/T	0.224	0.224	-0.016	0.012	0.178	22.209
rs1896995	ebi-a-GCST90027161	10	65365385	C/T	0.493	0.493	-0.016	0.010	0.114	74.741
rs117139027	ebi-a-GCST90027161	8	29024943	A/G	0.012	0.012	-0.016	0.060	0.786	148.547
rs4234798	ebi-a-GCST90027161	4	7219933	T/G	0.390	0.390	-0.016	0.010	0.112	60.337
rs74747585	ebi-a-GCST90027161	19	45039971	C/T	0.017	0.017	-0.017	0.050	0.741	463.656
rs17476364	ebi-a-GCST90027161	10	71094504	C/T	0.088	0.088	-0.017	0.020	0.396	132.534
rs12271333	ebi-a-GCST90027161	11	5690691	C/A	0.128	0.128	-0.017	0.016	0.287	65.678
rs148631275	ebi-a-GCST90027161	1	109927624	C/T	0.020	0.020	-0.017	0.036	0.633	38.070
rs28929474	ebi-a-GCST90027161	14	94844947	T/C	0.020	0.020	-0.017	0.037	0.643	103.626
rs1061537	ebi-a-GCST90027161	6	29937795	A/G	0.424	0.424	-0.017	0.011	0.116	72.403
rs1351303	ebi-a-GCST90027161	4	37423287	G/A	0.295	0.295	-0.017	0.011	0.118	20.241
rs13178412	ebi-a-GCST90027161	5	55831021	G/A	0.141	0.141	-0.017	0.015	0.235	25.225
rs56266464	ebi-a-GCST90027161	2	44054991	A/G	0.069	0.069	-0.018	0.020	0.366	1529.952
rs12693968	ebi-a-GCST90027161	2	203302627	A/G	0.276	0.276	-0.018	0.011	0.109	177.135
rs143811369	ebi-a-GCST90027161	19	18683340	G/A	0.029	0.029	-0.018	0.032	0.572	38.953
rs6682862	ebi-a-GCST90027161	1	177938437	A/G	0.166	0.166	-0.018	0.014	0.192	52.924
rs114863007	ebi-a-GCST90027161	6	34729158	A/G	0.117	0.117	-0.018	0.015	0.230	128.990
rs79391862	ebi-a-GCST90027161	15	53739426	C/A	0.021	0.021	-0.018	0.032	0.566	144.172
rs62000665	ebi-a-GCST90027161	14	39766074	T/C	0.189	0.189	-0.019	0.013	0.152	26.924
rs75378043	ebi-a-GCST90027161	14	70873675	A/G	0.020	0.020	-0.019	0.042	0.656	20.100
rs11950193	ebi-a-GCST90027161	5	42087713	A/C	0.050	0.050	-0.019	0.024	0.423	21.871
rs7330899	ebi-a-GCST90027161	13	95223400	A/G	0.249	0.249	-0.019	0.012	0.099	78.962
rs62503281	ebi-a-GCST90027161	8	23380743	A/C	0.292	0.292	-0.019	0.011	0.085	20.890
rs230496	ebi-a-GCST90027161	4	103488491	G/A	0.417	0.417	-0.020	0.010	0.054	24.406
rs113226308	ebi-a-GCST90027161	16	47875958	G/T	0.031	0.031	-0.020	0.033	0.548	25.453
rs6060491	ebi-a-GCST90027161	20	34175100	T/C	0.106	0.106	-0.020	0.017	0.244	204.145
rs2705834	ebi-a-GCST90027161	7	75285772	C/A	0.432	0.432	-0.020	0.010	0.052	25.320

rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	612.538
rs13301660	ebi-a-GCST90027161	9	139340802	T/C	0.270	0.270	-0.021	0.011	0.063	99.266
rs6491728	ebi-a-GCST90027161	13	103690217	T/G	0.110	0.110	-0.021	0.018	0.223	19.702
rs12451056	ebi-a-GCST90027161	17	76396188	T/C	0.123	0.123	-0.022	0.017	0.196	92.681
rs6090040	ebi-a-GCST90027161	20	62692060	A/C	0.468	0.468	-0.022	0.010	0.031	94.593
rs56294298	ebi-a-GCST90027161	9	117133524	A/G	0.074	0.074	-0.023	0.021	0.282	49.214
rs3746337	ebi-a-GCST90027161	20	25208272	T/C	0.506	0.494	-0.023	0.010	0.023	52.567
rs6791987	ebi-a-GCST90027161	3	56579538	T/C	0.445	0.445	-0.024	0.010	0.020	19.892
rs35106682	ebi-a-GCST90027161	7	134383407	A/C	0.482	0.482	-0.024	0.010	0.020	31.445
rs112449225	ebi-a-GCST90027161	1	109610698	G/A	0.022	0.022	-0.024	0.035	0.495	29.187
rs7025486	ebi-a-GCST90027161	9	124422403	A/G	0.258	0.258	-0.025	0.012	0.032	35.956
rs12603290	ebi-a-GCST90027161	17	45650196	T/C	0.476	0.476	-0.025	0.010	0.015	346.924
rs117733303	ebi-a-GCST90027161	6	160922870	G/A	0.017	0.017	-0.025	0.038	0.514	751.164
rs1196753	ebi-a-GCST90027161	12	105602631	C/A	0.169	0.169	-0.025	0.014	0.070	23.678
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	54.197
rs13268	ebi-a-GCST90027161	22	45996298	G/A	0.029	0.029	-0.026	0.029	0.372	70.433
rs117890971	ebi-a-GCST90027161	11	56806924	A/C	0.032	0.032	-0.026	0.030	0.378	23.589
rs150474434	ebi-a-GCST90027161	2	118845121	A/G	0.097	0.097	-0.026	0.017	0.122	315.607
rs7599046	ebi-a-GCST90027161	2	43238381	A/C	0.044	0.044	-0.027	0.026	0.306	30.001
rs11846704	ebi-a-GCST90027161	14	35186694	T/C	0.268	0.268	-0.029	0.012	0.013	77.193
rs11648003	ebi-a-GCST90027161	16	72052348	G/A	0.223	0.223	-0.029	0.012	0.015	955.611
rs3184504	ebi-a-GCST90027161	12	111884608	T/C	0.453	0.453	-0.030	0.010	0.004	282.250
rs3809627	ebi-a-GCST90027161	16	30103160	A/C	0.434	0.434	-0.030	0.010	0.004	25.523
rs147791730	ebi-a-GCST90027161	19	33864260	A/G	0.031	0.031	-0.030	0.029	0.292	48.501
rs191243200	ebi-a-GCST90027161	2	44090361	A/G	0.012	0.012	-0.031	0.051	0.544	107.813
rs16896059	ebi-a-GCST90027161	8	98655937	A/G	0.183	0.183	-0.033	0.013	0.012	22.623
rs79273881	ebi-a-GCST90027161	2	176866756	A/G	0.022	0.022	-0.034	0.036	0.345	21.264
rs11067272	ebi-a-GCST90027161	12	115176820	A/G	0.054	0.054	-0.034	0.021	0.111	23.284
rs61882680	ebi-a-GCST90027161	11	46370636	T/C	0.035	0.035	-0.037	0.027	0.166	46.309
rs148086620	ebi-a-GCST90027161	15	57415927	G/A	0.036	0.036	-0.039	0.029	0.188	70.350
rs114713488	ebi-a-GCST90027161	1	109751285	C/A	0.027	0.027	-0.044	0.033	0.182	81.505
rs62119261	ebi-a-GCST90027161	19	45122043	C/A	0.033	0.033	-0.044	0.034	0.193	1015.548
rs77960347	ebi-a-GCST90027161	18	47109955	G/A	0.011	0.011	-0.044	0.053	0.401	127.264

rs73013176	ebi-a-GCST90027161	19	11147526	C/T	0.009	0.009	-0.046	0.057	0.417	1002.632
rs12732125	ebi-a-GCST90027161	1	55470153	T/C	0.034	0.034	-0.047	0.026	0.076	1098.886
rs2234633	ebi-a-GCST90027161	14	21467928	C/T	0.031	0.031	-0.047	0.026	0.067	24.471
rs115458560	ebi-a-GCST90027161	1	110061974	C/T	0.012	0.012	-0.051	0.060	0.401	70.057
rs72791886	ebi-a-GCST90027161	2	21750905	T/C	0.025	0.025	-0.051	0.036	0.155	21.569
rs17036094	ebi-a-GCST90027161	1	109834940	C/A	0.008	0.008	-0.052	0.071	0.460	317.536
rs78643851	ebi-a-GCST90027161	11	69706362	T/G	0.681	0.320	-0.053	0.036	0.144	41.724
rs117590445	ebi-a-GCST90027161	20	61321110	T/C	0.012	0.012	-0.054	0.075	0.472	41.587
rs149841512	ebi-a-GCST90027161	1	109796865	A/G	0.023	0.023	-0.064	0.034	0.059	66.599
rs141015559	ebi-a-GCST90027161	19	10817126	A/G	0.012	0.012	-0.064	0.052	0.215	54.136
rs79849315	ebi-a-GCST90027161	20	17860732	T/G	0.022	0.022	-0.066	0.034	0.048	20.345
rs117344422	ebi-a-GCST90027161	10	74383602	A/C	0.016	0.016	-0.076	0.041	0.062	20.959
rs45518133	ebi-a-GCST90027161	19	10670351	T/C	0.020	0.020	-0.084	0.035	0.016	353.060
rs116692022	ebi-a-GCST90027161	4	155448758	G/A	0.009	0.009	-0.098	0.067	0.145	49.710
rs146534110	ebi-a-GCST90027161	6	160578069	T/G	0.010	0.010	-0.114	0.058	0.050	131.192
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rs117784383	ebi-a-GCST90027161	15	58600889	A/G	0.012	0.012	0.082	0.057	0.148	20.874
rs150000768	ebi-a-GCST90027161	1	10445304	T/C	0.025	0.025	0.070	0.031	0.026	19.732
rs143783541	ebi-a-GCST90027161	7	472718	T/C	0.003	0.003	0.048	0.085	0.569	21.881
rs34970011	ebi-a-GCST90027161	2	169508701	A/G	0.676	0.324	0.018	0.011	0.101	22.881
rs200655100	ebi-a-GCST90027161	6	80071283	A/C	0.817	0.183	0.015	0.018	0.415	21.795
rs7227380	ebi-a-GCST90027161	18	22999054	T/C	0.277	0.277	0.014	0.012	0.213	19.716
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	70.812
rs111632188	ebi-a-GCST90027161	11	77564608	T/C	0.060	0.060	0.007	0.022	0.753	21.520
rs10771244	ebi-a-GCST90027161	12	26044082	A/G	0.278	0.278	0.005	0.011	0.684	19.930
rs4256151	ebi-a-GCST90027161	3	58588589	A/G	0.734	0.266	0.000	0.012	0.995	20.332
rs2114230	ebi-a-GCST90027161	18	72139229	T/C	0.645	0.355	-0.001	0.010	0.927	21.999
rs2364548	ebi-a-GCST90027161	1	41856071	A/C	0.582	0.418	-0.006	0.014	0.690	20.617
rs74649801	ebi-a-GCST90027161	19	7636214	A/G	0.898	0.103	-0.012	0.017	0.467	21.017
rs7554235	ebi-a-GCST90027161	1	40398728	T/C	0.271	0.271	-0.012	0.012	0.291	28.810
rs6936415	ebi-a-GCST90027161	6	165591909	A/G	0.088	0.088	-0.022	0.018	0.218	25.039
rs1298652	ebi-a-GCST90027161	1	227190456	A/G	0.091	0.091	-0.022	0.018	0.223	27.682
rs76008741	ebi-a-GCST90027161	2	242764280	T/C	0.110	0.110	-0.022	0.018	0.203	23.598

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rs41521747	ebi-a-GCST90027161	20	16857044	A/G	0.977	0.023	0.040	0.031	0.194	19.798
rs72742660	ebi-a-GCST90027161	9	82898019	A/G	0.975	0.025	0.033	0.033	0.316	20.766
rs35268040	ebi-a-GCST90027161	15	99674246	T/C	0.851	0.149	0.032	0.014	0.026	20.476
rs1826220	ebi-a-GCST90027161	3	26736918	T/C	0.373	0.373	0.027	0.011	0.011	24.670
rs7894937	ebi-a-GCST90027161	10	3388334	A/G	0.751	0.249	0.025	0.012	0.037	19.722
rs141815839	ebi-a-GCST90027161	1	229551943	A/G	0.981	0.019	0.014	0.040	0.735	20.543
rs2125950	ebi-a-GCST90027161	8	2928234	A/G	0.342	0.342	0.012	0.011	0.278	19.691
rs11033301	ebi-a-GCST90027161	11	35865424	A/G	0.216	0.216	0.011	0.012	0.350	20.326
rs12458265	ebi-a-GCST90027161	18	22994850	T/C	0.125	0.125	0.010	0.016	0.522	20.749
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	45.633
rs4921915	ebi-a-GCST90027161	8	18272466	A/G	0.771	0.229	0.008	0.012	0.507	21.796
rs1424977	ebi-a-GCST90027161	2	53479949	A/G	0.771	0.229	-0.006	0.012	0.645	23.921
rs3017913	ebi-a-GCST90027161	4	89603298	A/G	0.696	0.304	-0.008	0.011	0.490	21.195
rs10889335	ebi-a-GCST90027161	1	62960101	A/G	0.670	0.330	-0.008	0.011	0.448	21.778
rs111458718	ebi-a-GCST90027161	12	4577676	T/C	0.024	0.024	-0.011	0.031	0.734	21.905
rs7529794	ebi-a-GCST90027161	1	40403370	T/G	0.257	0.257	-0.014	0.012	0.235	112.727
rs111606063	ebi-a-GCST90027161	12	3236490	T/C	0.018	0.018	-0.015	0.045	0.746	19.618
rs12001423	ebi-a-GCST90027161	9	139597328	T/C	0.402	0.402	-0.015	0.011	0.166	19.688
rs6139309	ebi-a-GCST90027161	20	4073133	A/G	0.617	0.383	-0.019	0.011	0.077	19.579
rs138570705	ebi-a-GCST90027161	15	44266730	A/G	0.022	0.022	-0.031	0.034	0.359	19.811
rs34871842	ebi-a-GCST90027161	19	58353003	A/G	0.080	0.080	-0.037	0.019	0.052	19.622
rs148457950	ebi-a-GCST90027161	7	127163615	A/C	0.012	0.012	-0.061	0.051	0.237	22.007
rs140470484	ebi-a-GCST90027161	1	152267977	T/G	0.985	0.015	-0.063	0.045	0.166	22.247
rs138204490	ebi-a-GCST90027161	14	64230066	T/C	0.988	0.012	-0.071	0.055	0.199	19.934
rs180984605	ebi-a-GCST90027161	8	68464805	A/G	0.990	0.010	-0.109	0.071	0.127	24.176

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rs117220151	ebi-a-GCST90027161	21	25297987	T/C	0.014	0.014	0.117	0.059	0.049	20.265
rs45473299	ebi-a-GCST90027161	15	99252088	T/C	0.991	0.009	0.094	0.068	0.166	19.995
rs150000768	ebi-a-GCST90027161	1	10445304	T/C	0.025	0.025	0.070	0.031	0.026	24.805
rs114083577	ebi-a-GCST90027161	4	4004203	T/C	0.970	0.030	0.032	0.032	0.315	20.468
rs12250372	ebi-a-GCST90027161	10	119601743	A/G	0.101	0.101	0.023	0.017	0.168	20.250
rs189363040	ebi-a-GCST90027161	6	55604953	T/C	0.943	0.057	0.021	0.023	0.363	23.091

rs10089273	ebi-a-GCST90027161	8	51805648	A/G	0.979	0.022	0.020	0.035	0.558	21.421
rs116722426	ebi-a-GCST90027161	3	168301835	T/G	0.976	0.024	0.013	0.031	0.690	20.756
rs3743836	ebi-a-GCST90027161	16	5108250	A/C	0.161	0.161	0.012	0.014	0.378	22.090
rs62394101	ebi-a-GCST90027161	6	17770365	A/G	0.961	0.039	0.008	0.025	0.742	25.392
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	60.196
rs603424	ebi-a-GCST90027161	10	102075479	A/G	0.148	0.148	0.006	0.015	0.691	79.381
rs61790516	ebi-a-GCST90027161	3	170554919	A/G	0.943	0.057	0.004	0.021	0.840	20.720
rs6742739	ebi-a-GCST90027161	2	180131356	A/G	0.678	0.322	0.001	0.011	0.942	22.269
rs35503091	ebi-a-GCST90027161	8	138201395	A/C	0.929	0.072	0.000	0.018	0.988	20.528
rs117091812	ebi-a-GCST90027161	9	81272613	A/G	0.965	0.036	-0.002	0.026	0.926	26.432
rs6556870	ebi-a-GCST90027161	5	94777001	A/G	0.071	0.071	-0.002	0.020	0.903	28.480
rs433235	ebi-a-GCST90027161	8	16050240	T/C	0.938	0.062	-0.004	0.022	0.865	21.981
rs6680258	ebi-a-GCST90027161	1	40399488	T/G	0.253	0.253	-0.013	0.012	0.257	54.546
rs11105136	ebi-a-GCST90027161	12	89406493	T/G	0.920	0.080	-0.017	0.017	0.336	23.996
rs12280464	ebi-a-GCST90027161	11	75569150	T/C	0.909	0.091	-0.020	0.017	0.228	29.975
rs114347473	ebi-a-GCST90027161	1	229533081	A/G	0.042	0.042	-0.041	0.027	0.138	22.331
rs148457950	ebi-a-GCST90027161	7	127163615	A/C	0.012	0.012	-0.061	0.051	0.237	20.994
lysoPC a C17:0										
rs62179998	ebi-a-GCST90027161	2	205094723	A/G	0.037	0.037	0.052	0.026	0.041	21.831
rs11049707	ebi-a-GCST90027161	12	28695510	A/G	0.054	0.054	0.034	0.023	0.139	22.889
rs34648177	ebi-a-GCST90027161	8	9161125	A/G	0.039	0.039	0.025	0.027	0.338	21.322
rs10264045	ebi-a-GCST90027161	7	15760654	A/C	0.947	0.053	0.025	0.027	0.355	24.361
rs13079223	ebi-a-GCST90027161	3	187475080	T/C	0.134	0.134	0.007	0.016	0.672	20.250
rs56183883	ebi-a-GCST90027161	20	24897942	A/G	0.353	0.353	0.004	0.011	0.710	22.976
rs4922559	ebi-a-GCST90027161	11	30640248	T/C	0.845	0.155	0.002	0.014	0.878	23.321
rs1424977	ebi-a-GCST90027161	2	53479949	A/G	0.771	0.229	-0.006	0.012	0.645	21.160
rs7157928	ebi-a-GCST90027161	14	102382347	T/C	0.069	0.069	-0.012	0.021	0.565	23.372
rs4777076	ebi-a-GCST90027161	15	68920568	A/G	0.218	0.218	-0.012	0.012	0.329	20.633
rs61781289	ebi-a-GCST90027161	1	40391255	T/C	0.253	0.253	-0.013	0.012	0.264	60.877
rs117399955	ebi-a-GCST90027161	8	48685194	A/C	0.008	0.008	-0.078	0.070	0.266	20.655
lysoPC a C18:0										
rs146486564	ebi-a-GCST90027161	4	34690881	T/G	0.991	0.009	0.042	0.062	0.494	24.358
rs78468022	ebi-a-GCST90027161	8	9219868	A/G	0.117	0.117	0.029	0.015	0.057	24.036

rs10264045	ebi-a-GCST90027161	7	15760654	A/C	0.947	0.053	0.025	0.027	0.355	20.250
rs79107804	ebi-a-GCST90027161	18	75396598	A/G	0.018	0.018	0.019	0.035	0.580	20.604
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	31.437
rs4921915	ebi-a-GCST90027161	8	18272466	A/G	0.771	0.229	0.008	0.012	0.507	20.913
rs2762559	ebi-a-GCST90027161	10	7187815	A/G	0.325	0.325	0.008	0.011	0.486	20.107
rs146357335	ebi-a-GCST90027161	15	89306288	T/G	0.016	0.016	0.007	0.044	0.875	22.798
rs6606866	ebi-a-GCST90027161	15	27305701	A/G	0.683	0.317	0.006	0.011	0.583	20.064
rs4922559	ebi-a-GCST90027161	11	30640248	T/C	0.845	0.155	0.002	0.014	0.878	21.874
rs1424977	ebi-a-GCST90027161	2	53479949	A/G	0.771	0.229	-0.006	0.012	0.645	21.204
rs9904419	ebi-a-GCST90027161	17	29059855	T/C	0.346	0.346	-0.008	0.011	0.459	21.859
rs10889335	ebi-a-GCST90027161	1	62960101	A/G	0.670	0.330	-0.008	0.011	0.448	22.065
rs4777076	ebi-a-GCST90027161	15	68920568	A/G	0.218	0.218	-0.012	0.012	0.329	23.361
rs7529794	ebi-a-GCST90027161	1	40403370	T/G	0.257	0.257	-0.014	0.012	0.235	83.879
rs2766005	ebi-a-GCST90027161	1	95428414	A/G	0.397	0.397	-0.016	0.011	0.125	26.611
rs34871842	ebi-a-GCST90027161	19	58353003	A/G	0.080	0.080	-0.037	0.019	0.052	25.271
rs143182641	ebi-a-GCST90027161	7	100840387	A/C	0.981	0.019	-0.077	0.035	0.026	19.495
lysoPC a C18:1										
rs147656975	ebi-a-GCST90027161	8	76226926	T/C	0.992	0.008	0.078	0.063	0.210	20.653
rs66665045	ebi-a-GCST90027161	1	57630604	T/C	0.927	0.073	0.041	0.023	0.078	20.344
rs9556404	ebi-a-GCST90027161	13	95254382	A/G	0.325	0.325	0.011	0.011	0.295	23.781
rs143559329	ebi-a-GCST90027161	1	229553620	T/G	0.981	0.019	0.009	0.040	0.830	27.758
rs594084	ebi-a-GCST90027161	9	3925954	T/C	0.636	0.364	0.008	0.011	0.448	20.881
rs146357335	ebi-a-GCST90027161	15	89306288	T/G	0.016	0.016	0.007	0.044	0.875	25.830
rs8131954	ebi-a-GCST90027161	21	19581800	T/C	0.902	0.098	0.006	0.017	0.727	20.668
rs188738880	ebi-a-GCST90027161	9	99776024	T/C	0.973	0.027	0.003	0.037	0.935	21.399
rs140514603	ebi-a-GCST90027161	14	92978298	A/G	0.975	0.025	0.001	0.034	0.979	19.915
rs9537360	ebi-a-GCST90027161	13	31680424	T/C	0.430	0.430	-0.004	0.010	0.730	21.212
rs4452082	ebi-a-GCST90027161	2	209740211	A/G	0.691	0.309	-0.005	0.011	0.664	19.531
rs1321819	ebi-a-GCST90027161	6	24403039	A/G	0.320	0.320	-0.010	0.011	0.335	21.288
rs6680258	ebi-a-GCST90027161	1	40399488	T/G	0.253	0.253	-0.013	0.012	0.257	73.290
rs6139309	ebi-a-GCST90027161	20	4073133	A/G	0.617	0.383	-0.019	0.011	0.077	20.017
rs8028905	ebi-a-GCST90027161	15	68905817	T/G	0.074	0.074	-0.023	0.021	0.279	20.140
rs4494206	ebi-a-GCST90027161	1	212947906	A/G	0.020	0.020	-0.054	0.043	0.215	19.633

rs78601420	ebi-a-GCST90027161	13	23558729	A/C	0.021	0.021	-0.061	0.035	0.078	19.932
rs140470484	ebi-a-GCST90027161	1	152267977	T/G	0.985	0.015	-0.063	0.045	0.166	20.655
lysoPC a C18:2										
rs174544	ebi-a-GCST90027161	11	61567753	A/C	0.334	0.334	0.035	0.011	0.001	24.676
rs10211008	ebi-a-GCST90027161	2	20088403	A/G	0.192	0.192	0.018	0.013	0.147	21.468
rs149930540	ebi-a-GCST90027161	3	185647833	A/G	0.989	0.011	0.015	0.049	0.754	25.783
rs17629839	ebi-a-GCST90027161	1	240570975	T/C	0.111	0.111	0.014	0.017	0.408	19.731
rs76683513	ebi-a-GCST90027161	13	95247329	T/C	0.880	0.120	0.013	0.015	0.412	21.499
rs80274995	ebi-a-GCST90027161	4	122938725	A/G	0.298	0.298	0.012	0.011	0.278	20.250
rs55696229	ebi-a-GCST90027161	4	170584625	T/C	0.015	0.015	0.009	0.049	0.849	20.584
rs146357335	ebi-a-GCST90027161	15	89306288	T/G	0.016	0.016	0.007	0.044	0.875	22.464
rs79747846	ebi-a-GCST90027161	6	24403196	T/C	0.813	0.188	0.006	0.013	0.617	19.843
rs2749907	ebi-a-GCST90027161	14	102345693	A/G	0.229	0.229	0.005	0.012	0.675	24.422
rs188738880	ebi-a-GCST90027161	9	99776024	T/C	0.973	0.027	0.003	0.037	0.935	22.981
rs17404261	ebi-a-GCST90027161	1	86434378	T/C	0.823	0.178	0.003	0.013	0.821	19.942
rs117318602	ebi-a-GCST90027161	10	6338742	A/G	0.040	0.040	0.003	0.026	0.918	19.840
rs2108521	ebi-a-GCST90027161	12	126335464	T/C	0.734	0.266	-0.001	0.012	0.912	21.568
rs13269685	ebi-a-GCST90027161	8	4270582	T/C	0.232	0.232	-0.005	0.012	0.694	21.149
rs2236314	ebi-a-GCST90027161	14	96010929	A/G	0.101	0.101	-0.006	0.017	0.728	20.360
rs6680258	ebi-a-GCST90027161	1	40399488	T/G	0.253	0.253	-0.013	0.012	0.257	63.016
rs8028905	ebi-a-GCST90027161	15	68905817	T/G	0.074	0.074	-0.023	0.021	0.279	23.580
rs74590219	ebi-a-GCST90027161	2	175069173	T/G	0.963	0.037	-0.029	0.027	0.281	19.867
rs143523294	ebi-a-GCST90027161	15	101632023	A/G	0.002	0.002	-0.102	0.097	0.293	21.077
rs117058688	ebi-a-GCST90027161	12	97109543	A/G	0.014	0.014	-0.143	0.045	0.001	22.341
lysoPC a C20:3										
rs150000768	ebi-a-GCST90027161	1	10445304	T/C	0.025	0.025	0.070	0.031	0.026	22.720
rs17520352	ebi-a-GCST90027161	18	51231948	A/G	0.008	0.008	0.046	0.066	0.487	20.267
rs145225820	ebi-a-GCST90027161	21	43613285	A/G	0.027	0.027	0.023	0.034	0.508	20.767
rs12961622	ebi-a-GCST90027161	18	71914853	T/C	0.726	0.274	0.016	0.012	0.158	21.556
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	30.250
rs681548	ebi-a-GCST90027161	11	30043350	A/G	0.426	0.426	0.008	0.010	0.456	19.997
rs118147841	ebi-a-GCST90027161	14	62951857	T/C	0.936	0.064	0.006	0.018	0.724	23.752
rs62252796	ebi-a-GCST90027161	3	32584688	A/C	0.074	0.074	0.006	0.021	0.763	24.609

rs73246980	ebi-a-GCST90027161	8	59381163	T/C	0.948	0.052	0.006	0.022	0.781	21.021
rs45617141	ebi-a-GCST90027161	15	43623397	T/G	0.987	0.013	0.005	0.047	0.912	20.449
rs62227240	ebi-a-GCST90027161	3	373547	T/C	0.913	0.087	0.004	0.018	0.828	20.338
rs4922559	ebi-a-GCST90027161	11	30640248	T/C	0.845	0.155	0.002	0.014	0.878	20.226
rs6742739	ebi-a-GCST90027161	2	180131356	A/G	0.678	0.322	0.001	0.011	0.942	21.235
rs6556870	ebi-a-GCST90027161	5	94777001	A/G	0.071	0.071	-0.002	0.020	0.903	19.638
rs12475693	ebi-a-GCST90027161	2	169753595	A/G	0.908	0.093	-0.003	0.019	0.870	21.152
rs11695874	ebi-a-GCST90027161	2	242129487	T/G	0.291	0.291	-0.004	0.011	0.733	21.066
rs4122352	ebi-a-GCST90027161	16	15174571	A/G	0.243	0.243	-0.007	0.016	0.674	161.208
rs9561643	ebi-a-GCST90027161	13	95253131	A/C	0.661	0.339	-0.007	0.011	0.534	22.658
rs7782161	ebi-a-GCST90027161	7	151510770	A/G	0.485	0.485	-0.007	0.010	0.470	22.974
rs600626	ebi-a-GCST90027161	11	75455309	A/G	0.811	0.189	-0.010	0.012	0.402	51.551
rs75704780	ebi-a-GCST90027161	7	36717797	A/C	0.990	0.011	-0.013	0.053	0.806	23.135
rs16949778	ebi-a-GCST90027161	15	66580285	T/C	0.790	0.210	-0.015	0.013	0.227	20.046
rs62029310	ebi-a-GCST90027161	16	15823995	T/C	0.948	0.052	-0.021	0.024	0.390	20.234
rs74679698	ebi-a-GCST90027161	19	37315562	A/G	0.076	0.076	-0.025	0.018	0.176	20.595
lysoPC a C20:4										
rs150000768	ebi-a-GCST90027161	1	10445304	T/C	0.025	0.025	0.070	0.031	0.026	23.638
rs117652628	ebi-a-GCST90027161	18	71467813	T/C	0.016	0.016	0.051	0.041	0.215	26.710
rs1340173	ebi-a-GCST90027161	13	73003576	A/G	0.947	0.053	0.024	0.022	0.272	19.868
rs73167487	ebi-a-GCST90027161	22	27293295	T/C	0.041	0.041	0.011	0.027	0.679	21.193
rs62431612	ebi-a-GCST90027161	6	148290364	T/G	0.130	0.130	0.011	0.015	0.458	19.554
rs693221	ebi-a-GCST90027161	3	189901374	A/G	0.496	0.496	0.007	0.010	0.481	20.898
rs7972269	ebi-a-GCST90027161	12	26760601	A/G	0.322	0.322	0.006	0.011	0.572	19.779
rs72789542	ebi-a-GCST90027161	16	15127535	A/C	0.307	0.307	0.005	0.011	0.669	48.907
rs112332523	ebi-a-GCST90027161	4	172373957	A/G	0.052	0.052	0.005	0.021	0.831	20.699
rs4922559	ebi-a-GCST90027161	11	30640248	T/C	0.845	0.155	0.002	0.014	0.878	22.160
rs12955975	ebi-a-GCST90027161	18	70107290	T/C	0.650	0.350	0.000	0.011	0.993	20.004
rs10895111	ebi-a-GCST90027161	11	101333174	T/C	0.017	0.017	-0.007	0.043	0.881	26.212
rs61752329	ebi-a-GCST90027161	15	82336551	T/C	0.091	0.091	-0.007	0.018	0.717	20.006
rs7355067	ebi-a-GCST90027161	1	92503131	A/G	0.540	0.460	-0.007	0.010	0.495	20.870
rs7529794	ebi-a-GCST90027161	1	40403370	T/G	0.257	0.257	-0.014	0.012	0.235	34.064
rs12318299	ebi-a-GCST90027161	12	131617904	T/C	0.208	0.208	-0.015	0.013	0.247	22.834

rs16949778	ebi-a-GCST90027161	15	66580285	T/C	0.790	0.210	-0.015	0.013	0.227	26.665
rs12280464	ebi-a-GCST90027161	11	75569150	T/C	0.909	0.091	-0.020	0.017	0.228	30.317
rs72868930	ebi-a-GCST90027161	10	134521039	T/C	0.019	0.019	-0.021	0.041	0.610	19.606
rs174528	ebi-a-GCST90027161	11	61543499	T/C	0.609	0.391	-0.033	0.010	0.002	936.446
rs7730247	ebi-a-GCST90027161	5	131781288	A/C	0.791	0.209	-0.038	0.012	0.001	25.802
rs189481106	ebi-a-GCST90027161	3	161988501	T/C	0.981	0.019	-0.039	0.039	0.320	21.149
rs148623923	ebi-a-GCST90027161	11	61674298	A/G	0.015	0.015	-0.056	0.040	0.155	27.679
lysoPC a C24:0										
rs56083136	ebi-a-GCST90027161	6	32424192	A/G	0.991	0.009	0.051	0.065	0.433	20.894
rs35243297	ebi-a-GCST90027161	9	129426903	T/C	0.101	0.101	0.049	0.019	0.010	20.429
rs75483870	ebi-a-GCST90027161	19	31469824	A/C	0.017	0.017	0.015	0.046	0.741	22.851
rs7604408	ebi-a-GCST90027161	2	172513754	T/C	0.149	0.149	0.001	0.015	0.954	20.158
rs10816530	ebi-a-GCST90027161	9	110316759	T/C	0.114	0.114	-0.003	0.016	0.839	19.580
rs111371822	ebi-a-GCST90027161	13	92005134	A/G	0.875	0.125	-0.006	0.015	0.668	19.787
rs13386040	ebi-a-GCST90027161	2	45916884	A/G	0.174	0.174	-0.009	0.013	0.477	19.555
rs145421223	ebi-a-GCST90027161	5	10532288	A/G	0.004	0.004	-0.010	0.131	0.941	22.717
rs11766415	ebi-a-GCST90027161	7	106708765	A/G	0.554	0.446	-0.013	0.010	0.216	19.629
rs61977144	ebi-a-GCST90027161	14	95291948	A/G	0.060	0.060	-0.013	0.023	0.557	21.135
rs61768483	ebi-a-GCST90027161	1	1110070	A/G	0.059	0.059	-0.015	0.018	0.420	19.706
rs734559	ebi-a-GCST90027161	18	72179579	A/G	0.205	0.205	-0.018	0.013	0.161	23.536
rs8117097	ebi-a-GCST90027161	20	39681324	T/C	0.981	0.019	-0.030	0.042	0.483	20.029
rs114665818	ebi-a-GCST90027161	1	112340780	T/C	0.037	0.037	-0.039	0.028	0.167	20.891
rs34310829	ebi-a-GCST90027161	12	52126846	A/G	0.985	0.016	-0.072	0.038	0.062	19.560
lysoPC a C26:0										
rs57457685	ebi-a-GCST90027161	20	62150052	A/G	0.115	0.115	0.056	0.015	0.000	20.388
rs117322733	ebi-a-GCST90027161	10	117225548	T/C	0.006	0.006	0.046	0.093	0.619	22.015
rs7943728	ebi-a-GCST90027161	11	61547068	A/G	0.156	0.156	0.044	0.015	0.003	72.382
rs192701415	ebi-a-GCST90027161	11	92979641	A/G	0.888	0.112	0.014	0.015	0.362	19.945
rs1814055	ebi-a-GCST90027161	1	72288091	A/G	0.308	0.308	0.012	0.011	0.281	21.891
rs4216	ebi-a-GCST90027161	7	99605861	T/C	0.325	0.325	0.011	0.011	0.339	21.384
rs10077631	ebi-a-GCST90027161	5	167842039	T/C	0.550	0.450	0.004	0.010	0.698	21.422
rs4122352	ebi-a-GCST90027161	16	15174571	A/G	0.243	0.243	-0.007	0.016	0.674	44.906
rs11960179	ebi-a-GCST90027161	5	67820217	A/G	0.131	0.131	-0.009	0.015	0.525	23.776

rs9634624	ebi-a-GCST90027161	13	92029241	A/G	0.850	0.150	-0.010	0.014	0.476	21.265
rs113722368	ebi-a-GCST90027161	22	49046720	T/C	0.028	0.028	-0.011	0.028	0.699	20.638
rs76195870	ebi-a-GCST90027161	10	34187483	T/C	0.018	0.018	-0.012	0.051	0.819	20.440
rs148740071	ebi-a-GCST90027161	1	59222028	A/G	0.985	0.015	-0.017	0.047	0.712	20.773
rs181600	ebi-a-GCST90027161	10	119344764	A/G	0.056	0.056	-0.018	0.021	0.390	20.370
rs2128750	ebi-a-GCST90027161	4	65260886	T/C	0.037	0.037	-0.031	0.030	0.301	19.882
rs603688	ebi-a-GCST90027161	8	2885465	A/G	0.191	0.191	-0.034	0.013	0.008	21.478
rs114937579	ebi-a-GCST90027161	2	177579691	A/G	0.990	0.010	-0.035	0.055	0.519	25.646
lysoPC a C26:1										
rs62422188	ebi-a-GCST90027161	6	118902765	A/G	0.012	0.012	0.045	0.048	0.347	21.335
rs74830828	ebi-a-GCST90027161	13	53416686	T/C	0.031	0.031	0.040	0.028	0.161	19.559
rs72642138	ebi-a-GCST90027161	4	58968011	T/C	0.978	0.023	0.038	0.036	0.293	21.717
rs117632917	ebi-a-GCST90027161	18	54757928	T/C	0.019	0.019	0.027	0.037	0.463	21.839
rs10930019	ebi-a-GCST90027161	2	162319114	A/G	0.908	0.092	0.024	0.017	0.158	20.834
rs1675291	ebi-a-GCST90027161	10	44339315	T/C	0.154	0.154	0.023	0.014	0.103	20.072
rs10815253	ebi-a-GCST90027161	9	5618557	A/G	0.680	0.320	0.022	0.011	0.043	20.279
rs75483870	ebi-a-GCST90027161	19	31469824	A/C	0.017	0.017	0.015	0.046	0.741	28.432
rs2291597	ebi-a-GCST90027161	3	4536403	A/G	0.068	0.068	0.015	0.021	0.478	21.418
rs7846197	ebi-a-GCST90027161	8	136721432	T/C	0.140	0.140	0.013	0.014	0.352	22.822
rs1080028	ebi-a-GCST90027161	21	26519773	T/G	0.538	0.462	-0.001	0.010	0.943	24.063
rs6498540	ebi-a-GCST90027161	16	15130594	A/G	0.682	0.318	-0.005	0.011	0.646	24.624
rs179673	ebi-a-GCST90027161	14	31324562	A/G	0.705	0.295	-0.005	0.012	0.662	19.959
rs151125173	ebi-a-GCST90027161	22	44688211	A/G	0.980	0.020	-0.009	0.037	0.807	22.744
rs60501704	ebi-a-GCST90027161	2	100888697	T/C	0.821	0.179	-0.012	0.014	0.408	24.944
rs10132132	ebi-a-GCST90027161	14	69482847	T/C	0.763	0.237	-0.012	0.012	0.309	19.875
rs148740071	ebi-a-GCST90027161	1	59222028	A/G	0.985	0.015	-0.017	0.047	0.712	23.340
rs16873183	ebi-a-GCST90027161	7	22268562	A/G	0.068	0.068	-0.018	0.020	0.354	25.968
rs734559	ebi-a-GCST90027161	18	72179579	A/G	0.205	0.205	-0.018	0.013	0.161	21.424
rs174564	ebi-a-GCST90027161	11	61588305	A/G	0.628	0.372	-0.035	0.010	0.001	412.402
rs116480317	ebi-a-GCST90027161	1	118758425	A/C	0.970	0.030	-0.052	0.031	0.092	21.988
lysoPC a C28:0										
rs6788712	ebi-a-GCST90027161	3	118892533	T/C	0.973	0.027	0.100	0.044	0.024	20.250
rs7943728	ebi-a-GCST90027161	11	61547068	A/G	0.156	0.156	0.044	0.015	0.003	47.275

rs115245292	ebi-a-GCST90027161	4	139125528	T/C	0.968	0.032	0.043	0.032	0.183	21.274
rs576140355	ebi-a-GCST90027161	14	33212174	A/G	0.024	0.024	0.040	0.036	0.268	20.704
rs117592477	ebi-a-GCST90027161	10	21036306	T/C	0.988	0.012	0.031	0.047	0.508	19.782
rs11209851	ebi-a-GCST90027161	1	72287703	T/G	0.256	0.256	0.011	0.015	0.470	27.483
rs847580	ebi-a-GCST90027161	7	97670154	A/G	0.470	0.470	0.007	0.010	0.499	25.540
rs10077631	ebi-a-GCST90027161	5	167842039	T/C	0.550	0.450	0.004	0.010	0.698	20.129
rs338245	ebi-a-GCST90027161	1	58933675	A/C	0.798	0.202	0.004	0.013	0.765	21.035
rs3011503	ebi-a-GCST90027161	13	113572843	T/C	0.630	0.370	0.003	0.011	0.790	20.802
rs74715509	ebi-a-GCST90027161	11	124449116	A/G	0.965	0.035	-0.003	0.028	0.923	22.085
rs72879379	ebi-a-GCST90027161	18	12618076	T/G	0.107	0.107	-0.005	0.017	0.768	22.008
rs4122352	ebi-a-GCST90027161	16	15174571	A/G	0.243	0.243	-0.007	0.016	0.674	27.180
rs17037834	ebi-a-GCST90027161	3	13227041	T/C	0.027	0.027	-0.012	0.031	0.693	19.651
rs9583911	ebi-a-GCST90027161	13	91967960	A/G	0.183	0.183	-0.026	0.014	0.061	19.774
rs114481978	ebi-a-GCST90027161	3	100235696	A/G	0.012	0.012	-0.030	0.049	0.538	19.829
lysoPC a C28:1										
rs6788712	ebi-a-GCST90027161	3	118892533	T/C	0.973	0.027	0.100	0.044	0.024	21.821
rs12415912	ebi-a-GCST90027161	10	115942060	T/C	0.988	0.013	0.083	0.046	0.071	20.496
rs77981839	ebi-a-GCST90027161	5	142985991	A/C	0.019	0.019	0.037	0.042	0.382	20.149
rs116936007	ebi-a-GCST90027161	13	85798622	A/G	0.022	0.022	0.034	0.030	0.254	20.184
rs75483870	ebi-a-GCST90027161	19	31469824	A/C	0.017	0.017	0.015	0.046	0.741	20.344
rs4257246	ebi-a-GCST90027161	17	48990275	A/G	0.031	0.031	0.014	0.032	0.659	21.648
rs9825900	ebi-a-GCST90027161	3	72585498	T/C	0.128	0.128	0.009	0.015	0.542	19.548
rs17074203	ebi-a-GCST90027161	6	112961379	T/C	0.817	0.183	0.007	0.013	0.600	24.526
rs114875674	ebi-a-GCST90027161	1	246774761	A/G	0.009	0.009	0.006	0.061	0.924	20.427
rs616355	ebi-a-GCST90027161	2	221773548	A/G	0.574	0.427	-0.004	0.011	0.704	20.976
rs179673	ebi-a-GCST90027161	14	31324562	A/G	0.705	0.295	-0.005	0.012	0.662	20.872
rs117833137	ebi-a-GCST90027161	6	135810244	T/C	0.959	0.041	-0.008	0.026	0.764	20.098
rs151125173	ebi-a-GCST90027161	22	44688211	A/G	0.980	0.020	-0.009	0.037	0.807	20.250
rs113722368	ebi-a-GCST90027161	22	49046720	T/C	0.028	0.028	-0.011	0.028	0.699	19.665
rs60501704	ebi-a-GCST90027161	2	100888697	T/C	0.821	0.179	-0.012	0.014	0.408	20.730
rs76195870	ebi-a-GCST90027161	10	34187483	T/C	0.018	0.018	-0.012	0.051	0.819	19.588
rs78115354	ebi-a-GCST90027161	4	171226332	T/C	0.038	0.038	-0.024	0.032	0.460	20.485
rs10149703	ebi-a-GCST90027161	14	77469643	T/C	0.020	0.020	-0.030	0.034	0.383	19.907

rs174564	ebi-a-GCST90027161	11	61588305	A/G	0.628	0.372	-0.035	0.010	0.001	105.625
rs114665818	ebi-a-GCST90027161	1	112340780	T/C	0.037	0.037	-0.039	0.028	0.167	23.518
rs961243	ebi-a-GCST90027161	6	77419099	T/C	0.983	0.017	-0.053	0.034	0.118	19.903
rs6716262	ebi-a-GCST90027161	2	39968210	T/G	0.031	0.031	-0.058	0.030	0.052	21.283
mean diameter for HDL particles id:met-c-80										
rs284032	ebi-a-GCST90027161	5	55770154	A/G	0.526	0.474	0.028	0.010	0.007	21.311
rs1689791	ebi-a-GCST90027161	1	182151909	G/A	0.318	0.318	0.018	0.011	0.093	20.200
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	213.230
rs632557	ebi-a-GCST90027161	1	230398102	G/A	0.937	0.063	0.017	0.020	0.411	23.387
rs111629662	ebi-a-GCST90027161	17	32355057	A/G	0.012	0.012	0.014	0.036	0.700	20.857
rs2070895	ebi-a-GCST90027161	15	58723939	A/G	0.236	0.236	0.013	0.012	0.259	415.735
rs2044333	ebi-a-GCST90027161	15	58646656	A/G	0.493	0.493	0.010	0.010	0.305	29.464
rs4149303	ebi-a-GCST90027161	9	107594515	G/A	0.110	0.110	0.010	0.017	0.560	19.904
rs3741521	ebi-a-GCST90027161	12	125264293	A/G	0.638	0.362	0.005	0.011	0.670	33.949
rs11633043	ebi-a-GCST90027161	15	58837722	A/G	0.151	0.151	0.004	0.014	0.754	68.448
rs73302914	ebi-a-GCST90027161	20	56227673	A/G	0.025	0.025	0.001	0.036	0.990	21.984
rs1883025	ebi-a-GCST90027161	9	107664301	T/C	0.226	0.226	-0.002	0.013	0.862	31.412
rs8102200	ebi-a-GCST90027161	19	8809890	C/T	0.665	0.336	-0.002	0.028	0.935	23.119
rs7588023	ebi-a-GCST90027161	2	43150923	C/T	0.213	0.213	-0.002	0.016	0.884	21.895
rs6957745	ebi-a-GCST90027161	7	73056750	C/T	0.192	0.192	-0.003	0.013	0.796	29.643
rs56048221	ebi-a-GCST90027161	7	1092533	G/A	0.172	0.172	-0.006	0.013	0.665	21.776
rs11615241	ebi-a-GCST90027161	12	106005850	A/G	0.213	0.213	-0.007	0.013	0.577	26.650
rs187505938	ebi-a-GCST90027161	7	44877646	G/T	0.048	0.048	-0.007	0.024	0.771	20.271
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	487.353
rs114264597	ebi-a-GCST90027161	3	9635933	T/C	0.030	0.030	-0.008	0.030	0.785	20.767
rs3133431	ebi-a-GCST90027161	8	104058195	A/G	0.467	0.467	-0.015	0.014	0.307	20.128
rs4503368	ebi-a-GCST90027161	1	161190250	C/T	0.542	0.458	-0.015	0.010	0.135	27.660
rs9809818	ebi-a-GCST90027161	3	71480566	A/C	0.905	0.095	-0.019	0.017	0.251	21.311
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	241.073
rs2700831	ebi-a-GCST90027161	17	42041611	G/T	0.684	0.316	-0.025	0.011	0.024	23.074
rs11171824	ebi-a-GCST90027161	12	56785655	A/G	0.151	0.151	-0.027	0.015	0.068	20.289
rs6032347	ebi-a-GCST90027161	20	44211523	C/T	0.117	0.117	-0.030	0.016	0.059	22.160
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	32.987

rs141948190	ebi-a-GCST90027161	2	242672647	A/G	0.016	0.016	-0.076	0.033	0.022	20.318
mean diameter for LDL particles id:met-c-8										
rs139679582	ebi-a-GCST90027161	17	40501009	A/G	0.018	0.018	0.099	0.038	0.010	23.808
rs114504511	ebi-a-GCST90027161	3	180630661	G/T	0.018	0.018	0.065	0.039	0.094	19.843
rs117377127	ebi-a-GCST90027161	7	104297829	G/A	0.020	0.020	0.044	0.038	0.250	19.908
rs10824226	ebi-a-GCST90027161	10	76481311	G/A	0.035	0.035	0.029	0.027	0.271	20.292
rs633695	ebi-a-GCST90027161	15	58725839	G/A	0.294	0.294	0.023	0.011	0.040	130.374
rs10468017	ebi-a-GCST90027161	15	58678512	T/C	0.305	0.305	0.009	0.011	0.414	261.219
rs112982532	ebi-a-GCST90027161	15	59336575	G/A	0.065	0.065	0.009	0.020	0.660	28.311
rs77341435	ebi-a-GCST90027161	3	63187273	G/A	0.034	0.034	0.006	0.034	0.859	20.611
rs10274367	ebi-a-GCST90027161	7	1117436	C/T	0.351	0.351	0.006	0.011	0.604	23.538
rs112486332	ebi-a-GCST90027161	2	174118133	G/A	0.022	0.022	0.003	0.034	0.943	24.198
rs2575876	ebi-a-GCST90027161	9	107665739	A/G	0.221	0.221	0.003	0.013	0.844	27.569
rs146250480	ebi-a-GCST90027161	16	68272410	T/C	0.122	0.122	-0.001	0.015	0.967	26.941
rs17145750	ebi-a-GCST90027161	7	73026378	T/C	0.155	0.155	-0.007	0.014	0.625	21.779
rs118031121	ebi-a-GCST90027161	16	20780358	A/G	0.101	0.101	-0.008	0.017	0.640	30.101
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	37.259
rs140386144	ebi-a-GCST90027161	5	112519266	C/T	0.017	0.017	-0.008	0.042	0.843	20.304
rs55730499	ebi-a-GCST90027161	6	161005610	T/C	0.065	0.065	-0.009	0.023	0.704	28.140
rs7277504	ebi-a-GCST90027161	21	42751583	G/A	0.117	0.117	-0.009	0.016	0.587	20.735
rs28395406	ebi-a-GCST90027161	15	58629349	G/A	0.108	0.108	-0.012	0.016	0.437	35.418
rs75594500	ebi-a-GCST90027161	11	21908660	A/G	0.158	0.158	-0.014	0.015	0.344	29.562
rs686030	ebi-a-GCST90027161	9	15304782	A/C	0.864	0.136	-0.014	0.015	0.339	28.361
rs1889561	ebi-a-GCST90027161	6	119335865	G/A	0.515	0.485	-0.014	0.010	0.160	22.747
rs6472631	ebi-a-GCST90027161	8	72736337	A/G	0.699	0.301	-0.016	0.011	0.144	21.185
rs75161726	ebi-a-GCST90027161	18	20025469	G/T	0.094	0.094	-0.018	0.019	0.340	20.317
rs12149545	ebi-a-GCST90027161	16	56993161	A/G	0.301	0.301	-0.020	0.011	0.074	80.602
rs74433766	ebi-a-GCST90027161	3	24889399	A/G	0.021	0.021	-0.022	0.034	0.520	20.184
rs2213281	ebi-a-GCST90027161	16	19361972	T/C	0.039	0.039	-0.025	0.027	0.352	19.897
rs75627662	ebi-a-GCST90027161	19	45413576	T/C	0.207	0.207	-0.025	0.013	0.044	43.354
rs17269425	ebi-a-GCST90027161	15	58931340	G/A	0.031	0.031	-0.036	0.028	0.198	35.285
rs183657567	ebi-a-GCST90027161	7	65594154	C/A	0.024	0.024	-0.040	0.034	0.251	27.252
rs111543310	ebi-a-GCST90027161	15	59531818	C/T	0.025	0.025	-0.048	0.034	0.157	35.601

mean diameter for VLDL particles || id:met-c-9

rs4632702	ebi-a-GCST90027161	4	185242240	T/C	0.022	0.022	0.043	0.032	0.186	23.741
rs74425442	ebi-a-GCST90027161	8	103724398	G/A	0.007	0.007	0.039	0.060	0.517	20.389
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	40.622
rs74498950	ebi-a-GCST90027161	4	16642700	G/A	0.019	0.019	0.022	0.043	0.618	20.968
rs55660224	ebi-a-GCST90027161	1	109839400	T/C	0.090	0.090	0.021	0.017	0.220	32.155
rs12679834	ebi-a-GCST90027161	8	19820433	C/T	0.091	0.091	0.020	0.019	0.290	67.090
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	21.920
rs56255430	ebi-a-GCST90027161	19	19477877	C/A	0.077	0.077	0.019	0.020	0.346	22.448
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	30.922
rs11207978	ebi-a-GCST90027161	1	62980512	C/T	0.207	0.207	0.018	0.013	0.147	29.395
rs6569041	ebi-a-GCST90027161	6	119427438	T/C	0.600	0.400	0.010	0.010	0.327	24.391
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	21.692
rs1629874	ebi-a-GCST90027161	18	57398775	T/C	0.337	0.337	0.009	0.011	0.421	22.112
rs7811833	ebi-a-GCST90027161	7	78963773	C/A	0.869	0.131	0.004	0.016	0.802	31.513
rs141947880	ebi-a-GCST90027161	11	47385350	T/C	0.042	0.042	0.003	0.029	0.905	32.608
rs117470472	ebi-a-GCST90027161	8	25875387	G/A	0.034	0.034	-0.002	0.025	0.927	23.280
rs10455872	ebi-a-GCST90027161	6	161010118	G/A	0.065	0.065	-0.003	0.022	0.898	51.299
rs62202612	ebi-a-GCST90027161	20	23082929	T/C	0.228	0.228	-0.005	0.012	0.692	29.276
rs33191	ebi-a-GCST90027161	5	158103815	G/A	0.742	0.259	-0.006	0.012	0.635	21.945
rs17145750	ebi-a-GCST90027161	7	73026378	T/C	0.155	0.155	-0.007	0.014	0.625	86.002
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	125.103
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	84.768
rs7752733	ebi-a-GCST90027161	6	81207569	G/A	0.073	0.073	-0.019	0.020	0.337	22.129
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	30.132
rs78016211	ebi-a-GCST90027161	2	169386575	T/C	0.089	0.089	-0.027	0.018	0.148	23.457
rs10080815	ebi-a-GCST90027161	6	160687412	G/T	0.018	0.018	-0.035	0.038	0.351	23.228
rs75331186	ebi-a-GCST90027161	13	55100237	T/C	0.008	0.008	-0.036	0.056	0.521	21.146
rs61852560	ebi-a-GCST90027161	1	247110315	A/G	0.107	0.107	-0.038	0.017	0.024	25.057
rs117130611	ebi-a-GCST90027161	8	19713718	A/G	0.027	0.027	-0.097	0.033	0.003	23.452
Methylglutaryl carnitine										
rs116262523	ebi-a-GCST90027161	2	74078508	T/G	0.015	0.015	0.026	0.047	0.581	20.834
rs76497213	ebi-a-GCST90027161	8	60485013	A/C	0.010	0.010	0.020	0.057	0.728	21.103

rs111793492	ebi-a-GCST90027161	10	131510189	T/C	0.028	0.028	0.013	0.030	0.677	23.973
rs6436960	ebi-a-GCST90027161	2	231485722	T/C	0.906	0.094	0.013	0.018	0.485	21.422
rs6831462	ebi-a-GCST90027161	4	101511084	A/G	0.267	0.267	0.010	0.011	0.399	19.672
rs183455471	ebi-a-GCST90027161	3	89085878	A/G	0.024	0.024	0.008	0.030	0.784	20.371
rs76905484	ebi-a-GCST90027161	7	157284222	T/C	0.068	0.068	0.006	0.019	0.754	20.286
rs4604209	ebi-a-GCST90027161	5	177419356	T/C	0.290	0.290	0.003	0.011	0.794	20.920
rs6558966	ebi-a-GCST90027161	8	4970891	T/C	0.582	0.418	0.003	0.011	0.809	23.894
rs117245632	ebi-a-GCST90027161	15	99967424	A/C	0.969	0.031	0.002	0.035	0.962	19.564
rs13230107	ebi-a-GCST90027161	7	73808231	A/C	0.503	0.497	-0.001	0.010	0.924	22.593
rs62269066	ebi-a-GCST90027161	3	121932422	T/C	0.380	0.380	-0.003	0.010	0.770	19.822
rs949222	ebi-a-GCST90027161	11	78395278	A/G	0.309	0.309	-0.007	0.011	0.502	20.276
rs115047175	ebi-a-GCST90027161	3	84510346	T/G	0.036	0.036	-0.019	0.029	0.513	19.618
rs6954042	ebi-a-GCST90027161	7	110164447	A/G	0.916	0.084	-0.027	0.019	0.149	21.093
rs112891604	ebi-a-GCST90027161	3	18815825	A/G	0.992	0.008	-0.062	0.079	0.428	20.066
rs116386784	ebi-a-GCST90027161	4	188005007	A/C	0.993	0.007	-0.084	0.068	0.211	22.068
rs143845671	ebi-a-GCST90027161	2	27173139	A/G	0.009	0.009	-0.093	0.067	0.165	19.560

Mono-unsaturated fatty acids || id:met-c-916

rs113026608	ebi-a-GCST90027161	18	10816055	A/G	0.010	0.010	0.033	0.056	0.562	20.933
rs75117471	ebi-a-GCST90027161	6	160226229	A/G	0.042	0.042	0.024	0.026	0.374	21.705
rs140508738	ebi-a-GCST90027161	1	96611835	C/T	0.031	0.031	0.021	0.027	0.445	20.736
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	36.902
rs1973649	ebi-a-GCST90027161	2	102104171	C/T	0.074	0.074	0.016	0.019	0.424	19.982
rs1800588	ebi-a-GCST90027161	15	58723675	T/C	0.230	0.230	0.015	0.012	0.193	81.065
rs1809700	ebi-a-GCST90027161	9	87705476	T/C	0.192	0.192	0.011	0.012	0.398	22.686
rs11820792	ebi-a-GCST90027161	11	67405967	T/G	0.204	0.204	0.008	0.013	0.522	20.945
rs17162923	ebi-a-GCST90027161	7	10361433	G/A	0.458	0.458	0.008	0.010	0.445	21.029
rs41272659	ebi-a-GCST90027161	2	207634958	A/G	0.029	0.029	0.008	0.030	0.803	33.364
rs1042034	ebi-a-GCST90027161	2	21225281	T/C	0.770	0.230	0.007	0.012	0.556	26.952
rs3020043	ebi-a-GCST90027161	11	70985372	C/T	0.159	0.159	0.007	0.014	0.627	20.437
rs900441	ebi-a-GCST90027161	18	37139806	T/C	0.500	0.500	0.005	0.010	0.609	20.106
rs9358816	ebi-a-GCST90027161	6	24988520	C/T	0.586	0.414	-0.003	0.010	0.781	26.864
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	21.565
rs28483956	ebi-a-GCST90027161	8	59405459	A/G	0.064	0.064	-0.007	0.020	0.741	20.283

rs175775	ebi-a-GCST90027161	2	114774116	T/C	0.672	0.328	-0.008	0.011	0.470	20.492
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	86.307
rs77548999	ebi-a-GCST90027161	17	72131978	T/G	0.074	0.074	-0.014	0.021	0.511	24.748
rs174418	ebi-a-GCST90027161	15	58687603	C/T	0.589	0.412	-0.015	0.010	0.162	40.145
rs56289821	ebi-a-GCST90027161	19	11188247	A/G	0.107	0.107	-0.016	0.017	0.366	21.378
rs77697917	ebi-a-GCST90027161	17	41840849	T/C	0.029	0.029	-0.018	0.030	0.547	21.286
rs59014134	ebi-a-GCST90027161	5	74589385	T/C	0.237	0.237	-0.019	0.012	0.107	21.343
rs200001	ebi-a-GCST90027161	5	8699765	A/G	0.191	0.191	-0.022	0.014	0.102	21.680
rs1860356	ebi-a-GCST90027161	12	4042558	A/C	0.072	0.072	-0.022	0.020	0.271	25.269
rs17414716	ebi-a-GCST90027161	1	55759138	G/A	0.015	0.015	-0.034	0.038	0.364	23.351
Nonaylcarnitine										
rs139274943	ebi-a-GCST90027161	1	3384313	T/C	0.983	0.017	0.058	0.034	0.086	24.238
rs140754847	ebi-a-GCST90027161	11	76460567	A/G	0.013	0.013	0.038	0.060	0.525	20.500
rs12202247	ebi-a-GCST90027161	6	37019611	A/G	0.126	0.126	0.034	0.016	0.031	19.914
rs2350814	ebi-a-GCST90027161	6	116045008	A/G	0.038	0.038	0.031	0.026	0.235	24.687
rs12216324	ebi-a-GCST90027161	6	148997939	A/G	0.082	0.082	0.029	0.019	0.130	20.426
rs7165814	ebi-a-GCST90027161	15	52985144	T/G	0.170	0.170	0.026	0.014	0.073	21.217
rs147418917	ebi-a-GCST90027161	8	72698530	A/G	0.013	0.013	0.020	0.049	0.692	21.205
rs55752439	ebi-a-GCST90027161	5	149775434	T/C	0.037	0.037	0.013	0.024	0.593	19.583
rs4807867	ebi-a-GCST90027161	19	1335871	T/C	0.120	0.120	0.006	0.015	0.678	19.843
rs117447718	ebi-a-GCST90027161	6	164784924	A/G	0.972	0.028	0.005	0.029	0.857	20.048
rs114090227	ebi-a-GCST90027161	2	229814450	T/G	0.977	0.023	0.001	0.033	0.968	20.015
rs79524961	ebi-a-GCST90027161	11	101398736	A/G	0.934	0.066	-0.001	0.020	0.976	19.750
rs28415528	ebi-a-GCST90027161	1	151879761	A/G	0.295	0.295	-0.003	0.011	0.772	48.118
rs72712641	ebi-a-GCST90027161	1	171052218	A/G	0.922	0.078	-0.004	0.020	0.838	22.347
rs2286963	ebi-a-GCST90027161	2	211060050	T/G	0.638	0.362	-0.010	0.011	0.340	275.346
rs2807568	ebi-a-GCST90027161	1	15192740	A/G	0.717	0.284	-0.010	0.012	0.378	20.307
rs75121822	ebi-a-GCST90027161	10	72629683	A/G	0.033	0.033	-0.024	0.033	0.479	22.263
rs77279279	ebi-a-GCST90027161	2	189725296	T/C	0.015	0.015	-0.028	0.049	0.572	20.242
rs17352975	ebi-a-GCST90027161	5	61105357	T/C	0.860	0.140	-0.031	0.015	0.041	20.409
rs139700361	ebi-a-GCST90027161	13	105619043	T/C	0.016	0.016	-0.031	0.046	0.495	21.814
rs59618069	ebi-a-GCST90027161	4	115665875	T/C	0.021	0.021	-0.036	0.037	0.335	20.993
rs116234335	ebi-a-GCST90027161	3	54081140	A/G	0.016	0.016	-0.082	0.045	0.068	23.120

Octadecandienylcarnitine

rs117954671	ebi-a-GCST90027161	16	86391510	A/C	0.018	0.018	0.056	0.033	0.093	20.978
rs80349285	ebi-a-GCST90027161	11	33887633	A/G	0.046	0.046	0.024	0.024	0.306	22.808
rs143378625	ebi-a-GCST90027161	13	54728143	A/G	0.981	0.019	0.019	0.042	0.653	19.839
rs146351557	ebi-a-GCST90027161	3	176875453	A/G	0.012	0.012	0.018	0.057	0.755	19.752
rs35962414	ebi-a-GCST90027161	2	161880800	T/C	0.666	0.334	0.011	0.011	0.310	21.501
rs12210538	ebi-a-GCST90027161	6	110760008	A/G	0.796	0.204	0.007	0.013	0.613	88.071
rs140921844	ebi-a-GCST90027161	22	23455063	T/G	0.026	0.026	0.005	0.034	0.879	19.983
rs1462529	ebi-a-GCST90027161	2	184141848	A/G	0.625	0.376	0.000	0.011	0.977	23.929
rs28542390	ebi-a-GCST90027161	19	5815254	T/C	0.208	0.208	-0.001	0.012	0.956	21.794
rs2989987	ebi-a-GCST90027161	1	195781102	T/C	0.608	0.392	-0.005	0.010	0.606	21.651
rs10831839	ebi-a-GCST90027161	11	12529455	T/C	0.701	0.299	-0.009	0.011	0.431	20.753
rs72774304	ebi-a-GCST90027161	16	23144022	T/C	0.981	0.019	-0.012	0.036	0.728	24.877
rs6767398	ebi-a-GCST90027161	3	150614723	A/G	0.060	0.060	-0.023	0.022	0.293	21.938
rs116330861	ebi-a-GCST90027161	9	119910634	A/G	0.981	0.019	-0.052	0.040	0.195	21.175
rs115791653	ebi-a-GCST90027161	4	131159899	T/C	0.021	0.021	-0.054	0.031	0.085	23.484
rs141351490	ebi-a-GCST90027161	17	17373060	A/C	0.030	0.030	-0.071	0.034	0.038	20.366
rs138294333	ebi-a-GCST90027161	9	6809866	A/G	0.985	0.015	-0.100	0.051	0.048	22.903
rs191961233	ebi-a-GCST90027161	4	163631112	T/C	0.010	0.010	-0.100	0.061	0.100	20.470

Octadecanoylcarnitine

rs143058698	ebi-a-GCST90027161	1	227017755	A/C	0.015	0.015	0.080	0.044	0.070	20.198
rs72675948	ebi-a-GCST90027161	8	116048007	T/C	0.050	0.050	0.040	0.024	0.094	21.822
rs11128233	ebi-a-GCST90027161	3	72017385	A/G	0.168	0.168	0.032	0.014	0.026	21.007
rs138835388	ebi-a-GCST90027161	16	88737829	T/C	0.992	0.008	0.010	0.063	0.879	20.222
rs149828205	ebi-a-GCST90027161	4	112708199	A/C	0.978	0.022	0.007	0.030	0.814	21.826
rs12210538	ebi-a-GCST90027161	6	110760008	A/G	0.796	0.204	0.007	0.013	0.613	46.832
rs713970	ebi-a-GCST90027161	22	48654950	T/C	0.213	0.213	0.004	0.013	0.737	20.567
rs116945141	ebi-a-GCST90027161	9	96078660	T/G	0.984	0.016	0.004	0.046	0.928	21.196
rs74327441	ebi-a-GCST90027161	2	28007072	A/G	0.237	0.237	0.001	0.012	0.948	24.599
rs2917557	ebi-a-GCST90027161	8	87314071	T/C	0.229	0.229	-0.017	0.012	0.155	28.552
rs13233487	ebi-a-GCST90027161	7	123570134	T/C	0.920	0.081	-0.019	0.018	0.290	19.621
rs79796387	ebi-a-GCST90027161	18	11811256	A/G	0.028	0.028	-0.021	0.036	0.558	22.298

Octadecenoylcarnitine

rs138075193	ebi-a-GCST90027161	13	71805409	A/G	0.016	0.016	0.091	0.046	0.048	20.588
rs6601299	ebi-a-GCST90027161	8	9184691	T/C	0.118	0.118	0.031	0.016	0.049	23.048
rs112447307	ebi-a-GCST90027161	2	175436576	A/C	0.959	0.041	0.019	0.027	0.483	23.040
rs272786	ebi-a-GCST90027161	15	53652965	A/G	0.451	0.451	0.007	0.010	0.507	19.882
rs12210538	ebi-a-GCST90027161	6	110760008	A/G	0.796	0.204	0.007	0.013	0.613	118.938
rs1171615	ebi-a-GCST90027161	10	61469090	T/C	0.801	0.199	0.001	0.013	0.915	26.466
rs10936713	ebi-a-GCST90027161	3	171876079	T/C	0.329	0.329	0.000	0.011	0.978	19.620
rs17784968	ebi-a-GCST90027161	5	11039177	A/G	0.942	0.058	-0.010	0.023	0.660	26.154
rs10169986	ebi-a-GCST90027161	2	142841643	A/G	0.018	0.018	-0.037	0.043	0.384	20.357
rs74823953	ebi-a-GCST90027161	5	150679610	T/C	0.010	0.010	-0.043	0.057	0.445	25.058
rs62286712	ebi-a-GCST90027161	3	194247181	A/G	0.029	0.029	-0.045	0.032	0.156	19.797
rs115611384	ebi-a-GCST90027161	3	24017821	T/G	0.011	0.011	-0.049	0.044	0.263	21.267
rs147231269	ebi-a-GCST90027161	1	199625173	A/G	0.016	0.016	-0.053	0.041	0.194	19.948

Octanoylcarnitine

rs115457785	ebi-a-GCST90027161	1	26146348	A/C	0.018	0.018	0.044	0.040	0.276	20.702
rs73317224	ebi-a-GCST90027161	5	172065549	A/C	0.977	0.023	0.043	0.034	0.202	23.502
rs117334161	ebi-a-GCST90027161	10	113939693	T/C	0.966	0.034	0.027	0.031	0.391	23.388
rs2037240	ebi-a-GCST90027161	19	56114611	T/C	0.837	0.163	0.018	0.015	0.232	19.586
rs28016	ebi-a-GCST90027161	5	11522397	A/G	0.419	0.419	0.017	0.010	0.109	19.578
rs73160267	ebi-a-GCST90027161	7	132432708	A/G	0.167	0.167	0.011	0.014	0.454	20.318
rs76009627	ebi-a-GCST90027161	4	25466327	A/G	0.113	0.113	0.011	0.015	0.493	24.055
rs17662793	ebi-a-GCST90027161	10	18465479	A/G	0.707	0.294	0.010	0.011	0.371	20.278
rs12123977	ebi-a-GCST90027161	1	76209754	A/G	0.286	0.286	0.004	0.011	0.717	271.220
rs11691111	ebi-a-GCST90027161	2	61183657	A/G	0.783	0.217	0.003	0.013	0.844	21.667
rs650932	ebi-a-GCST90027161	1	226740876	A/C	0.889	0.112	0.002	0.017	0.900	19.568
rs74696650	ebi-a-GCST90027161	14	94941324	T/G	0.099	0.099	0.000	0.019	0.985	22.885
rs62029839	ebi-a-GCST90027161	16	16099558	A/C	0.571	0.429	0.000	0.010	0.977	35.840
rs1721338	ebi-a-GCST90027161	2	228770539	T/C	0.423	0.423	-0.001	0.010	0.943	21.048
rs56977452	ebi-a-GCST90027161	19	55393117	A/G	0.098	0.098	-0.003	0.016	0.850	19.886
rs13327282	ebi-a-GCST90027161	3	27412004	A/G	0.047	0.047	-0.007	0.023	0.762	21.846
rs56340050	ebi-a-GCST90027161	15	89090715	A/G	0.074	0.074	-0.010	0.018	0.598	20.132
rs62018872	ebi-a-GCST90027161	16	8635093	A/G	0.101	0.101	-0.013	0.018	0.468	21.038
rs77672856	ebi-a-GCST90027161	3	64189888	T/C	0.957	0.043	-0.013	0.023	0.571	19.618

rs11704858	ebi-a-GCST90027161	22	45264528	A/G	0.185	0.185	-0.013	0.013	0.325	21.449
rs534113598	ebi-a-GCST90027161	7	104032873	T/C	0.080	0.080	-0.022	0.025	0.370	19.982
rs2073396	ebi-a-GCST90027161	22	24451035	A/G	0.356	0.356	-0.023	0.015	0.128	20.488
rs375916	ebi-a-GCST90027161	1	178461656	A/G	0.799	0.201	-0.028	0.012	0.024	19.997
rs149556176	ebi-a-GCST90027161	1	75436832	T/C	0.990	0.010	-0.050	0.065	0.440	129.253
rs73157693	ebi-a-GCST90027161	21	47368316	T/C	0.008	0.008	-0.063	0.075	0.403	22.179

Omega-3 fatty acids || id:met-c-855

rs34620647	ebi-a-GCST90027161	21	34752334	C/A	0.146	0.146	0.017	0.014	0.243	25.490
rs11604424	ebi-a-GCST90027161	11	116651115	T/C	0.780	0.220	0.014	0.012	0.232	40.032
rs1077835	ebi-a-GCST90027161	15	58723426	G/A	0.236	0.236	0.013	0.012	0.278	37.699
rs6679559	ebi-a-GCST90027161	1	63541253	T/C	0.366	0.366	0.010	0.011	0.357	21.185
rs4863658	ebi-a-GCST90027161	4	140449824	C/T	0.261	0.261	0.006	0.012	0.641	27.093
rs145717049	ebi-a-GCST90027161	19	19130096	T/C	0.025	0.025	0.005	0.030	0.858	34.100
rs10051260	ebi-a-GCST90027161	5	74567359	A/G	0.169	0.169	0.005	0.017	0.767	23.351
rs9456282	ebi-a-GCST90027161	6	158724743	G/A	0.246	0.246	0.003	0.012	0.831	24.713
rs9358816	ebi-a-GCST90027161	6	24988520	C/T	0.586	0.414	-0.003	0.010	0.781	20.136
rs78654303	ebi-a-GCST90027161	17	14642894	A/C	0.039	0.039	-0.004	0.031	0.894	23.355
rs112875651	ebi-a-GCST90027161	8	126506694	A/G	0.397	0.397	-0.004	0.010	0.670	25.553
rs200862	ebi-a-GCST90027161	6	5142687	T/C	0.813	0.187	-0.007	0.013	0.612	20.753
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	58.311
rs174418	ebi-a-GCST90027161	15	58687603	C/T	0.589	0.412	-0.015	0.010	0.162	20.738
rs12886210	ebi-a-GCST90027161	14	26116717	C/T	0.498	0.498	-0.018	0.010	0.077	22.981
rs12421620	ebi-a-GCST90027161	11	66276576	A/G	0.031	0.031	-0.037	0.026	0.163	27.501
rs10955270	ebi-a-GCST90027161	8	102697242	A/G	0.306	0.306	-0.039	0.015	0.010	21.103

Omega-6 fatty acids || id:met-c-856

rs142980344	ebi-a-GCST90027161	2	241625145	G/A	0.042	0.042	0.048	0.027	0.077	19.864
rs115147782	ebi-a-GCST90027161	1	26148821	T/C	0.011	0.011	0.036	0.053	0.496	22.554
rs73004967	ebi-a-GCST90027161	19	19717056	G/A	0.067	0.067	0.025	0.021	0.220	25.700
rs1800588	ebi-a-GCST90027161	15	58723675	T/C	0.230	0.230	0.015	0.012	0.193	96.865
rs10502724	ebi-a-GCST90027161	18	37012708	T/C	0.244	0.244	0.014	0.012	0.217	21.078
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	97.385
rs76246956	ebi-a-GCST90027161	4	74783906	A/G	0.028	0.028	0.012	0.030	0.695	31.341
rs12422055	ebi-a-GCST90027161	11	67404181	T/C	0.197	0.197	0.006	0.013	0.646	23.268

rs11832352	ebi-a-GCST90027161	12	20073537	A/G	0.496	0.496	0.004	0.010	0.705	24.149
rs61905084	ebi-a-GCST90027161	11	116610294	C/T	0.201	0.201	0.004	0.012	0.761	25.349
rs2270925	ebi-a-GCST90027161	5	156482099	C/T	0.644	0.356	-0.001	0.011	0.962	21.408
rs2663264	ebi-a-GCST90027161	4	126243466	G/T	0.370	0.370	-0.001	0.011	0.963	22.121
rs9306419	ebi-a-GCST90027161	22	26369358	T/C	0.145	0.145	-0.001	0.014	0.926	21.988
rs6543521	ebi-a-GCST90027161	2	240226642	G/T	0.812	0.188	-0.003	0.013	0.849	22.881
rs11732692	ebi-a-GCST90027161	4	25050901	C/T	0.212	0.212	-0.004	0.013	0.767	20.861
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	28.161
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	37.571
rs7845662	ebi-a-GCST90027161	8	144972454	C/T	0.555	0.445	-0.008	0.010	0.427	20.335
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	59.981
rs147249038	ebi-a-GCST90027161	1	5639002	A/G	0.130	0.130	-0.013	0.016	0.420	20.647
rs174418	ebi-a-GCST90027161	15	58687603	C/T	0.589	0.412	-0.015	0.010	0.162	61.218
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	42.598
rs17699030	ebi-a-GCST90027161	19	11330942	G/A	0.044	0.044	-0.019	0.022	0.394	27.578
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	27.843
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	35.900
rs117880793	ebi-a-GCST90027161	12	125020545	A/G	0.033	0.033	-0.034	0.027	0.213	21.562
rs76366838	ebi-a-GCST90027161	19	45399896	A/G	0.025	0.025	-0.044	0.032	0.171	26.021
rs141478766	ebi-a-GCST90027161	9	8008413	A/G	0.020	0.020	-0.048	0.035	0.172	21.152
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	92.609
rs144723570	ebi-a-GCST90027161	21	45244466	T/C	0.015	0.015	-0.068	0.045	0.131	21.817

-7, omega-9 and saturated fatty acids || id:me

rs113026608	ebi-a-GCST90027161	18	10816055	A/G	0.010	0.010	0.033	0.056	0.562	20.137
rs632271	ebi-a-GCST90027161	11	65042638	C/T	0.055	0.055	0.022	0.021	0.281	20.284
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	37.035
rs1973649	ebi-a-GCST90027161	2	102104171	C/T	0.074	0.074	0.016	0.019	0.424	21.128
rs1800588	ebi-a-GCST90027161	15	58723675	T/C	0.230	0.230	0.015	0.012	0.193	96.015
rs10502724	ebi-a-GCST90027161	18	37012708	T/C	0.244	0.244	0.014	0.012	0.217	21.266
rs2288184	ebi-a-GCST90027161	2	1688065	A/C	0.076	0.076	0.014	0.020	0.490	20.243
rs11820792	ebi-a-GCST90027161	11	67405967	T/G	0.204	0.204	0.008	0.013	0.522	27.650
rs41272659	ebi-a-GCST90027161	2	207634958	A/G	0.029	0.029	0.008	0.030	0.803	24.671
rs149079557	ebi-a-GCST90027161	1	96517522	T/C	0.027	0.027	0.005	0.035	0.882	21.454

rs10051260	ebi-a-GCST90027161	5	74567359	A/G	0.169	0.169	0.005	0.017	0.767	25.361
rs137897913	ebi-a-GCST90027161	15	73192606	A/G	0.025	0.025	0.003	0.037	0.939	20.357
rs144262265	ebi-a-GCST90027161	8	54998078	T/C	0.028	0.028	0.002	0.028	0.951	20.190
rs36091905	ebi-a-GCST90027161	22	39629373	A/G	0.014	0.014	0.001	0.052	0.988	20.168
rs35709627	ebi-a-GCST90027161	7	72999171	A/G	0.058	0.058	-0.003	0.022	0.892	20.576
rs9358816	ebi-a-GCST90027161	6	24988520	C/T	0.586	0.414	-0.003	0.010	0.781	31.932
rs7926134	ebi-a-GCST90027161	11	101400772	A/C	0.850	0.150	-0.004	0.014	0.773	19.793
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	25.952
rs57737883	ebi-a-GCST90027161	2	20808682	C/T	0.182	0.182	-0.005	0.013	0.735	21.735
rs71464431	ebi-a-GCST90027161	12	129623191	A/G	0.477	0.477	-0.007	0.010	0.527	19.823
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	82.336
rs77548999	ebi-a-GCST90027161	17	72131978	T/G	0.074	0.074	-0.014	0.021	0.511	25.012
rs174418	ebi-a-GCST90027161	15	58687603	C/T	0.589	0.412	-0.015	0.010	0.162	51.716
rs77697917	ebi-a-GCST90027161	17	41840849	T/C	0.029	0.029	-0.018	0.030	0.547	20.308
rs200001	ebi-a-GCST90027161	5	8699765	A/G	0.191	0.191	-0.022	0.014	0.102	23.289
rs1860357	ebi-a-GCST90027161	12	4042534	A/G	0.072	0.072	-0.023	0.020	0.262	22.670
rs56296027	ebi-a-GCST90027161	2	21134011	C/T	0.244	0.244	-0.023	0.012	0.047	22.902
rs17414716	ebi-a-GCST90027161	1	55759138	G/A	0.015	0.015	-0.034	0.038	0.364	24.883
polyunsaturated fatty acids than 18:2 id:me										
rs174528	ebi-a-GCST90027161	11	61543499	C/T	0.391	0.391	0.033	0.010	0.002	1030.149
rs4382917	ebi-a-GCST90027161	11	62221476	A/G	0.234	0.234	0.026	0.012	0.040	43.314
rs75303835	ebi-a-GCST90027161	10	60713295	C/T	0.069	0.069	0.022	0.022	0.319	22.011
rs36016715	ebi-a-GCST90027161	11	75449644	C/T	0.107	0.107	0.020	0.016	0.198	33.169
rs7309864	ebi-a-GCST90027161	12	129630751	G/A	0.458	0.458	0.013	0.010	0.198	21.362
rs1077835	ebi-a-GCST90027161	15	58723426	G/A	0.236	0.236	0.013	0.012	0.278	78.383
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	36.627
rs76246956	ebi-a-GCST90027161	4	74783906	A/G	0.028	0.028	0.012	0.030	0.695	22.734
rs12740374	ebi-a-GCST90027161	1	109817590	T/G	0.221	0.221	0.008	0.012	0.487	23.385
rs61826963	ebi-a-GCST90027161	1	229054584	T/C	0.071	0.071	0.006	0.019	0.768	20.162
rs145717049	ebi-a-GCST90027161	19	19130096	T/C	0.025	0.025	0.005	0.030	0.858	49.197
rs12626825	ebi-a-GCST90027161	21	19550024	C/A	0.011	0.011	0.004	0.069	0.951	21.375
rs79136768	ebi-a-GCST90027161	11	61362439	G/A	0.026	0.026	0.004	0.031	0.905	27.172
rs7958676	ebi-a-GCST90027161	12	20067587	A/G	0.419	0.419	0.004	0.010	0.715	21.163

rs10062458	ebi-a-GCST90027161	5	156367092	C/T	0.655	0.345	0.003	0.011	0.797	28.018
rs11644601	ebi-a-GCST90027161	16	15172118	C/T	0.282	0.282	0.002	0.012	0.854	29.225
rs11115951	ebi-a-GCST90027161	12	84060154	G/A	0.411	0.411	0.001	0.011	0.964	20.589
rs754382	ebi-a-GCST90027161	11	60899767	G/A	0.686	0.314	-0.001	0.012	0.965	35.837
rs2279028	ebi-a-GCST90027161	4	37903669	G/A	0.224	0.224	-0.002	0.012	0.848	20.529
rs4233889	ebi-a-GCST90027161	2	11016061	C/T	0.660	0.340	-0.003	0.011	0.798	23.730
rs9358816	ebi-a-GCST90027161	6	24988520	C/T	0.586	0.414	-0.003	0.010	0.781	27.457
rs3019558	ebi-a-GCST90027161	11	60784275	A/G	0.376	0.376	-0.003	0.010	0.768	35.169
rs11128212	ebi-a-GCST90027161	3	71383379	T/C	0.424	0.424	-0.004	0.010	0.685	22.101
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	24.244
rs4796406	ebi-a-GCST90027161	17	7243660	C/T	0.272	0.272	-0.005	0.012	0.659	21.395
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	37.662
rs6436304	ebi-a-GCST90027161	2	223108399	A/G	0.443	0.443	-0.010	0.010	0.343	21.324
rs174418	ebi-a-GCST90027161	15	58687603	C/T	0.589	0.412	-0.015	0.010	0.162	46.717
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	28.466
rs17414716	ebi-a-GCST90027161	1	55759138	G/A	0.015	0.015	-0.034	0.038	0.364	23.897
PC aa C24:0										
rs12359071	ebi-a-GCST90027161	10	9435756	T/C	0.974	0.026	0.095	0.032	0.003	20.970
rs72642138	ebi-a-GCST90027161	4	58968011	T/C	0.978	0.023	0.038	0.036	0.293	25.645
rs2281591	ebi-a-GCST90027161	6	10990493	A/G	0.808	0.192	0.036	0.013	0.008	24.145
rs116936007	ebi-a-GCST90027161	13	85798622	A/G	0.022	0.022	0.034	0.030	0.254	20.299
rs75483870	ebi-a-GCST90027161	19	31469824	A/C	0.017	0.017	0.015	0.046	0.741	27.047
rs7282151	ebi-a-GCST90027161	21	34526703	A/G	0.014	0.014	0.010	0.052	0.843	23.094
rs10897211	ebi-a-GCST90027161	11	61823576	A/G	0.363	0.363	0.007	0.011	0.491	19.963
rs11758908	ebi-a-GCST90027161	6	169272213	A/G	0.308	0.308	0.002	0.011	0.848	20.473
rs439032	ebi-a-GCST90027161	11	22639116	A/G	0.563	0.437	-0.002	0.010	0.833	19.502
rs74715509	ebi-a-GCST90027161	11	124449116	A/G	0.965	0.035	-0.003	0.028	0.923	20.489
rs1991515	ebi-a-GCST90027161	16	57034645	T/C	0.477	0.477	-0.006	0.010	0.586	20.602
rs9606708	ebi-a-GCST90027161	22	30646126	T/G	0.303	0.303	-0.012	0.011	0.270	20.525
rs117828862	ebi-a-GCST90027161	18	57938394	T/C	0.008	0.008	-0.016	0.054	0.764	20.116
rs8003523	ebi-a-GCST90027161	14	24167159	A/C	0.730	0.270	-0.016	0.011	0.157	19.765
rs143543362	ebi-a-GCST90027161	15	38034359	T/G	0.021	0.021	-0.019	0.039	0.637	19.918
rs147370106	ebi-a-GCST90027161	1	213098950	A/G	0.020	0.020	-0.029	0.041	0.485	20.842

rs62182368	ebi-a-GCST90027161	2	172672693	A/G	0.888	0.113	-0.029	0.018	0.107	19.758
rs113959803	ebi-a-GCST90027161	18	54659333	A/G	0.978	0.022	-0.029	0.035	0.409	19.598
rs174564	ebi-a-GCST90027161	11	61588305	A/G	0.628	0.372	-0.035	0.010	0.001	343.437
rs114665818	ebi-a-GCST90027161	1	112340780	T/C	0.037	0.037	-0.039	0.028	0.167	19.644
rs117434637	ebi-a-GCST90027161	8	119600622	A/C	0.021	0.021	-0.039	0.042	0.351	21.359
rs7179978	ebi-a-GCST90027161	15	74200358	A/G	0.018	0.018	-0.056	0.036	0.115	20.755
PC aa C26:0										
rs72642138	ebi-a-GCST90027161	4	58968011	T/C	0.978	0.023	0.038	0.036	0.293	21.239
rs2729612	ebi-a-GCST90027161	16	73757190	A/C	0.964	0.036	0.038	0.032	0.244	19.895
rs2062193	ebi-a-GCST90027161	4	65234116	T/C	0.963	0.038	0.030	0.030	0.313	21.617
rs6080751	ebi-a-GCST90027161	20	17604043	A/C	0.245	0.245	0.020	0.012	0.091	22.864
rs10056849	ebi-a-GCST90027161	5	20265645	A/C	0.054	0.054	0.018	0.022	0.418	24.062
rs1491664	ebi-a-GCST90027161	3	171173627	A/G	0.204	0.204	0.013	0.013	0.301	19.748
rs11584168	ebi-a-GCST90027161	1	18060436	T/C	0.195	0.195	0.013	0.013	0.321	19.769
rs7282151	ebi-a-GCST90027161	21	34526703	A/G	0.014	0.014	0.010	0.052	0.843	20.786
rs2691387	ebi-a-GCST90027161	4	58201557	A/G	0.724	0.276	0.003	0.011	0.763	20.722
rs400510	ebi-a-GCST90027161	15	93168089	T/C	0.144	0.144	0.003	0.015	0.828	21.908
rs77014513	ebi-a-GCST90027161	1	211381910	A/C	0.989	0.011	0.000	0.057	0.999	20.194
rs10456759	ebi-a-GCST90027161	6	14311488	A/C	0.926	0.075	-0.003	0.019	0.883	21.048
rs1972349	ebi-a-GCST90027161	9	126757862	T/C	0.303	0.303	-0.010	0.011	0.386	26.205
rs223000	ebi-a-GCST90027161	7	73584026	T/C	0.360	0.360	-0.010	0.011	0.363	19.484
rs116536732	ebi-a-GCST90027161	5	86824976	T/G	0.977	0.023	-0.013	0.031	0.675	20.342
rs7016048	ebi-a-GCST90027161	8	137850503	T/C	0.071	0.071	-0.017	0.022	0.456	25.902
rs62305090	ebi-a-GCST90027161	4	90432012	T/C	0.940	0.060	-0.021	0.020	0.283	20.214
rs66535806	ebi-a-GCST90027161	13	99429071	A/G	0.072	0.072	-0.027	0.020	0.185	19.931
PC aa C28:1										
rs4508831	ebi-a-GCST90027161	3	178657636	T/G	0.449	0.449	0.005	0.010	0.603	19.533
rs1552762	ebi-a-GCST90027161	10	11723123	A/G	0.154	0.154	0.001	0.014	0.931	25.000
rs12880341	ebi-a-GCST90027161	14	64236191	T/C	0.852	0.149	-0.002	0.015	0.873	336.174
rs72634133	ebi-a-GCST90027161	8	36727428	T/C	0.021	0.021	-0.004	0.034	0.901	23.812
rs12508981	ebi-a-GCST90027161	4	140806277	A/G	0.486	0.486	-0.005	0.010	0.605	20.312
rs35106244	ebi-a-GCST90027161	19	49203829	T/C	0.392	0.392	-0.009	0.011	0.440	25.271
rs10274136	ebi-a-GCST90027161	7	138432792	T/C	0.770	0.230	-0.009	0.012	0.450	21.902

rs680379	ebi-a-GCST90027161	20	12969400	A/G	0.369	0.369	-0.009	0.011	0.383	29.718
rs6025624	ebi-a-GCST90027161	20	56131731	T/C	0.105	0.105	-0.012	0.017	0.482	29.221
rs113844046	ebi-a-GCST90027161	18	10125558	A/G	0.982	0.018	-0.020	0.043	0.641	21.020
rs76470396	ebi-a-GCST90027161	21	45942155	T/C	0.012	0.012	-0.038	0.069	0.579	21.939
rs149725299	ebi-a-GCST90027161	13	56749135	T/C	0.988	0.012	-0.127	0.051	0.012	19.579
PC aa C30:0										
rs12568826	ebi-a-GCST90027161	1	53007002	A/G	0.011	0.011	0.077	0.049	0.119	21.211
rs174533	ebi-a-GCST90027161	11	61549025	A/G	0.371	0.371	0.035	0.010	0.001	27.752
rs145225820	ebi-a-GCST90027161	21	43613285	A/G	0.027	0.027	0.023	0.034	0.508	20.279
rs74347438	ebi-a-GCST90027161	18	59343129	A/G	0.154	0.154	0.019	0.014	0.181	20.407
rs10899133	ebi-a-GCST90027161	11	75531695	T/C	0.122	0.122	0.016	0.015	0.265	20.038
rs192239839	ebi-a-GCST90027161	2	155258226	A/G	0.982	0.018	0.008	0.040	0.837	22.833
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	28.863
rs9350402	ebi-a-GCST90027161	6	21946953	A/G	0.060	0.060	0.007	0.021	0.735	21.421
rs146357335	ebi-a-GCST90027161	15	89306288	T/G	0.016	0.016	0.007	0.044	0.875	23.892
rs143067671	ebi-a-GCST90027161	3	20505557	T/C	0.990	0.010	0.006	0.048	0.893	19.815
rs114875674	ebi-a-GCST90027161	1	246774761	A/G	0.009	0.009	0.006	0.061	0.924	20.111
rs35853021	ebi-a-GCST90027161	15	58680643	T/G	0.366	0.366	0.004	0.011	0.701	23.814
rs2956648	ebi-a-GCST90027161	8	114908475	A/C	0.480	0.480	0.002	0.010	0.886	21.616
rs76393003	ebi-a-GCST90027161	7	91355989	T/G	0.096	0.096	0.001	0.017	0.956	19.757
rs1317824	ebi-a-GCST90027161	2	550644	T/C	0.258	0.258	-0.001	0.012	0.932	19.753
rs537298	ebi-a-GCST90027161	1	175830514	A/G	0.266	0.266	-0.002	0.012	0.867	20.361
rs1365249	ebi-a-GCST90027161	18	72164097	A/G	0.331	0.331	-0.006	0.011	0.609	23.901
rs4411368	ebi-a-GCST90027161	13	27623637	T/C	0.053	0.053	-0.018	0.023	0.425	19.985
rs35749905	ebi-a-GCST90027161	2	108220579	A/C	0.097	0.097	-0.031	0.019	0.100	19.694
rs72988128	ebi-a-GCST90027161	2	238373781	T/C	0.027	0.027	-0.072	0.037	0.052	23.040
PC aa C32:0										
rs12373308	ebi-a-GCST90027161	18	58434660	A/G	0.991	0.009	0.073	0.063	0.248	19.987
rs7536840	ebi-a-GCST90027161	1	168628292	A/G	0.037	0.037	0.055	0.030	0.068	20.375
rs80084251	ebi-a-GCST90027161	4	59077864	T/C	0.969	0.031	0.017	0.027	0.538	19.672
rs112736558	ebi-a-GCST90027161	19	11187422	T/C	0.893	0.107	0.016	0.017	0.357	23.453
rs73154283	ebi-a-GCST90027161	7	143614689	A/G	0.820	0.181	0.016	0.013	0.235	20.665
rs6992411	ebi-a-GCST90027161	8	114870236	A/G	0.185	0.185	0.010	0.013	0.462	22.612

rs2360961	ebi-a-GCST90027161	1	199000277	T/C	0.584	0.416	0.010	0.010	0.354	19.919
rs6921643	ebi-a-GCST90027161	6	169208160	T/C	0.102	0.102	-0.002	0.017	0.914	22.118
rs1975136	ebi-a-GCST90027161	2	43932900	A/G	0.927	0.073	-0.003	0.020	0.869	23.488
rs415799	ebi-a-GCST90027161	15	58690754	A/G	0.476	0.476	-0.007	0.010	0.508	30.780
rs6675179	ebi-a-GCST90027161	1	227332043	T/C	0.084	0.084	-0.026	0.018	0.146	20.075
rs80334313	ebi-a-GCST90027161	12	124444552	A/G	0.974	0.026	-0.029	0.033	0.382	19.930
PC aa C32:1										
rs77450749	ebi-a-GCST90027161	18	42988275	A/C	0.029	0.029	0.070	0.029	0.015	19.730
rs1424708	ebi-a-GCST90027161	15	95113616	T/C	0.051	0.051	0.056	0.025	0.024	19.546
rs13252989	ebi-a-GCST90027161	8	128066985	T/C	0.972	0.028	0.029	0.028	0.301	20.763
rs113645346	ebi-a-GCST90027161	4	69673415	A/G	0.042	0.042	0.029	0.025	0.252	20.713
rs10496695	ebi-a-GCST90027161	2	133728225	A/G	0.960	0.041	0.024	0.026	0.353	20.237
rs139029359	ebi-a-GCST90027161	4	71160899	T/C	0.028	0.028	0.021	0.026	0.404	20.157
rs57812637	ebi-a-GCST90027161	6	169212445	A/G	0.907	0.093	0.012	0.018	0.500	20.231
rs4927085	ebi-a-GCST90027161	1	54761465	T/C	0.258	0.258	0.012	0.012	0.305	20.250
rs75503292	ebi-a-GCST90027161	19	52683758	A/C	0.176	0.176	0.011	0.013	0.401	20.608
rs5311117	ebi-a-GCST90027161	11	75456134	T/C	0.189	0.189	0.010	0.012	0.416	26.246
rs114241948	ebi-a-GCST90027161	18	69708443	T/C	0.957	0.043	0.008	0.023	0.728	20.227
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	52.638
rs9862460	ebi-a-GCST90027161	3	178661045	A/G	0.390	0.390	0.005	0.010	0.652	24.411
rs9937882	ebi-a-GCST90027161	16	48450252	T/C	0.159	0.159	0.002	0.014	0.874	27.575
rs36046047	ebi-a-GCST90027161	15	52360346	A/C	0.887	0.113	0.001	0.016	0.974	21.071
rs9517441	ebi-a-GCST90027161	13	99426184	T/C	0.099	0.099	-0.001	0.017	0.976	21.025
rs9291063	ebi-a-GCST90027161	4	4015443	T/C	0.050	0.050	-0.008	0.026	0.752	22.178
rs7720153	ebi-a-GCST90027161	5	20610965	A/C	0.673	0.327	-0.013	0.011	0.224	28.612
rs7979396	ebi-a-GCST90027161	12	89393617	A/G	0.916	0.084	-0.014	0.017	0.418	21.684
rs149700	ebi-a-GCST90027161	5	169244934	A/C	0.700	0.300	-0.015	0.011	0.187	20.336
rs75977208	ebi-a-GCST90027161	5	90474497	T/C	0.018	0.018	-0.016	0.046	0.724	22.154
rs111476793	ebi-a-GCST90027161	4	53951496	A/G	0.124	0.124	-0.031	0.016	0.048	19.561
rs139556989	ebi-a-GCST90027161	12	77488803	A/G	0.971	0.029	-0.038	0.034	0.252	19.687
PC aa C32:2										
rs9993190	ebi-a-GCST90027161	4	42683268	T/C	0.555	0.446	0.028	0.011	0.007	20.375
rs3133586	ebi-a-GCST90027161	8	119838389	A/G	0.080	0.080	0.028	0.017	0.111	19.889

rs55975409	ebi-a-GCST90027161	3	103796994	T/C	0.137	0.137	0.024	0.015	0.105	20.948
rs10516924	ebi-a-GCST90027161	4	94509550	A/C	0.974	0.026	0.018	0.033	0.587	19.658
rs181851867	ebi-a-GCST90027161	16	76099327	A/G	0.035	0.035	0.013	0.029	0.645	20.052
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	87.026
rs2954017	ebi-a-GCST90027161	8	126476873	T/C	0.457	0.457	0.006	0.010	0.592	20.405
rs9862460	ebi-a-GCST90027161	3	178661045	A/G	0.390	0.390	0.005	0.010	0.652	22.454
rs79335568	ebi-a-GCST90027161	16	59239003	A/C	0.949	0.051	0.002	0.022	0.940	22.463
rs12867874	ebi-a-GCST90027161	13	21686958	T/C	0.974	0.026	-0.003	0.034	0.927	23.889
rs13216610	ebi-a-GCST90027161	6	80006754	A/G	0.567	0.434	-0.004	0.010	0.679	20.622
rs7633034	ebi-a-GCST90027161	3	126119449	A/G	0.556	0.444	-0.005	0.011	0.621	19.811
rs73622455	ebi-a-GCST90027161	19	56370685	A/G	0.125	0.125	-0.009	0.017	0.605	20.076
rs974803	ebi-a-GCST90027161	4	136668237	A/G	0.639	0.361	-0.014	0.011	0.177	20.338
rs1601935	ebi-a-GCST90027161	15	58671765	T/G	0.644	0.356	-0.015	0.011	0.164	21.556
rs113218546	ebi-a-GCST90027161	12	77507343	A/G	0.967	0.034	-0.027	0.032	0.403	21.590
rs112110051	ebi-a-GCST90027161	6	5666951	A/G	0.056	0.056	-0.029	0.023	0.214	21.632
rs174564	ebi-a-GCST90027161	11	61588305	A/G	0.628	0.372	-0.035	0.010	0.001	74.251
rs72632033	ebi-a-GCST90027161	4	63654620	T/C	0.973	0.027	-0.071	0.033	0.033	19.928
PC aa C32:3										
rs79330095	ebi-a-GCST90027161	19	18015841	A/C	0.067	0.067	0.049	0.020	0.016	19.661
rs78355824	ebi-a-GCST90027161	3	126643512	A/G	0.067	0.067	0.027	0.021	0.197	20.073
rs13165949	ebi-a-GCST90027161	5	90010141	T/C	0.985	0.015	0.020	0.048	0.677	20.033
rs78605789	ebi-a-GCST90027161	15	83383231	A/G	0.976	0.024	0.016	0.033	0.626	20.044
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	27.980
rs1990808	ebi-a-GCST90027161	7	155169143	T/C	0.287	0.287	-0.006	0.011	0.579	20.716
rs2901412	ebi-a-GCST90027161	2	73347285	A/G	0.108	0.108	-0.009	0.016	0.584	22.840
rs13258507	ebi-a-GCST90027161	8	126492597	T/G	0.794	0.206	-0.018	0.013	0.158	20.422
rs66535806	ebi-a-GCST90027161	13	99429071	A/G	0.072	0.072	-0.027	0.020	0.185	23.181
rs139805598	ebi-a-GCST90027161	7	5325413	T/C	0.017	0.017	-0.032	0.038	0.403	21.524
rs77523384	ebi-a-GCST90027161	3	106305957	T/C	0.980	0.021	-0.058	0.037	0.121	19.789
PC aa C34:1										
rs72706787	ebi-a-GCST90027161	1	179671957	A/G	0.008	0.008	0.100	0.065	0.120	19.558
rs472442	ebi-a-GCST90027161	11	123909311	T/C	0.995	0.005	0.057	0.105	0.588	20.341
rs113645346	ebi-a-GCST90027161	4	69673415	A/G	0.042	0.042	0.029	0.025	0.252	19.464

rs2471320	ebi-a-GCST90027161	7	139915120	T/C	0.944	0.056	0.022	0.022	0.304	20.184
rs7844836	ebi-a-GCST90027161	8	66155399	T/C	0.253	0.253	0.015	0.012	0.192	24.307
rs11209190	ebi-a-GCST90027161	1	68464270	T/C	0.893	0.107	0.014	0.017	0.412	20.792
rs7916255	ebi-a-GCST90027161	10	18385545	A/G	0.977	0.023	0.012	0.031	0.712	20.557
rs7512375	ebi-a-GCST90027161	1	7194282	A/G	0.729	0.271	0.009	0.012	0.458	19.990
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	42.916
rs138686984	ebi-a-GCST90027161	3	57829949	A/G	0.016	0.016	0.008	0.044	0.860	19.542
rs35976088	ebi-a-GCST90027161	20	4462205	T/C	0.658	0.342	0.006	0.011	0.597	20.303
rs1061808	ebi-a-GCST90027161	6	32136547	T/G	0.387	0.387	0.003	0.011	0.793	21.696
rs6050865	ebi-a-GCST90027161	20	2626936	T/G	0.630	0.370	0.002	0.011	0.831	19.766
rs6921643	ebi-a-GCST90027161	6	169208160	T/C	0.102	0.102	-0.002	0.017	0.914	24.376
rs8095413	ebi-a-GCST90027161	18	77949088	T/C	0.864	0.136	-0.006	0.016	0.711	25.334
rs7763581	ebi-a-GCST90027161	6	1614367	T/G	0.551	0.449	-0.008	0.010	0.458	20.960
rs55863919	ebi-a-GCST90027161	19	48544171	T/C	0.809	0.191	-0.009	0.013	0.480	20.203
rs350281	ebi-a-GCST90027161	16	12231739	T/G	0.696	0.304	-0.010	0.011	0.360	19.628
rs1601935	ebi-a-GCST90027161	15	58671765	T/G	0.644	0.356	-0.015	0.011	0.164	26.973
rs12205898	ebi-a-GCST90027161	6	68809341	A/G	0.856	0.144	-0.022	0.015	0.135	22.871
rs187371356	ebi-a-GCST90027161	7	42171901	A/G	0.986	0.014	-0.023	0.041	0.582	21.243
rs138578634	ebi-a-GCST90027161	7	81112811	T/C	0.033	0.033	-0.024	0.026	0.361	21.190
rs114054313	ebi-a-GCST90027161	3	126512281	A/G	0.015	0.015	-0.029	0.048	0.549	21.628
rs140073976	ebi-a-GCST90027161	1	79285194	A/G	0.004	0.004	-0.029	0.069	0.671	19.939
rs141082203	ebi-a-GCST90027161	13	48093663	T/C	0.992	0.008	-0.068	0.080	0.392	20.784
PC aa C34:2										
rs2367051	ebi-a-GCST90027161	11	115494039	A/C	0.418	0.418	0.015	0.010	0.153	21.172
rs174418	ebi-a-GCST90027161	15	58687603	T/C	0.412	0.412	0.015	0.010	0.162	28.684
rs78054795	ebi-a-GCST90027161	12	92009662	A/G	0.974	0.026	0.013	0.029	0.661	20.063
rs36109448	ebi-a-GCST90027161	4	12164912	A/G	0.011	0.011	0.011	0.052	0.828	20.053
rs10889333	ebi-a-GCST90027161	1	62957030	A/G	0.317	0.317	0.010	0.011	0.381	21.677
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	19.612
rs61986995	ebi-a-GCST90027161	14	91017827	A/G	0.059	0.059	0.002	0.023	0.940	20.144
rs12671670	ebi-a-GCST90027161	7	135756410	T/C	0.896	0.104	0.000	0.016	0.986	20.589
rs11075253	ebi-a-GCST90027161	16	15148646	A/C	0.280	0.280	-0.001	0.012	0.939	20.559
rs10811800	ebi-a-GCST90027161	9	22906729	T/C	0.409	0.409	-0.004	0.010	0.683	24.158

rs72634133	ebi-a-GCST90027161	8	36727428	T/C	0.021	0.021	-0.004	0.034	0.901	21.376
rs62351239	ebi-a-GCST90027161	4	189223517	T/C	0.131	0.131	-0.007	0.015	0.659	22.912
rs4751405	ebi-a-GCST90027161	10	133321454	T/C	0.898	0.102	-0.009	0.017	0.596	21.461
rs7610695	ebi-a-GCST90027161	3	167904894	T/C	0.541	0.459	-0.010	0.010	0.348	21.012
rs1077835	ebi-a-GCST90027161	15	58723426	A/G	0.764	0.236	-0.013	0.012	0.278	20.725
rs6675179	ebi-a-GCST90027161	1	227332043	T/C	0.084	0.084	-0.026	0.018	0.146	25.638
rs76151348	ebi-a-GCST90027161	7	12302435	T/G	0.980	0.020	-0.029	0.039	0.453	20.921
rs67033524	ebi-a-GCST90027161	12	24553425	A/G	0.852	0.148	-0.031	0.015	0.039	22.767
PC aa C34:3										
rs72771949	ebi-a-GCST90027161	5	75294779	A/G	0.021	0.021	0.047	0.043	0.276	20.393
rs68181235	ebi-a-GCST90027161	1	115668690	T/C	0.766	0.234	0.026	0.012	0.026	20.875
rs62378677	ebi-a-GCST90027161	5	158586982	T/G	0.026	0.026	0.025	0.034	0.461	21.821
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	59.556
rs7562244	ebi-a-GCST90027161	2	236494162	A/G	0.864	0.136	0.008	0.014	0.572	19.718
rs9862460	ebi-a-GCST90027161	3	178661045	A/G	0.390	0.390	0.005	0.010	0.652	20.191
rs111460942	ebi-a-GCST90027161	1	12624712	A/G	0.985	0.015	0.002	0.047	0.964	20.516
rs1110276	ebi-a-GCST90027161	18	77926338	T/G	0.864	0.136	0.002	0.016	0.904	20.404
rs79335568	ebi-a-GCST90027161	16	59239003	A/C	0.949	0.051	0.002	0.022	0.940	19.730
rs4951761	ebi-a-GCST90027161	1	211694012	A/G	0.228	0.228	-0.001	0.012	0.921	21.193
rs62351239	ebi-a-GCST90027161	4	189223517	T/C	0.131	0.131	-0.007	0.015	0.659	19.927
rs148392326	ebi-a-GCST90027161	5	27304165	A/G	0.947	0.053	-0.007	0.021	0.738	20.859
rs1601935	ebi-a-GCST90027161	15	58671765	T/G	0.644	0.356	-0.015	0.011	0.164	27.614
rs12280464	ebi-a-GCST90027161	11	75569150	T/C	0.909	0.091	-0.020	0.017	0.228	20.111
rs80047555	ebi-a-GCST90027161	2	216858592	T/C	0.622	0.379	-0.023	0.011	0.041	21.139
rs116535097	ebi-a-GCST90027161	4	131873751	T/C	0.983	0.017	-0.071	0.049	0.150	20.305
PC aa C34:4										
rs62502385	ebi-a-GCST90027161	8	28167084	T/C	0.011	0.011	0.061	0.066	0.360	19.629
rs72771949	ebi-a-GCST90027161	5	75294779	A/G	0.021	0.021	0.047	0.043	0.276	23.901
rs8127137	ebi-a-GCST90027161	21	34360051	T/C	0.070	0.070	0.032	0.019	0.093	19.994
rs113645346	ebi-a-GCST90027161	4	69673415	A/G	0.042	0.042	0.029	0.025	0.252	20.990
rs58542926	ebi-a-GCST90027161	19	19379549	T/C	0.071	0.071	0.026	0.020	0.201	37.187
rs79888670	ebi-a-GCST90027161	13	33987999	A/G	0.983	0.017	0.021	0.033	0.526	23.366
rs13122312	ebi-a-GCST90027161	4	136665475	A/G	0.365	0.365	0.012	0.011	0.241	22.251

rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	52.612
rs9862460	ebi-a-GCST90027161	3	178661045	A/G	0.390	0.390	0.005	0.010	0.652	21.798
rs6898540	ebi-a-GCST90027161	5	124989532	A/G	0.723	0.277	-0.001	0.011	0.952	21.298
rs1890074	ebi-a-GCST90027161	9	16619009	T/C	0.430	0.430	-0.001	0.010	0.906	20.065
rs2980868	ebi-a-GCST90027161	8	126488235	T/C	0.483	0.483	-0.001	0.010	0.887	32.903
rs12867874	ebi-a-GCST90027161	13	21686958	T/C	0.974	0.026	-0.003	0.034	0.927	20.598
rs4787981	ebi-a-GCST90027161	16	24320766	A/G	0.251	0.251	-0.003	0.016	0.839	19.581
rs229832	ebi-a-GCST90027161	14	83789214	A/C	0.088	0.088	-0.004	0.017	0.795	21.424
rs36166787	ebi-a-GCST90027161	12	76514052	A/G	0.081	0.081	-0.010	0.016	0.518	20.294
rs57188913	ebi-a-GCST90027161	11	75473294	T/C	0.893	0.107	-0.014	0.016	0.379	49.114
rs78538207	ebi-a-GCST90027161	2	242727408	T/C	0.019	0.019	-0.017	0.040	0.666	22.135
rs55726654	ebi-a-GCST90027161	14	97384182	A/G	0.071	0.071	-0.019	0.020	0.347	21.309
rs148544074	ebi-a-GCST90027161	17	29014893	T/C	0.955	0.045	-0.023	0.025	0.354	22.794
rs147370106	ebi-a-GCST90027161	1	213098950	A/G	0.020	0.020	-0.029	0.041	0.485	26.588
rs112110051	ebi-a-GCST90027161	6	5666951	A/G	0.056	0.056	-0.029	0.023	0.214	20.913
rs186962714	ebi-a-GCST90027161	12	11574707	T/G	0.003	0.003	-0.034	0.086	0.696	23.214
rs12408685	ebi-a-GCST90027161	1	238815242	T/G	0.038	0.038	-0.038	0.031	0.217	19.920
PC aa C36:0										
rs115573588	ebi-a-GCST90027161	4	131478325	A/G	0.963	0.037	0.046	0.022	0.038	19.788
rs79172961	ebi-a-GCST90027161	19	50407566	A/G	0.013	0.013	0.036	0.047	0.445	20.152
rs187894658	ebi-a-GCST90027161	12	13506230	T/C	0.989	0.011	0.022	0.048	0.657	21.555
rs3906517	ebi-a-GCST90027161	5	107141253	A/G	0.030	0.030	0.018	0.032	0.583	20.286
rs11787174	ebi-a-GCST90027161	8	130233493	T/C	0.206	0.206	0.017	0.012	0.175	19.732
rs8052595	ebi-a-GCST90027161	16	83423535	T/C	0.330	0.330	0.016	0.011	0.127	19.645
rs76889666	ebi-a-GCST90027161	16	84412047	T/G	0.976	0.024	0.016	0.036	0.651	19.939
rs68034409	ebi-a-GCST90027161	7	66867072	A/G	0.915	0.085	0.008	0.019	0.683	20.729
rs12619890	ebi-a-GCST90027161	2	53383733	T/C	0.863	0.137	0.006	0.015	0.659	20.904
rs6583767	ebi-a-GCST90027161	10	82717443	T/C	0.438	0.438	0.006	0.010	0.558	20.127
rs1348631	ebi-a-GCST90027161	2	18810750	T/C	0.612	0.388	0.004	0.011	0.728	21.445
rs73200286	ebi-a-GCST90027161	13	69109747	A/G	0.194	0.194	0.001	0.013	0.915	19.759
rs2691233	ebi-a-GCST90027161	19	51548900	T/C	0.319	0.319	0.001	0.011	0.919	22.907
rs72755295	ebi-a-GCST90027161	1	242034263	A/G	0.968	0.032	-0.004	0.029	0.887	22.523
rs1918387	ebi-a-GCST90027161	21	23964463	T/C	0.548	0.452	-0.006	0.010	0.534	19.673

rs11247626	ebi-a-GCST90027161	1	27548657	T/C	0.277	0.277	-0.011	0.012	0.328	20.898
rs13042418	ebi-a-GCST90027161	20	22991000	A/C	0.365	0.365	-0.019	0.011	0.077	25.616
rs140073976	ebi-a-GCST90027161	1	79285194	A/G	0.004	0.004	-0.029	0.069	0.671	20.663
PC aa C36:1										
rs72706787	ebi-a-GCST90027161	1	179671957	A/G	0.008	0.008	0.100	0.065	0.120	21.610
rs7586167	ebi-a-GCST90027161	2	236173925	T/G	0.116	0.116	0.027	0.016	0.094	20.392
rs72712348	ebi-a-GCST90027161	4	139127338	T/C	0.964	0.037	0.025	0.026	0.329	21.833
rs166613	ebi-a-GCST90027161	17	47943461	A/C	0.960	0.040	0.018	0.026	0.495	21.038
rs7844836	ebi-a-GCST90027161	8	66155399	T/C	0.253	0.253	0.015	0.012	0.192	23.455
rs6768008	ebi-a-GCST90027161	3	72377540	T/G	0.045	0.045	0.015	0.029	0.620	19.637
rs78197646	ebi-a-GCST90027161	2	79108247	A/G	0.046	0.046	0.015	0.023	0.529	20.123
rs4927085	ebi-a-GCST90027161	1	54761465	T/C	0.258	0.258	0.012	0.012	0.305	22.871
rs56134489	ebi-a-GCST90027161	2	124279210	A/G	0.985	0.015	0.012	0.044	0.790	22.103
rs3744886	ebi-a-GCST90027161	18	77659561	T/G	0.120	0.120	0.009	0.016	0.583	23.718
rs12072228	ebi-a-GCST90027161	1	7194937	A/G	0.729	0.271	0.009	0.012	0.464	20.982
rs7357805	ebi-a-GCST90027161	9	137713556	T/C	0.498	0.498	0.007	0.010	0.472	20.672
rs964839	ebi-a-GCST90027161	4	96425359	T/G	0.990	0.010	0.004	0.049	0.929	20.565
rs6050698	ebi-a-GCST90027161	20	2611824	T/G	0.629	0.371	0.003	0.011	0.755	25.680
rs12457226	ebi-a-GCST90027161	18	57512408	A/G	0.212	0.212	0.002	0.013	0.868	19.758
rs147457960	ebi-a-GCST90027161	5	75922316	A/G	0.032	0.032	0.001	0.026	0.965	19.914
rs10019349	ebi-a-GCST90027161	4	83102836	T/C	0.170	0.170	-0.001	0.013	0.922	19.574
rs10067471	ebi-a-GCST90027161	5	150128170	T/C	0.037	0.037	-0.003	0.035	0.934	19.808
rs13267338	ebi-a-GCST90027161	8	114907700	A/G	0.524	0.476	-0.004	0.010	0.693	20.760
rs34153257	ebi-a-GCST90027161	20	56638246	A/G	0.283	0.283	-0.005	0.011	0.664	22.503
rs73590386	ebi-a-GCST90027161	10	16874930	T/C	0.100	0.100	-0.008	0.019	0.678	20.005
rs73001565	ebi-a-GCST90027161	2	240388711	A/G	0.142	0.142	-0.009	0.014	0.541	22.573
rs4861113	ebi-a-GCST90027161	4	41479770	A/G	0.313	0.313	-0.011	0.011	0.301	20.589
rs135931	ebi-a-GCST90027161	22	44810788	T/C	0.787	0.214	-0.017	0.013	0.175	21.052
rs138578634	ebi-a-GCST90027161	7	81112811	T/C	0.033	0.033	-0.024	0.026	0.361	19.599
rs140073976	ebi-a-GCST90027161	1	79285194	A/G	0.004	0.004	-0.029	0.069	0.671	22.010
rs141082203	ebi-a-GCST90027161	13	48093663	T/C	0.992	0.008	-0.068	0.080	0.392	21.337
PC aa C36:2										
rs80084251	ebi-a-GCST90027161	4	59077864	T/C	0.969	0.031	0.017	0.027	0.538	22.514

rs78054795	ebi-a-GCST90027161	12	92009662	A/G	0.974	0.026	0.013	0.029	0.661	24.210
rs9317723	ebi-a-GCST90027161	13	69315335	A/G	0.716	0.284	0.008	0.011	0.459	21.214
rs545246	ebi-a-GCST90027161	9	136644532	A/G	0.257	0.257	0.005	0.012	0.686	22.327
rs78801056	ebi-a-GCST90027161	3	156742290	T/C	0.969	0.031	0.004	0.032	0.907	20.967
rs72636315	ebi-a-GCST90027161	13	84377041	A/G	0.033	0.033	-0.003	0.031	0.936	20.466
rs1109309	ebi-a-GCST90027161	5	133079344	A/G	0.463	0.463	-0.005	0.010	0.651	21.262
rs2414577	ebi-a-GCST90027161	15	58680638	T/C	0.606	0.394	-0.005	0.010	0.603	22.912
rs62351239	ebi-a-GCST90027161	4	189223517	T/C	0.131	0.131	-0.007	0.015	0.659	21.201
rs72638444	ebi-a-GCST90027161	13	112214765	A/G	0.098	0.098	-0.009	0.016	0.578	19.661
rs144937479	ebi-a-GCST90027161	11	69543165	A/G	0.029	0.029	-0.012	0.031	0.710	22.068
rs10125601	ebi-a-GCST90027161	9	114628073	A/G	0.148	0.148	-0.017	0.019	0.371	20.513
rs112252202	ebi-a-GCST90027161	10	131629961	T/C	0.068	0.068	-0.018	0.020	0.356	23.596
rs80047555	ebi-a-GCST90027161	2	216858592	T/C	0.622	0.379	-0.023	0.011	0.041	22.401
rs4155	ebi-a-GCST90027161	4	117440814	A/G	0.142	0.142	-0.024	0.015	0.122	20.228
rs6675179	ebi-a-GCST90027161	1	227332043	T/C	0.084	0.084	-0.026	0.018	0.146	22.220
rs140073976	ebi-a-GCST90027161	1	79285194	A/G	0.004	0.004	-0.029	0.069	0.671	25.813
rs117054530	ebi-a-GCST90027161	7	71392865	A/G	0.015	0.015	-0.030	0.041	0.459	19.926
rs7526446	ebi-a-GCST90027161	1	63167984	A/C	0.540	0.460	-0.032	0.015	0.031	25.000
rs174547	ebi-a-GCST90027161	11	61570783	T/C	0.631	0.369	-0.034	0.010	0.001	80.768
rs141082203	ebi-a-GCST90027161	13	48093663	T/C	0.992	0.008	-0.068	0.080	0.392	21.064
PC aa C36:3										
rs116082230	ebi-a-GCST90027161	3	105501534	A/G	0.019	0.019	0.035	0.036	0.332	24.486
rs7714547	ebi-a-GCST90027161	5	163599922	A/G	0.108	0.108	0.032	0.017	0.058	21.456
rs1518514	ebi-a-GCST90027161	6	53223268	A/G	0.271	0.271	0.020	0.012	0.079	21.306
rs7844836	ebi-a-GCST90027161	8	66155399	T/C	0.253	0.253	0.015	0.012	0.192	19.834
rs2940108	ebi-a-GCST90027161	8	132477521	A/G	0.489	0.489	0.015	0.010	0.149	20.250
rs149885663	ebi-a-GCST90027161	6	151748869	A/G	0.994	0.006	0.015	0.083	0.860	20.065
rs11208004	ebi-a-GCST90027161	1	63145439	A/G	0.314	0.314	0.010	0.011	0.383	23.908
rs4492910	ebi-a-GCST90027161	13	27318613	T/C	0.336	0.336	0.010	0.011	0.362	21.103
rs545246	ebi-a-GCST90027161	9	136644532	A/G	0.257	0.257	0.005	0.012	0.686	20.119
rs13141906	ebi-a-GCST90027161	4	189227479	T/C	0.167	0.167	0.004	0.014	0.745	23.193
rs13053973	ebi-a-GCST90027161	22	45178447	T/C	0.342	0.342	0.004	0.011	0.743	19.474
rs62425961	ebi-a-GCST90027161	6	167842378	T/C	0.373	0.373	0.002	0.011	0.831	20.220

rs1132560	ebi-a-GCST90027161	18	77915383	T/C	0.137	0.137	0.001	0.016	0.937	20.228
rs55923603	ebi-a-GCST90027161	3	32527022	A/G	0.930	0.070	-0.002	0.021	0.933	22.020
rs1524594	ebi-a-GCST90027161	7	42614219	T/C	0.540	0.460	-0.003	0.010	0.804	21.048
rs1109309	ebi-a-GCST90027161	5	133079344	A/G	0.463	0.463	-0.005	0.010	0.651	25.625
rs11251866	ebi-a-GCST90027161	10	3407280	T/C	0.768	0.232	-0.006	0.012	0.643	20.380
rs10860624	ebi-a-GCST90027161	12	101107199	T/C	0.293	0.293	-0.007	0.011	0.520	19.759
rs600626	ebi-a-GCST90027161	11	75455309	A/G	0.811	0.189	-0.010	0.012	0.402	31.428
rs1601935	ebi-a-GCST90027161	15	58671765	T/G	0.644	0.356	-0.015	0.011	0.164	28.674
rs35401126	ebi-a-GCST90027161	3	62301557	T/C	0.825	0.175	-0.015	0.014	0.272	20.790
rs117238997	ebi-a-GCST90027161	8	21562862	T/C	0.016	0.016	-0.019	0.043	0.649	19.702
rs6675179	ebi-a-GCST90027161	1	227332043	T/C	0.084	0.084	-0.026	0.018	0.146	24.614
rs149397995	ebi-a-GCST90027161	5	74858060	T/G	0.990	0.010	-0.028	0.069	0.685	19.826
rs1320700	ebi-a-GCST90027161	18	47096016	A/G	0.284	0.284	-0.028	0.011	0.013	23.788
rs147440751	ebi-a-GCST90027161	13	112169116	T/C	0.011	0.011	-0.032	0.058	0.578	21.160
rs174555	ebi-a-GCST90027161	11	61579760	T/C	0.720	0.280	-0.049	0.015	0.001	219.003
rs141082203	ebi-a-GCST90027161	13	48093663	T/C	0.992	0.008	-0.068	0.080	0.392	24.177
PC aa C36:4										
rs75276991	ebi-a-GCST90027161	1	229064766	A/G	0.976	0.024	0.045	0.036	0.208	26.501
rs484195	ebi-a-GCST90027161	19	45421877	A/G	0.362	0.362	0.033	0.011	0.002	22.018
rs143438466	ebi-a-GCST90027161	20	31377651	T/C	0.030	0.030	0.032	0.032	0.318	20.348
rs11762858	ebi-a-GCST90027161	7	139777293	A/G	0.939	0.061	0.028	0.021	0.183	21.032
rs58542926	ebi-a-GCST90027161	19	19379549	T/C	0.071	0.071	0.026	0.020	0.201	22.759
rs73611723	ebi-a-GCST90027161	20	10654611	T/C	0.034	0.034	0.025	0.032	0.439	19.799
rs4846010	ebi-a-GCST90027161	1	11531059	A/G	0.237	0.237	0.018	0.012	0.134	21.378
rs7844836	ebi-a-GCST90027161	8	66155399	T/C	0.253	0.253	0.015	0.012	0.192	21.959
rs28802056	ebi-a-GCST90027161	11	75465830	T/C	0.103	0.103	0.014	0.016	0.379	44.516
rs144687676	ebi-a-GCST90027161	6	43899785	T/C	0.015	0.015	0.010	0.055	0.858	19.840
rs78109581	ebi-a-GCST90027161	8	89406872	A/G	0.974	0.026	0.009	0.036	0.813	19.947
rs79090252	ebi-a-GCST90027161	5	166883246	A/C	0.072	0.072	0.008	0.018	0.671	21.061
rs2111825	ebi-a-GCST90027161	3	170241212	T/C	0.039	0.039	0.007	0.028	0.805	28.081
rs5764153	ebi-a-GCST90027161	22	44657488	A/G	0.543	0.457	0.002	0.010	0.860	20.584
rs6833681	ebi-a-GCST90027161	4	129528898	A/G	0.172	0.172	-0.001	0.014	0.969	23.613
rs74285323	ebi-a-GCST90027161	3	115445296	T/C	0.046	0.046	-0.002	0.026	0.950	21.629

rs73252419	ebi-a-GCST90027161	13	84122174	A/G	0.989	0.011	-0.003	0.056	0.965	20.460
rs11099567	ebi-a-GCST90027161	4	84013033	T/C	0.626	0.375	-0.003	0.011	0.798	21.221
rs28584556	ebi-a-GCST90027161	18	77911537	A/G	0.861	0.140	-0.004	0.016	0.818	24.951
rs10808546	ebi-a-GCST90027161	8	126495818	T/C	0.450	0.450	-0.005	0.010	0.659	40.488
rs12955369	ebi-a-GCST90027161	18	47169684	A/G	0.702	0.299	-0.008	0.011	0.448	20.334
rs78297237	ebi-a-GCST90027161	9	81974784	T/C	0.038	0.038	-0.011	0.031	0.712	19.838
rs4648819	ebi-a-GCST90027161	1	2204790	A/G	0.874	0.127	-0.011	0.015	0.453	25.844
rs3775570	ebi-a-GCST90027161	4	185365589	T/C	0.631	0.369	-0.013	0.011	0.227	21.930
rs11857380	ebi-a-GCST90027161	15	58712203	T/G	0.776	0.224	-0.017	0.012	0.155	22.202
rs174564	ebi-a-GCST90027161	11	61588305	A/G	0.628	0.372	-0.035	0.010	0.001	797.146
PC aa C36:5										
rs163561	ebi-a-GCST90027161	3	3084271	T/C	0.903	0.097	0.035	0.023	0.131	30.199
rs58542926	ebi-a-GCST90027161	19	19379549	T/C	0.071	0.071	0.026	0.020	0.201	21.373
rs113151556	ebi-a-GCST90027161	7	105268441	A/G	0.193	0.193	0.007	0.013	0.559	20.297
rs2111825	ebi-a-GCST90027161	3	170241212	T/C	0.039	0.039	0.007	0.028	0.805	20.871
rs13158454	ebi-a-GCST90027161	5	177780891	T/C	0.494	0.494	0.005	0.010	0.619	20.039
rs8523	ebi-a-GCST90027161	6	10981053	A/G	0.443	0.443	0.002	0.010	0.836	29.086
rs6819004	ebi-a-GCST90027161	4	70429213	T/C	0.848	0.152	-0.001	0.014	0.972	21.018
rs2980868	ebi-a-GCST90027161	8	126488235	T/C	0.483	0.483	-0.001	0.010	0.887	21.931
rs9550865	ebi-a-GCST90027161	13	23323180	A/G	0.248	0.248	-0.001	0.012	0.909	22.754
rs6505336	ebi-a-GCST90027161	17	31683707	A/G	0.011	0.011	-0.003	0.049	0.953	21.767
rs4787981	ebi-a-GCST90027161	16	24320766	A/G	0.251	0.251	-0.003	0.016	0.839	19.936
rs2011988	ebi-a-GCST90027161	17	9050569	A/G	0.442	0.442	-0.016	0.010	0.111	21.973
rs78538207	ebi-a-GCST90027161	2	242727408	T/C	0.019	0.019	-0.017	0.040	0.666	21.019
rs3060	ebi-a-GCST90027161	11	75511572	T/C	0.906	0.094	-0.021	0.017	0.199	35.904
rs56308052	ebi-a-GCST90027161	3	60260136	A/G	0.021	0.021	-0.028	0.036	0.433	20.168
PC aa C36:6										
rs114675014	ebi-a-GCST90027161	4	122399415	T/C	0.014	0.014	0.034	0.049	0.486	19.785
rs12919626	ebi-a-GCST90027161	16	74755930	A/G	0.089	0.089	0.029	0.021	0.158	21.695
rs58542926	ebi-a-GCST90027161	19	19379549	T/C	0.071	0.071	0.026	0.020	0.201	22.417
rs78149287	ebi-a-GCST90027161	12	26596890	A/C	0.955	0.045	0.023	0.026	0.371	25.915
rs114588290	ebi-a-GCST90027161	2	156984598	A/G	0.026	0.026	0.017	0.032	0.595	20.639
rs10899133	ebi-a-GCST90027161	11	75531695	T/C	0.122	0.122	0.016	0.015	0.265	32.653

rs116552617	ebi-a-GCST90027161	4	11281650	T/C	0.015	0.015	0.011	0.051	0.833	22.592
rs62117224	ebi-a-GCST90027161	19	45524679	A/G	0.366	0.366	0.010	0.011	0.337	25.000
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	43.432
rs1525249	ebi-a-GCST90027161	7	46759200	T/C	0.379	0.379	0.007	0.017	0.692	26.910
rs9862460	ebi-a-GCST90027161	3	178661045	A/G	0.390	0.390	0.005	0.010	0.652	23.244
rs6819004	ebi-a-GCST90027161	4	70429213	T/C	0.848	0.152	-0.001	0.014	0.972	20.141
rs2980868	ebi-a-GCST90027161	8	126488235	T/C	0.483	0.483	-0.001	0.010	0.887	24.789
rs9568888	ebi-a-GCST90027161	13	33710645	T/C	0.631	0.369	-0.003	0.011	0.795	20.970
rs62054734	ebi-a-GCST90027161	17	13844535	T/C	0.388	0.388	-0.004	0.011	0.729	20.004
rs2044673	ebi-a-GCST90027161	9	22707790	T/C	0.614	0.386	-0.004	0.010	0.682	23.976
rs9304097	ebi-a-GCST90027161	18	29070441	A/G	0.476	0.476	-0.008	0.010	0.432	20.001
rs17452768	ebi-a-GCST90027161	3	104737039	T/C	0.907	0.093	-0.012	0.018	0.508	20.997
rs116037225	ebi-a-GCST90027161	1	156569792	A/G	0.023	0.023	-0.013	0.033	0.685	20.453
rs62371988	ebi-a-GCST90027161	5	42591797	T/C	0.781	0.219	-0.023	0.013	0.088	19.771
rs6720523	ebi-a-GCST90027161	2	219537175	A/G	0.035	0.035	-0.023	0.029	0.414	20.297
rs61913084	ebi-a-GCST90027161	12	1439262	A/G	0.026	0.026	-0.030	0.033	0.373	22.182
rs116481682	ebi-a-GCST90027161	5	159687451	A/G	0.010	0.010	-0.030	0.052	0.566	21.483
rs77923150	ebi-a-GCST90027161	3	47552103	A/G	0.014	0.014	-0.042	0.048	0.377	19.778
rs111653579	ebi-a-GCST90027161	14	73037480	A/G	0.022	0.022	-0.044	0.038	0.241	20.224
PC aa C38:0										
rs34117066	ebi-a-GCST90027161	21	18495683	A/G	0.041	0.041	0.054	0.028	0.057	19.548
rs76218399	ebi-a-GCST90027161	3	63226897	A/G	0.024	0.024	0.043	0.032	0.170	19.731
rs99780	ebi-a-GCST90027161	11	61596633	T/C	0.372	0.372	0.033	0.010	0.001	48.632
rs75235835	ebi-a-GCST90027161	3	55112453	T/C	0.986	0.014	0.019	0.046	0.672	22.069
rs76774406	ebi-a-GCST90027161	22	18240602	A/G	0.024	0.024	0.019	0.031	0.551	19.685
rs62117224	ebi-a-GCST90027161	19	45524679	A/G	0.366	0.366	0.010	0.011	0.337	20.798
rs56883200	ebi-a-GCST90027161	6	20205616	T/C	0.726	0.274	0.009	0.012	0.453	20.304
rs79254734	ebi-a-GCST90027161	20	753497	A/G	0.070	0.070	0.009	0.020	0.658	21.422
rs10735411	ebi-a-GCST90027161	12	106193961	A/G	0.545	0.455	0.007	0.010	0.471	20.219
rs967986	ebi-a-GCST90027161	2	200960971	T/C	0.852	0.148	0.004	0.015	0.805	21.023
rs871096	ebi-a-GCST90027161	5	168207998	T/C	0.109	0.109	0.002	0.016	0.925	19.585
rs17327477	ebi-a-GCST90027161	7	147359132	T/C	0.972	0.028	0.001	0.031	0.974	23.415
rs4370386	ebi-a-GCST90027161	6	136358193	T/G	0.149	0.149	-0.001	0.015	0.925	21.196

rs11174356	ebi-a-GCST90027161	12	62554458	A/G	0.865	0.135	-0.002	0.015	0.909	23.598
rs9506924	ebi-a-GCST90027161	13	23363420	A/G	0.742	0.258	-0.002	0.012	0.878	23.401
rs62317501	ebi-a-GCST90027161	4	69293112	T/C	0.142	0.142	-0.005	0.015	0.750	19.975
rs56405031	ebi-a-GCST90027161	4	228929	A/G	0.048	0.048	-0.008	0.024	0.735	20.236
rs6517311	ebi-a-GCST90027161	21	37252246	A/G	0.137	0.137	-0.008	0.014	0.561	20.330
rs6661958	ebi-a-GCST90027161	1	175555539	T/C	0.070	0.070	-0.017	0.021	0.405	19.769
rs138606028	ebi-a-GCST90027161	5	77370920	A/G	0.983	0.017	-0.029	0.041	0.489	23.665
rs6679643	ebi-a-GCST90027161	1	229050910	A/G	0.023	0.023	-0.047	0.036	0.197	25.687
rs181362781	ebi-a-GCST90027161	8	79363065	T/C	0.992	0.008	-0.088	0.066	0.186	21.899
PC aa C38:1										
rs151209906	ebi-a-GCST90027161	1	166128310	T/G	0.990	0.010	0.061	0.064	0.345	20.092
rs150806426	ebi-a-GCST90027161	6	145584751	T/G	0.980	0.020	0.031	0.035	0.388	19.930
rs187004231	ebi-a-GCST90027161	2	34002426	T/C	0.981	0.020	0.017	0.053	0.745	20.063
rs72754626	ebi-a-GCST90027161	1	239530602	T/C	0.702	0.298	0.014	0.011	0.201	19.937
rs144534032	ebi-a-GCST90027161	6	85252938	A/G	0.008	0.008	0.009	0.065	0.891	22.876
rs6498404	ebi-a-GCST90027161	16	13387776	A/G	0.610	0.390	0.004	0.010	0.688	20.598
rs660442	ebi-a-GCST90027161	11	64042997	A/G	0.229	0.229	0.001	0.012	0.947	21.878
rs150954026	ebi-a-GCST90027161	2	73393809	A/G	0.876	0.124	-0.002	0.015	0.919	20.630
rs11135368	ebi-a-GCST90027161	5	164768748	A/G	0.376	0.376	-0.005	0.010	0.653	20.656
rs10120372	ebi-a-GCST90027161	9	108440542	T/C	0.925	0.076	-0.005	0.019	0.778	25.162
rs11186651	ebi-a-GCST90027161	10	93424883	T/G	0.819	0.181	-0.006	0.013	0.647	23.085
rs17022172	ebi-a-GCST90027161	4	147886887	A/G	0.987	0.013	-0.023	0.037	0.545	24.930
rs74375227	ebi-a-GCST90027161	4	109718245	T/C	0.018	0.018	-0.032	0.046	0.487	21.922
rs6878238	ebi-a-GCST90027161	5	80474599	T/C	0.031	0.031	-0.068	0.032	0.031	21.330
rs114268615	ebi-a-GCST90027161	3	65221103	T/C	0.007	0.007	-0.089	0.073	0.223	22.502
PC aa C38:3										
rs7714547	ebi-a-GCST90027161	5	163599922	A/G	0.108	0.108	0.032	0.017	0.058	19.783
rs2135454	ebi-a-GCST90027161	8	140066076	T/C	0.851	0.149	0.026	0.014	0.067	20.271
rs1518514	ebi-a-GCST90027161	6	53223268	A/G	0.271	0.271	0.020	0.012	0.079	20.858
rs80084251	ebi-a-GCST90027161	4	59077864	T/C	0.969	0.031	0.017	0.027	0.538	22.473
rs1477798	ebi-a-GCST90027161	15	66452246	T/C	0.274	0.274	0.015	0.012	0.190	19.568
rs78547087	ebi-a-GCST90027161	9	72012429	A/G	0.020	0.020	0.009	0.043	0.833	20.076
rs138686984	ebi-a-GCST90027161	3	57829949	A/G	0.016	0.016	0.008	0.044	0.860	29.553

rs1057569	ebi-a-GCST90027161	5	96109610	A/G	0.290	0.290	0.003	0.011	0.780	20.773
rs72622564	ebi-a-GCST90027161	3	178785834	T/G	0.684	0.316	0.000	0.011	0.977	25.552
rs28584556	ebi-a-GCST90027161	18	77911537	A/G	0.861	0.140	-0.004	0.016	0.818	19.525
rs1109309	ebi-a-GCST90027161	5	133079344	A/G	0.463	0.463	-0.005	0.010	0.651	21.713
rs4812439	ebi-a-GCST90027161	20	39147287	A/G	0.678	0.323	-0.005	0.011	0.648	23.583
rs9587337	ebi-a-GCST90027161	13	107931299	T/C	0.561	0.439	-0.008	0.010	0.415	19.706
rs2922730	ebi-a-GCST90027161	8	132494099	A/G	0.511	0.489	-0.015	0.010	0.143	20.970
rs1806895	ebi-a-GCST90027161	11	75473715	T/C	0.894	0.106	-0.016	0.016	0.318	36.785
rs17801328	ebi-a-GCST90027161	5	150472328	T/C	0.033	0.033	-0.017	0.028	0.544	21.634
rs17276848	ebi-a-GCST90027161	4	153220331	T/G	0.895	0.106	-0.017	0.017	0.301	21.047
rs80047555	ebi-a-GCST90027161	2	216858592	T/C	0.622	0.379	-0.023	0.011	0.041	19.440
rs6675179	ebi-a-GCST90027161	1	227332043	T/C	0.084	0.084	-0.026	0.018	0.146	20.829
rs148882771	ebi-a-GCST90027161	8	91200031	T/C	0.018	0.018	-0.028	0.038	0.472	27.488
rs61897795	ebi-a-GCST90027161	11	61618169	A/G	0.865	0.135	-0.040	0.016	0.011	118.483
PC aa C38:4										
rs55998425	ebi-a-GCST90027161	3	7536821	A/C	0.059	0.059	0.051	0.023	0.026	20.027
rs2471320	ebi-a-GCST90027161	7	139915120	T/C	0.944	0.056	0.022	0.022	0.304	21.431
rs4573120	ebi-a-GCST90027161	6	30767947	T/G	0.683	0.317	0.021	0.011	0.054	19.557
rs164877	ebi-a-GCST90027161	1	91535066	T/C	0.095	0.095	0.013	0.018	0.479	19.925
rs2111825	ebi-a-GCST90027161	3	170241212	T/C	0.039	0.039	0.007	0.028	0.805	23.644
rs545246	ebi-a-GCST90027161	9	136644532	A/G	0.257	0.257	0.005	0.012	0.686	20.890
rs2645069	ebi-a-GCST90027161	1	2268678	T/C	0.331	0.331	0.002	0.011	0.854	20.988
rs34352924	ebi-a-GCST90027161	18	77922244	T/C	0.137	0.137	-0.001	0.016	0.955	24.421
rs61789118	ebi-a-GCST90027161	1	117625356	T/C	0.980	0.020	-0.003	0.045	0.945	23.487
rs72982363	ebi-a-GCST90027161	11	101578588	T/G	0.094	0.094	-0.006	0.018	0.729	21.899
rs2797622	ebi-a-GCST90027161	1	95444202	A/G	0.524	0.476	-0.007	0.010	0.519	30.889
rs10899115	ebi-a-GCST90027161	11	75471849	A/G	0.894	0.107	-0.014	0.016	0.377	38.511
rs13093337	ebi-a-GCST90027161	3	59118686	T/C	0.128	0.128	-0.015	0.016	0.359	20.344
rs10142090	ebi-a-GCST90027161	14	87926629	A/G	0.070	0.070	-0.018	0.023	0.417	25.634
rs61760587	ebi-a-GCST90027161	22	50709226	A/G	0.059	0.059	-0.019	0.021	0.360	23.487
rs17286241	ebi-a-GCST90027161	2	107345701	A/C	0.953	0.047	-0.021	0.023	0.360	20.069
rs174564	ebi-a-GCST90027161	11	61588305	A/G	0.628	0.372	-0.035	0.010	0.001	882.828
rs76777058	ebi-a-GCST90027161	1	229065161	A/G	0.024	0.024	-0.045	0.036	0.213	27.557

rs117888932	ebi-a-GCST90027161	9	3307720	T/C	0.010	0.010	-0.087	0.055	0.112	24.134
PC aa C38:5										
rs112412737	ebi-a-GCST90027161	4	153167888	T/C	0.034	0.034	0.080	0.033	0.015	22.140
rs35482035	ebi-a-GCST90027161	6	25622605	A/G	0.019	0.019	0.049	0.037	0.187	20.169
rs10826967	ebi-a-GCST90027161	10	31862850	T/C	0.006	0.006	0.039	0.066	0.553	20.096
rs11782386	ebi-a-GCST90027161	8	9201787	T/C	0.127	0.127	0.028	0.015	0.061	20.309
rs138280242	ebi-a-GCST90027161	8	91455617	A/C	0.017	0.017	0.022	0.040	0.586	22.459
rs62117224	ebi-a-GCST90027161	19	45524679	A/G	0.366	0.366	0.010	0.011	0.337	23.270
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	34.607
rs2111825	ebi-a-GCST90027161	3	170241212	T/C	0.039	0.039	0.007	0.028	0.805	23.744
rs2645069	ebi-a-GCST90027161	1	2268678	T/C	0.331	0.331	0.002	0.011	0.854	23.392
rs116209043	ebi-a-GCST90027161	2	170379531	A/C	0.105	0.105	-0.006	0.017	0.728	22.583
rs7507114	ebi-a-GCST90027161	18	13539693	A/G	0.492	0.492	-0.009	0.010	0.384	20.579
rs11264049	ebi-a-GCST90027161	1	37902135	T/C	0.608	0.392	-0.010	0.011	0.339	20.497
rs79738332	ebi-a-GCST90027161	4	163813666	T/C	0.965	0.035	-0.018	0.028	0.530	20.270
rs11523794	ebi-a-GCST90027161	1	246698936	T/C	0.281	0.281	-0.018	0.011	0.099	20.577
rs56131196	ebi-a-GCST90027161	19	45422846	A/G	0.212	0.212	-0.019	0.012	0.127	25.951
rs17134394	ebi-a-GCST90027161	11	75554274	A/C	0.910	0.090	-0.023	0.017	0.171	36.141
rs138578634	ebi-a-GCST90027161	7	81112811	T/C	0.033	0.033	-0.024	0.026	0.361	20.186
rs28491116	ebi-a-GCST90027161	3	13274255	A/G	0.962	0.038	-0.026	0.026	0.319	19.733
PC aa C38:6										
rs75088138	ebi-a-GCST90027161	3	156707685	A/G	0.985	0.015	0.051	0.041	0.217	20.041
rs140871221	ebi-a-GCST90027161	1	34218813	A/G	0.040	0.040	0.035	0.025	0.162	22.966
rs9468308	ebi-a-GCST90027161	6	11044068	T/G	0.796	0.204	0.026	0.013	0.051	24.700
rs2094374	ebi-a-GCST90027161	9	127574029	T/C	0.114	0.114	0.024	0.015	0.122	19.958
rs138280242	ebi-a-GCST90027161	8	91455617	A/C	0.017	0.017	0.022	0.040	0.586	22.328
rs72711990	ebi-a-GCST90027161	14	100763369	A/G	0.672	0.328	0.017	0.011	0.119	19.709
rs1792945	ebi-a-GCST90027161	11	61896653	A/G	0.342	0.342	0.011	0.011	0.308	20.923
rs62117224	ebi-a-GCST90027161	19	45524679	A/G	0.366	0.366	0.010	0.011	0.337	31.872
rs2980868	ebi-a-GCST90027161	8	126488235	T/C	0.483	0.483	-0.001	0.010	0.887	28.172
rs10791396	ebi-a-GCST90027161	11	134680194	T/C	0.718	0.282	-0.004	0.012	0.711	19.645
rs17013796	ebi-a-GCST90027161	3	76158788	A/C	0.113	0.113	-0.005	0.018	0.792	20.604
rs112881165	ebi-a-GCST90027161	8	107267803	A/G	0.097	0.097	-0.006	0.018	0.740	22.873

rs11127048	ebi-a-GCST90027161	2	27752463	A/G	0.618	0.382	-0.006	0.010	0.555	25.744
rs10122910	ebi-a-GCST90027161	9	14264717	A/G	0.775	0.225	-0.011	0.013	0.400	19.913
rs10899115	ebi-a-GCST90027161	11	75471849	A/G	0.894	0.107	-0.014	0.016	0.377	23.535
rs77201694	ebi-a-GCST90027161	1	44347087	A/G	0.126	0.126	-0.016	0.015	0.303	20.661
rs56131196	ebi-a-GCST90027161	19	45422846	A/G	0.212	0.212	-0.019	0.012	0.127	24.895
rs11987754	ebi-a-GCST90027161	8	8125706	T/C	0.377	0.377	-0.021	0.011	0.051	25.136
rs73195657	ebi-a-GCST90027161	7	105654609	T/C	0.985	0.015	-0.023	0.046	0.614	21.880
rs171091	ebi-a-GCST90027161	3	3086694	T/G	0.116	0.116	-0.029	0.017	0.082	23.138
rs17767434	ebi-a-GCST90027161	14	71806727	A/G	0.098	0.098	-0.038	0.018	0.037	19.612
PC aa C40:1										
rs148715538	ebi-a-GCST90027161	4	45754554	T/C	0.994	0.006	0.081	0.089	0.364	19.698
rs151143914	ebi-a-GCST90027161	3	90293793	T/C	0.029	0.029	0.071	0.038	0.060	21.382
rs56105210	ebi-a-GCST90027161	12	47919958	A/C	0.022	0.022	0.051	0.032	0.114	20.911
rs117257506	ebi-a-GCST90027161	8	54718757	T/C	0.021	0.021	0.032	0.034	0.348	21.076
rs115283750	ebi-a-GCST90027161	3	124735315	A/G	0.022	0.022	0.020	0.031	0.514	19.978
rs4680829	ebi-a-GCST90027161	3	29446982	T/G	0.120	0.120	0.020	0.015	0.189	21.372
rs72491377	ebi-a-GCST90027161	5	7208229	T/G	0.181	0.181	0.018	0.013	0.171	20.387
rs75263432	ebi-a-GCST90027161	6	11446903	A/G	0.979	0.021	0.014	0.040	0.735	19.671
rs7045408	ebi-a-GCST90027161	9	139506766	A/G	0.683	0.317	-0.002	0.011	0.876	19.918
rs4379666	ebi-a-GCST90027161	1	245317435	T/C	0.322	0.322	-0.003	0.011	0.787	20.555
rs62253776	ebi-a-GCST90027161	3	53743643	T/C	0.148	0.148	-0.007	0.014	0.631	20.727
rs11721594	ebi-a-GCST90027161	4	188866834	T/C	0.589	0.411	-0.009	0.010	0.386	22.425
rs149966615	ebi-a-GCST90027161	1	60052035	T/G	0.992	0.008	-0.034	0.082	0.683	22.139
rs73035089	ebi-a-GCST90027161	11	132935041	T/C	0.015	0.015	-0.042	0.042	0.319	20.601
rs117878003	ebi-a-GCST90027161	7	1247934	A/C	0.013	0.013	-0.109	0.049	0.026	21.218
PC aa C40:2										
rs115317730	ebi-a-GCST90027161	5	50309399	T/G	0.007	0.007	0.130	0.084	0.123	19.685
rs62341260	ebi-a-GCST90027161	4	174575683	T/C	0.017	0.017	0.095	0.041	0.021	22.680
rs117697165	ebi-a-GCST90027161	6	113791493	T/C	0.016	0.016	0.054	0.048	0.259	19.813
rs11076567	ebi-a-GCST90027161	16	48480140	A/C	0.019	0.019	0.039	0.043	0.361	21.282
rs188896845	ebi-a-GCST90027161	3	116227128	T/C	0.989	0.011	0.036	0.062	0.564	19.683
rs116971246	ebi-a-GCST90027161	20	56636995	A/G	0.958	0.042	0.031	0.026	0.235	20.075
rs79588468	ebi-a-GCST90027161	18	6615932	A/C	0.971	0.029	0.021	0.027	0.448	20.209

rs686330	ebi-a-GCST90027161	1	201540009	A/G	0.984	0.016	0.018	0.043	0.684	22.479
rs2845574	ebi-a-GCST90027161	11	61601872	T/C	0.125	0.125	0.018	0.014	0.209	21.369
rs147646039	ebi-a-GCST90027161	6	105574354	A/G	0.963	0.037	0.015	0.031	0.630	23.577
rs35825382	ebi-a-GCST90027161	10	12592344	T/C	0.011	0.011	0.014	0.072	0.851	22.979
rs4634718	ebi-a-GCST90027161	9	79741569	T/C	0.743	0.257	0.003	0.012	0.823	21.235
rs71609895	ebi-a-GCST90027161	5	25675410	A/G	0.904	0.096	0.001	0.017	0.952	21.127
rs73767372	ebi-a-GCST90027161	5	76627468	T/C	0.148	0.148	0.000	0.014	0.981	21.935
rs72878465	ebi-a-GCST90027161	11	27124409	T/C	0.912	0.088	0.000	0.018	0.993	19.617
rs176003	ebi-a-GCST90027161	5	67386576	T/C	0.738	0.262	-0.003	0.012	0.778	19.516
rs62016707	ebi-a-GCST90027161	14	40224378	A/G	0.121	0.121	-0.004	0.015	0.806	20.399
rs2143547	ebi-a-GCST90027161	22	47789474	T/C	0.723	0.277	-0.006	0.012	0.616	19.681
rs7750744	ebi-a-GCST90027161	6	130075445	T/G	0.871	0.129	-0.014	0.015	0.342	20.407
rs62314689	ebi-a-GCST90027161	4	137945366	T/C	0.922	0.078	-0.023	0.020	0.247	27.276
rs75415741	ebi-a-GCST90027161	12	104918757	T/C	0.027	0.027	-0.032	0.030	0.293	20.378
rs62324580	ebi-a-GCST90027161	4	125552924	T/G	0.039	0.039	-0.037	0.027	0.168	20.753
rs117778559	ebi-a-GCST90027161	6	147401342	T/C	0.019	0.019	-0.046	0.036	0.198	32.192
rs9824765	ebi-a-GCST90027161	3	174855124	T/C	0.021	0.021	-0.057	0.033	0.084	24.115
PC aa C40:3										
rs73106723	ebi-a-GCST90027161	12	47271202	T/C	0.012	0.012	0.069	0.046	0.129	27.171
rs7779937	ebi-a-GCST90027161	7	10971712	A/G	0.048	0.048	0.044	0.025	0.073	20.629
rs55807413	ebi-a-GCST90027161	11	2956783	A/G	0.117	0.117	0.034	0.016	0.037	19.931
rs118108984	ebi-a-GCST90027161	7	72929989	T/G	0.915	0.085	0.032	0.018	0.074	20.428
rs77606324	ebi-a-GCST90027161	1	182393198	A/G	0.856	0.144	0.026	0.015	0.079	20.272
rs6572932	ebi-a-GCST90027161	14	54442902	T/G	0.068	0.068	0.025	0.022	0.245	19.612
rs77039065	ebi-a-GCST90027161	7	48169878	A/C	0.047	0.047	0.007	0.027	0.806	21.525
rs146736998	ebi-a-GCST90027161	3	42391624	A/G	0.974	0.026	0.005	0.029	0.863	22.716
rs6683004	ebi-a-GCST90027161	1	19320779	A/G	0.238	0.238	-0.007	0.012	0.582	20.944
rs117955137	ebi-a-GCST90027161	18	77529186	T/G	0.041	0.041	-0.011	0.026	0.670	20.532
rs4969374	ebi-a-GCST90027161	17	79051466	A/G	0.284	0.284	-0.011	0.011	0.320	20.787
rs111862818	ebi-a-GCST90027161	7	129901702	T/C	0.009	0.009	-0.012	0.062	0.843	20.497
rs78282838	ebi-a-GCST90027161	16	77483277	T/C	0.068	0.068	-0.014	0.020	0.482	21.342
rs11702495	ebi-a-GCST90027161	21	37670979	T/C	0.390	0.390	-0.019	0.011	0.076	19.963
rs17031792	ebi-a-GCST90027161	3	65322335	T/C	0.037	0.037	-0.026	0.031	0.391	20.365

rs4409873	ebi-a-GCST90027161	11	115104646	A/G	0.155	0.155	-0.029	0.014	0.035	21.897
rs140789372	ebi-a-GCST90027161	16	17523978	A/G	0.019	0.019	-0.037	0.039	0.335	24.324
PC aa C40:4										
rs1997323	ebi-a-GCST90027161	5	87220656	A/G	0.023	0.023	0.034	0.033	0.314	24.489
rs145973035	ebi-a-GCST90027161	2	171511025	T/G	0.021	0.021	0.023	0.039	0.567	25.595
rs10793128	ebi-a-GCST90027161	11	75459841	A/G	0.102	0.102	0.015	0.016	0.337	20.321
rs608020	ebi-a-GCST90027161	1	10794895	A/G	0.012	0.012	0.012	0.055	0.831	21.737
rs10946416	ebi-a-GCST90027161	6	20883616	T/G	0.230	0.230	0.008	0.013	0.523	20.722
rs9951331	ebi-a-GCST90027161	18	58914981	A/G	0.250	0.250	0.002	0.012	0.867	19.983
rs183419566	ebi-a-GCST90027161	13	37643924	T/C	0.018	0.018	0.002	0.035	0.957	21.406
rs35724243	ebi-a-GCST90027161	13	23968660	T/C	0.923	0.077	-0.003	0.019	0.894	21.007
rs13376933	ebi-a-GCST90027161	10	16001237	A/C	0.163	0.163	-0.003	0.014	0.851	20.577
rs4985124	ebi-a-GCST90027161	16	15125441	T/G	0.693	0.307	-0.003	0.011	0.778	21.230
rs12731807	ebi-a-GCST90027161	1	183394037	T/G	0.472	0.472	-0.006	0.010	0.554	19.910
rs2631508	ebi-a-GCST90027161	11	24847895	A/G	0.141	0.141	-0.010	0.014	0.468	22.081
rs78026375	ebi-a-GCST90027161	11	121736700	T/G	0.106	0.106	-0.010	0.015	0.487	21.962
rs17037899	ebi-a-GCST90027161	3	13256425	T/G	0.970	0.030	-0.011	0.029	0.709	20.717
rs57434462	ebi-a-GCST90027161	3	129747708	T/C	0.046	0.046	-0.015	0.025	0.555	19.579
rs1983097	ebi-a-GCST90027161	12	55441806	A/G	0.306	0.306	-0.015	0.011	0.176	20.302
rs75134455	ebi-a-GCST90027161	1	210137809	T/G	0.938	0.062	-0.023	0.025	0.371	19.632
rs174564	ebi-a-GCST90027161	11	61588305	A/G	0.628	0.372	-0.035	0.010	0.001	174.922
PC aa C40:5										
rs174574	ebi-a-GCST90027161	11	61600342	A/C	0.373	0.373	0.034	0.010	0.001	170.704
rs17382760	ebi-a-GCST90027161	2	137144030	T/C	0.018	0.018	0.033	0.036	0.366	19.914
rs2126259	ebi-a-GCST90027161	8	9185146	T/C	0.118	0.118	0.031	0.016	0.047	34.362
rs112118826	ebi-a-GCST90027161	5	33102133	T/C	0.014	0.014	0.018	0.046	0.691	24.413
rs6595573	ebi-a-GCST90027161	5	124411766	A/G	0.419	0.419	0.017	0.010	0.105	20.650
rs10181573	ebi-a-GCST90027161	2	237581541	A/G	0.070	0.070	0.011	0.019	0.586	23.645
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	76.231
rs17182071	ebi-a-GCST90027161	17	30047788	T/C	0.626	0.374	0.003	0.010	0.792	20.130
rs6949638	ebi-a-GCST90027161	7	87003066	T/C	0.818	0.182	0.000	0.013	0.982	21.131
rs5749113	ebi-a-GCST90027161	22	30895982	A/G	0.606	0.394	-0.001	0.011	0.953	22.706
rs9542163	ebi-a-GCST90027161	13	70594875	A/G	0.744	0.256	-0.003	0.012	0.790	19.901

rs17017597	ebi-a-GCST90027161	2	4117436	A/G	0.093	0.093	-0.006	0.018	0.739	22.911
rs139113069	ebi-a-GCST90027161	6	90028364	T/C	0.021	0.021	-0.007	0.049	0.895	19.706
rs72790009	ebi-a-GCST90027161	5	140738009	A/G	0.035	0.035	-0.007	0.025	0.782	22.971
rs6682423	ebi-a-GCST90027161	1	63171063	T/C	0.660	0.340	-0.015	0.011	0.172	30.068
rs2766005	ebi-a-GCST90027161	1	95428414	A/G	0.397	0.397	-0.016	0.011	0.125	27.670
rs34426212	ebi-a-GCST90027161	8	21482388	T/C	0.908	0.092	-0.018	0.017	0.273	20.525
rs28538627	ebi-a-GCST90027161	15	42282242	A/G	0.045	0.045	-0.024	0.027	0.373	21.126
PC aa C40:6										
rs142752101	ebi-a-GCST90027161	8	79373262	T/C	0.013	0.013	0.038	0.049	0.439	19.951
rs11782386	ebi-a-GCST90027161	8	9201787	T/C	0.127	0.127	0.028	0.015	0.061	29.959
rs138280242	ebi-a-GCST90027161	8	91455617	A/C	0.017	0.017	0.022	0.040	0.586	25.632
rs142992900	ebi-a-GCST90027161	15	70980807	T/G	0.026	0.026	0.017	0.031	0.593	23.592
rs75015768	ebi-a-GCST90027161	20	56465022	T/C	0.977	0.023	0.015	0.032	0.640	19.648
rs139534594	ebi-a-GCST90027161	9	103337177	A/G	0.047	0.047	0.014	0.021	0.522	20.135
rs62117224	ebi-a-GCST90027161	19	45524679	A/G	0.366	0.366	0.010	0.011	0.337	29.727
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	34.835
rs1168041	ebi-a-GCST90027161	1	62960250	T/C	0.312	0.312	0.004	0.011	0.694	24.242
rs55784833	ebi-a-GCST90027161	6	93901330	A/G	0.888	0.112	0.003	0.015	0.824	20.840
rs71556711	ebi-a-GCST90027161	7	72854549	T/C	0.095	0.095	0.002	0.017	0.914	20.091
rs113104901	ebi-a-GCST90027161	1	157853727	T/C	0.043	0.043	-0.001	0.023	0.957	19.800
rs112881165	ebi-a-GCST90027161	8	107267803	A/G	0.097	0.097	-0.006	0.018	0.740	20.556
rs7593278	ebi-a-GCST90027161	2	53432285	T/C	0.738	0.262	-0.012	0.012	0.319	20.195
rs74887879	ebi-a-GCST90027161	6	17724819	T/C	0.087	0.087	-0.013	0.018	0.453	24.749
rs181065590	ebi-a-GCST90027161	2	220268008	T/G	0.020	0.020	-0.021	0.041	0.603	20.775
rs4646394	ebi-a-GCST90027161	17	17440595	A/C	0.564	0.436	-0.028	0.014	0.044	35.166
rs114916611	ebi-a-GCST90027161	2	235655738	A/G	0.984	0.016	-0.071	0.043	0.098	21.389
PC aa C42:0										
rs17176093	ebi-a-GCST90027161	17	68568340	A/G	0.951	0.049	0.013	0.026	0.601	20.087
rs58157616	ebi-a-GCST90027161	3	73398221	A/G	0.569	0.432	0.010	0.010	0.344	22.868
rs8032018	ebi-a-GCST90027161	15	99983175	T/C	0.764	0.236	0.010	0.012	0.421	20.202
rs28406658	ebi-a-GCST90027161	15	88253462	A/G	0.719	0.281	-0.003	0.011	0.795	21.331
rs55825878	ebi-a-GCST90027161	19	52124312	T/C	0.958	0.042	-0.004	0.029	0.903	20.342
rs9844665	ebi-a-GCST90027161	3	29223562	A/G	0.962	0.038	-0.004	0.029	0.898	20.576

rs2295134	ebi-a-GCST90027161	14	97595388	T/C	0.395	0.395	-0.004	0.010	0.686	21.355
rs1347424	ebi-a-GCST90027161	15	88461606	T/C	0.360	0.360	-0.004	0.011	0.676	20.682
rs4870854	ebi-a-GCST90027161	8	124500147	T/C	0.108	0.108	-0.004	0.017	0.795	20.849
rs1108714	ebi-a-GCST90027161	11	68595340	A/G	0.368	0.368	-0.006	0.010	0.566	22.462
rs13189148	ebi-a-GCST90027161	5	15931537	A/G	0.288	0.288	-0.011	0.011	0.360	22.834
rs4073995	ebi-a-GCST90027161	17	77545109	T/G	0.328	0.328	-0.011	0.023	0.627	20.887
rs7428150	ebi-a-GCST90027161	3	197234673	A/G	0.913	0.087	-0.014	0.019	0.458	21.882
rs78509086	ebi-a-GCST90027161	12	126297201	A/G	0.060	0.060	-0.017	0.021	0.429	24.790
rs142647082	ebi-a-GCST90027161	8	35456420	T/G	0.023	0.023	-0.029	0.036	0.419	25.601
rs55744938	ebi-a-GCST90027161	8	15231084	T/C	0.034	0.034	-0.042	0.026	0.105	22.797
rs117182794	ebi-a-GCST90027161	18	42309065	T/C	0.015	0.015	-0.054	0.041	0.181	20.612
PC aa C42:1										
rs117622502	ebi-a-GCST90027161	8	73704922	A/G	0.012	0.012	0.094	0.062	0.125	20.084
rs117439624	ebi-a-GCST90027161	11	96499428	A/G	0.004	0.004	0.069	0.116	0.551	21.461
rs79367469	ebi-a-GCST90027161	18	60112594	A/G	0.020	0.020	0.040	0.040	0.323	20.024
rs78046885	ebi-a-GCST90027161	1	102374155	A/G	0.976	0.024	0.031	0.030	0.298	24.662
rs76852585	ebi-a-GCST90027161	16	49286746	T/C	0.021	0.021	0.015	0.039	0.700	20.269
rs6431194	ebi-a-GCST90027161	2	127634679	T/C	0.918	0.082	0.009	0.020	0.659	19.917
rs12702765	ebi-a-GCST90027161	7	8721852	A/G	0.734	0.266	0.009	0.012	0.478	20.958
rs10881928	ebi-a-GCST90027161	10	93371128	T/C	0.519	0.481	0.007	0.010	0.511	20.036
rs244994	ebi-a-GCST90027161	5	155296496	T/C	0.567	0.433	0.001	0.010	0.940	25.806
rs10153317	ebi-a-GCST90027161	17	13325226	T/C	0.251	0.251	-0.004	0.012	0.724	21.094
rs34415892	ebi-a-GCST90027161	3	55077382	T/C	0.780	0.221	-0.005	0.012	0.668	19.834
rs140560215	ebi-a-GCST90027161	17	33018304	T/C	0.988	0.012	-0.009	0.058	0.870	20.832
rs142171470	ebi-a-GCST90027161	19	9138092	A/C	0.995	0.005	-0.023	0.053	0.665	23.786
rs117449805	ebi-a-GCST90027161	19	5836980	T/C	0.960	0.040	-0.030	0.025	0.220	21.192
rs17640289	ebi-a-GCST90027161	1	196242721	T/G	0.992	0.008	-0.076	0.076	0.322	20.285
PC aa C42:2										
rs6693638	ebi-a-GCST90027161	1	42149483	T/C	0.011	0.011	0.063	0.061	0.296	19.612
rs11675777	ebi-a-GCST90027161	2	238811902	T/C	0.056	0.056	0.058	0.025	0.019	20.205
rs73204522	ebi-a-GCST90027161	4	7139662	T/C	0.150	0.150	0.039	0.015	0.007	20.031
rs139131711	ebi-a-GCST90027161	10	80405788	T/C	0.007	0.007	0.032	0.091	0.729	22.947
rs11576932	ebi-a-GCST90027161	1	182370507	T/G	0.942	0.058	0.030	0.024	0.204	19.657

rs72862397	ebi-a-GCST90027161	2	146642126	T/C	0.828	0.172	0.028	0.013	0.034	20.611
rs4302086	ebi-a-GCST90027161	17	65789114	T/C	0.056	0.056	0.024	0.023	0.294	19.747
rs2236325	ebi-a-GCST90027161	9	35907360	A/G	0.052	0.052	0.023	0.024	0.333	19.811
rs35906474	ebi-a-GCST90027161	17	14332907	A/G	0.110	0.110	0.023	0.017	0.168	21.302
rs76159055	ebi-a-GCST90027161	19	39517709	T/C	0.014	0.014	0.022	0.052	0.672	22.694
rs329945	ebi-a-GCST90027161	19	53068851	A/G	0.843	0.157	0.021	0.013	0.118	23.499
rs73346690	ebi-a-GCST90027161	14	99843155	A/G	0.097	0.097	0.019	0.017	0.254	20.458
rs1549850	ebi-a-GCST90027161	4	159931261	T/C	0.597	0.403	0.008	0.010	0.431	19.928
rs9952167	ebi-a-GCST90027161	18	73111341	A/G	0.032	0.032	-0.013	0.037	0.731	21.219
rs75050636	ebi-a-GCST90027161	14	47282761	T/C	0.981	0.020	-0.018	0.032	0.577	20.589
rs6709179	ebi-a-GCST90027161	2	161115658	A/G	0.012	0.012	-0.059	0.047	0.203	22.405
PC aa C42:4										
rs79357584	ebi-a-GCST90027161	13	61214536	A/G	0.980	0.020	0.064	0.033	0.054	22.641
rs142372192	ebi-a-GCST90027161	16	26496674	A/C	0.016	0.016	0.031	0.038	0.404	23.771
rs7742776	ebi-a-GCST90027161	6	103861247	T/C	0.852	0.148	0.021	0.015	0.160	20.452
rs188631536	ebi-a-GCST90027161	5	118942001	T/C	0.015	0.015	0.019	0.047	0.687	21.531
rs111959244	ebi-a-GCST90027161	7	100423845	A/G	0.021	0.021	0.015	0.034	0.666	23.542
rs4960248	ebi-a-GCST90027161	6	6808208	T/C	0.361	0.361	0.014	0.011	0.215	19.612
rs4436092	ebi-a-GCST90027161	8	106133917	A/G	0.261	0.261	0.010	0.012	0.407	21.228
rs10461440	ebi-a-GCST90027161	5	57383200	T/G	0.866	0.134	0.008	0.015	0.584	23.315
rs79749229	ebi-a-GCST90027161	13	38842579	T/G	0.333	0.333	-0.004	0.011	0.738	20.140
rs4782484	ebi-a-GCST90027161	16	89058054	T/C	0.340	0.340	-0.005	0.011	0.624	19.963
rs7045089	ebi-a-GCST90027161	9	85519892	A/G	0.573	0.427	-0.008	0.011	0.446	21.880
rs6004540	ebi-a-GCST90027161	22	25681893	T/C	0.088	0.088	-0.023	0.019	0.229	20.438
rs4900483	ebi-a-GCST90027161	14	101566637	T/C	0.073	0.073	-0.023	0.020	0.248	19.848
rs117539223	ebi-a-GCST90027161	19	35155890	A/G	0.010	0.010	-0.024	0.059	0.684	20.232
rs139785143	ebi-a-GCST90027161	4	101588675	T/C	0.057	0.057	-0.026	0.024	0.267	19.544
rs150462620	ebi-a-GCST90027161	3	152237637	A/C	0.018	0.018	-0.086	0.044	0.052	19.696
PC aa C42:5										
rs150956895	ebi-a-GCST90027161	18	18608442	A/G	0.994	0.006	0.085	0.091	0.350	20.687
rs80180406	ebi-a-GCST90027161	16	67435558	A/G	0.023	0.023	0.030	0.034	0.373	19.853
rs12347113	ebi-a-GCST90027161	9	120296561	A/G	0.212	0.212	0.024	0.013	0.058	19.861
rs62441269	ebi-a-GCST90027161	7	6540799	T/C	0.874	0.126	0.022	0.016	0.172	24.690

rs9695855	ebi-a-GCST90027161	9	38315047	T/C	0.877	0.124	0.019	0.015	0.227	20.478
rs754357	ebi-a-GCST90027161	5	148231732	T/C	0.982	0.018	0.010	0.033	0.771	20.780
rs4297015	ebi-a-GCST90027161	8	110086268	T/C	0.159	0.159	0.008	0.014	0.589	19.870
rs117251479	ebi-a-GCST90027161	11	14324511	A/G	0.034	0.034	0.002	0.030	0.959	24.458
rs60563966	ebi-a-GCST90027161	2	40343463	A/G	0.676	0.324	-0.001	0.011	0.936	21.448
rs142768156	ebi-a-GCST90027161	12	70785147	A/G	0.983	0.017	-0.004	0.045	0.934	20.710
rs72778871	ebi-a-GCST90027161	10	45413193	A/G	0.084	0.084	-0.006	0.018	0.740	19.975
rs1972596	ebi-a-GCST90027161	18	52546346	T/C	0.695	0.305	-0.009	0.011	0.409	21.912
rs12066630	ebi-a-GCST90027161	1	37600801	T/C	0.680	0.320	-0.010	0.011	0.356	19.879
rs1457078	ebi-a-GCST90027161	5	83047491	T/C	0.308	0.308	-0.011	0.011	0.342	20.138
rs149359924	ebi-a-GCST90027161	7	36291872	A/G	0.013	0.013	-0.011	0.043	0.791	20.102
rs74626408	ebi-a-GCST90027161	2	196933865	A/G	0.044	0.044	-0.021	0.025	0.409	19.667
rs141112569	ebi-a-GCST90027161	2	32867896	A/G	0.046	0.046	-0.022	0.027	0.412	24.592
rs1885331	ebi-a-GCST90027161	6	70007550	T/G	0.741	0.259	-0.022	0.012	0.052	20.883
PC aa C42:6										
rs114787025	ebi-a-GCST90027161	6	16252223	T/G	0.964	0.036	0.035	0.027	0.189	22.248
rs34786449	ebi-a-GCST90027161	5	168878085	T/C	0.046	0.046	0.027	0.024	0.261	19.491
rs985895	ebi-a-GCST90027161	7	78081896	A/C	0.791	0.209	0.019	0.013	0.123	19.584
rs9411335	ebi-a-GCST90027161	9	134901224	A/G	0.696	0.304	0.015	0.011	0.192	30.075
rs144856890	ebi-a-GCST90027161	5	44577761	T/C	0.099	0.099	0.014	0.017	0.421	20.848
rs139416705	ebi-a-GCST90027161	8	124454095	T/C	0.026	0.026	-0.003	0.031	0.917	19.708
rs2235529	ebi-a-GCST90027161	1	22450487	T/C	0.163	0.163	-0.003	0.014	0.811	21.793
rs1851438	ebi-a-GCST90027161	7	54640917	A/G	0.197	0.197	-0.007	0.013	0.606	20.041
rs12694255	ebi-a-GCST90027161	2	212851127	T/C	0.528	0.472	-0.007	0.010	0.479	20.854
rs147068421	ebi-a-GCST90027161	5	99652333	T/C	0.962	0.038	-0.009	0.027	0.731	20.273
rs117567382	ebi-a-GCST90027161	8	77748198	T/C	0.957	0.043	-0.014	0.024	0.556	21.146
rs72834972	ebi-a-GCST90027161	2	122945653	A/G	0.120	0.120	-0.018	0.015	0.240	19.596
rs12984643	ebi-a-GCST90027161	19	14353096	T/G	0.831	0.169	-0.027	0.014	0.051	20.001
rs117613801	ebi-a-GCST90027161	21	28443339	A/G	0.989	0.011	-0.030	0.066	0.649	19.726
rs102274	ebi-a-GCST90027161	11	61557826	T/C	0.630	0.370	-0.034	0.010	0.001	34.052
rs116880350	ebi-a-GCST90027161	13	56089954	T/G	0.980	0.020	-0.042	0.035	0.228	21.773
rs78976332	ebi-a-GCST90027161	3	158014278	A/G	0.987	0.014	-0.051	0.054	0.340	20.080

PC ae C30:0

rs143783541	ebi-a-GCST90027161	7	472718	T/C	0.003	0.003	0.048	0.085	0.569	21.477
rs75966684	ebi-a-GCST90027161	5	95062443	A/G	0.969	0.031	0.027	0.028	0.339	21.420
rs6929400	ebi-a-GCST90027161	6	11774792	T/C	0.636	0.364	0.025	0.011	0.022	21.468
rs61797506	ebi-a-GCST90027161	4	13751524	T/C	0.012	0.012	0.019	0.049	0.704	24.578
rs78605789	ebi-a-GCST90027161	15	83383231	A/G	0.976	0.024	0.016	0.033	0.626	20.445
rs12995850	ebi-a-GCST90027161	2	29574182	A/G	0.184	0.184	0.015	0.013	0.260	19.958
rs2070895	ebi-a-GCST90027161	15	58723939	A/G	0.236	0.236	0.013	0.012	0.259	22.945
rs73025190	ebi-a-GCST90027161	11	127995874	A/G	0.841	0.159	0.010	0.014	0.461	21.074
rs112818587	ebi-a-GCST90027161	5	30294544	T/C	0.981	0.019	0.008	0.046	0.865	21.201
rs12493061	ebi-a-GCST90027161	3	128522922	A/C	0.971	0.029	0.007	0.036	0.859	22.115
rs556929	ebi-a-GCST90027161	3	10537570	T/C	0.636	0.365	0.006	0.011	0.606	20.340
rs16897511	ebi-a-GCST90027161	5	67526313	A/C	0.781	0.219	0.005	0.013	0.693	20.594
rs11765754	ebi-a-GCST90027161	7	32306724	A/G	0.410	0.410	0.004	0.011	0.706	19.924
rs6898540	ebi-a-GCST90027161	5	124989532	A/G	0.723	0.277	-0.001	0.011	0.952	20.198
rs2414577	ebi-a-GCST90027161	15	58680638	T/C	0.606	0.394	-0.005	0.010	0.603	20.430
rs74197776	ebi-a-GCST90027161	8	79656182	A/C	0.060	0.060	-0.007	0.021	0.756	19.588
rs151125173	ebi-a-GCST90027161	22	44688211	A/G	0.980	0.020	-0.009	0.037	0.807	19.740
rs17808709	ebi-a-GCST90027161	7	9744170	T/C	0.738	0.262	-0.012	0.012	0.306	22.241
rs12933230	ebi-a-GCST90027161	16	7820539	T/C	0.287	0.287	-0.020	0.011	0.079	22.936
rs113101598	ebi-a-GCST90027161	10	122094681	T/G	0.977	0.023	-0.036	0.034	0.294	19.860
rs146650745	ebi-a-GCST90027161	17	46267571	T/C	0.022	0.022	-0.040	0.035	0.254	20.755
rs115423847	ebi-a-GCST90027161	2	39847604	T/C	0.019	0.019	-0.081	0.033	0.016	20.653
PC ae C30:1										
rs12480247	ebi-a-GCST90027161	20	58668546	T/C	0.007	0.007	0.086	0.061	0.159	21.794
rs74342381	ebi-a-GCST90027161	2	39476217	T/C	0.980	0.020	0.039	0.036	0.273	19.646
rs59244012	ebi-a-GCST90027161	4	79474819	A/G	0.902	0.098	0.032	0.016	0.054	19.654
rs11580304	ebi-a-GCST90027161	1	18055720	A/G	0.191	0.191	0.016	0.013	0.239	22.683
rs117337712	ebi-a-GCST90027161	20	58296844	A/G	0.968	0.033	0.016	0.031	0.611	20.843
rs3017678	ebi-a-GCST90027161	4	105444903	A/G	0.110	0.110	0.012	0.017	0.462	20.250
rs4080665	ebi-a-GCST90027161	10	49687800	A/G	0.861	0.139	0.012	0.015	0.426	24.023
rs8028103	ebi-a-GCST90027161	15	60608857	T/C	0.556	0.444	0.010	0.010	0.310	19.645
rs6709199	ebi-a-GCST90027161	2	124148714	A/G	0.067	0.067	0.006	0.021	0.772	24.430
rs16897511	ebi-a-GCST90027161	5	67526313	A/C	0.781	0.219	0.005	0.013	0.693	21.672

rs6044886	ebi-a-GCST90027161	20	17550045	T/C	0.308	0.308	0.001	0.011	0.941	20.970
rs6598240	ebi-a-GCST90027161	15	99922735	A/G	0.740	0.260	-0.006	0.012	0.608	24.588
rs1972349	ebi-a-GCST90027161	9	126757862	T/C	0.303	0.303	-0.010	0.011	0.386	22.673
rs61954080	ebi-a-GCST90027161	13	59759759	A/G	0.333	0.333	-0.021	0.011	0.057	19.741
rs174541	ebi-a-GCST90027161	11	61565908	T/C	0.612	0.388	-0.033	0.010	0.001	39.818
rs76709192	ebi-a-GCST90027161	2	161242406	A/G	0.017	0.017	-0.034	0.045	0.451	19.633
PC ae C30:2										
rs11012827	ebi-a-GCST90027161	10	18442106	A/G	0.980	0.020	0.045	0.042	0.289	22.335
rs139183091	ebi-a-GCST90027161	7	45464441	T/C	0.983	0.017	0.034	0.047	0.473	19.837
rs17448174	ebi-a-GCST90027161	9	121315863	A/G	0.935	0.066	0.023	0.023	0.303	20.790
rs2242899	ebi-a-GCST90027161	21	36443034	A/G	0.332	0.332	0.018	0.011	0.109	22.670
rs4257246	ebi-a-GCST90027161	17	48990275	A/G	0.031	0.031	0.014	0.032	0.659	21.771
rs9945063	ebi-a-GCST90027161	18	57715608	T/C	0.241	0.241	0.014	0.012	0.224	21.318
rs4902250	ebi-a-GCST90027161	14	64343703	T/C	0.103	0.103	0.014	0.017	0.413	21.682
rs62148117	ebi-a-GCST90027161	2	100885083	T/C	0.180	0.180	0.014	0.014	0.331	19.848
rs4243243	ebi-a-GCST90027161	17	77755071	A/C	0.172	0.172	0.013	0.014	0.348	20.940
rs310022	ebi-a-GCST90027161	16	81421977	T/G	0.306	0.306	0.006	0.011	0.580	20.082
rs76498567	ebi-a-GCST90027161	13	98809338	T/C	0.014	0.014	0.005	0.051	0.917	21.358
rs10959289	ebi-a-GCST90027161	9	10777656	T/C	0.282	0.282	0.003	0.011	0.820	21.149
rs8142399	ebi-a-GCST90027161	22	47026852	T/C	0.166	0.166	-0.005	0.017	0.791	19.994
rs10216521	ebi-a-GCST90027161	8	116234763	T/G	0.557	0.443	-0.005	0.010	0.660	22.134
rs8024593	ebi-a-GCST90027161	15	99170496	A/G	0.917	0.083	-0.033	0.019	0.090	19.975
rs17375044	ebi-a-GCST90027161	11	35216900	A/G	0.042	0.042	-0.035	0.029	0.226	21.659
rs114665818	ebi-a-GCST90027161	1	112340780	T/C	0.037	0.037	-0.039	0.028	0.167	23.325
PC ae C32:1										
rs142857414	ebi-a-GCST90027161	2	39853011	T/C	0.981	0.019	0.081	0.033	0.015	21.843
rs76136208	ebi-a-GCST90027161	22	21385277	T/C	0.021	0.021	0.047	0.033	0.158	26.589
rs56156922	ebi-a-GCST90027161	16	56987369	T/C	0.691	0.309	0.023	0.011	0.039	56.489
rs4754166	ebi-a-GCST90027161	11	106592619	T/C	0.534	0.466	0.017	0.010	0.099	19.527
rs78605789	ebi-a-GCST90027161	15	83383231	A/G	0.976	0.024	0.016	0.033	0.626	21.576
rs12275368	ebi-a-GCST90027161	11	9667828	A/G	0.625	0.375	0.005	0.011	0.668	19.467
rs142021190	ebi-a-GCST90027161	18	11648561	A/C	0.995	0.005	-0.002	0.061	0.980	23.733
rs1885041	ebi-a-GCST90027161	14	67976325	T/C	0.473	0.473	-0.003	0.010	0.774	148.473

rs72634133	ebi-a-GCST90027161	8	36727428	T/C	0.021	0.021	-0.004	0.034	0.901	21.934
rs116925005	ebi-a-GCST90027161	12	75199263	T/C	0.937	0.063	-0.005	0.022	0.822	20.035
rs415799	ebi-a-GCST90027161	15	58690754	A/G	0.476	0.476	-0.007	0.010	0.508	45.424
rs6564966	ebi-a-GCST90027161	16	82143109	T/C	0.939	0.061	-0.012	0.022	0.591	23.416
rs711024	ebi-a-GCST90027161	8	85394008	A/C	0.107	0.107	-0.013	0.016	0.389	23.151
rs35733148	ebi-a-GCST90027161	12	92239365	T/C	0.194	0.194	-0.014	0.014	0.294	21.528
rs146373622	ebi-a-GCST90027161	14	35149755	T/G	0.013	0.013	-0.019	0.051	0.710	20.525
rs35652871	ebi-a-GCST90027161	5	159409578	T/C	0.952	0.048	-0.044	0.027	0.103	24.055
PC ae C32:2										
rs111528470	ebi-a-GCST90027161	3	82842429	T/G	0.975	0.025	0.022	0.031	0.481	20.672
rs3872656	ebi-a-GCST90027161	3	292958	A/C	0.387	0.387	0.015	0.011	0.143	23.383
rs2927619	ebi-a-GCST90027161	5	96182717	A/G	0.681	0.319	0.010	0.011	0.371	24.222
rs71450442	ebi-a-GCST90027161	12	24700316	A/G	0.123	0.123	0.009	0.021	0.674	20.996
rs12187616	ebi-a-GCST90027161	5	107154947	T/G	0.252	0.252	0.003	0.012	0.823	22.166
rs2600570	ebi-a-GCST90027161	2	134363452	T/G	0.831	0.169	-0.005	0.014	0.748	23.078
rs4128155	ebi-a-GCST90027161	3	178660333	A/G	0.551	0.449	-0.005	0.010	0.601	21.262
rs415799	ebi-a-GCST90027161	15	58690754	A/G	0.476	0.476	-0.007	0.010	0.508	34.434
rs10891629	ebi-a-GCST90027161	11	113958177	T/G	0.358	0.358	-0.008	0.011	0.480	19.667
rs62337621	ebi-a-GCST90027161	4	160368253	A/G	0.045	0.045	-0.009	0.023	0.700	21.296
rs9531539	ebi-a-GCST90027161	13	84592699	A/G	0.666	0.334	-0.009	0.011	0.429	20.219
rs6546212	ebi-a-GCST90027161	2	66371658	T/G	0.091	0.091	-0.013	0.017	0.456	20.145
rs4663148	ebi-a-GCST90027161	2	235481983	T/C	0.018	0.018	-0.013	0.038	0.724	21.741
rs141332176	ebi-a-GCST90027161	20	31602162	T/G	0.012	0.012	-0.020	0.051	0.690	19.835
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	20.192
rs12614172	ebi-a-GCST90027161	2	20711512	T/G	0.193	0.193	-0.026	0.013	0.042	20.880
rs150717224	ebi-a-GCST90027161	15	83464980	T/C	0.044	0.044	-0.031	0.023	0.180	23.849
rs2732148	ebi-a-GCST90027161	8	71861536	A/G	0.053	0.053	-0.038	0.024	0.105	20.102
PC ae C34:0										
rs62151070	ebi-a-GCST90027161	2	81141506	A/C	0.042	0.042	0.022	0.022	0.323	21.692
rs4328381	ebi-a-GCST90027161	15	94230733	A/C	0.458	0.458	0.017	0.010	0.103	19.915
rs209709	ebi-a-GCST90027161	1	22877813	A/G	0.844	0.156	0.016	0.014	0.240	23.031
rs78605789	ebi-a-GCST90027161	15	83383231	A/G	0.976	0.024	0.016	0.033	0.626	20.260
rs17160709	ebi-a-GCST90027161	5	107237203	T/C	0.213	0.213	0.015	0.013	0.244	20.126

rs12596182	ebi-a-GCST90027161	16	90022603	T/C	0.070	0.070	0.014	0.019	0.476	19.704
rs74379976	ebi-a-GCST90027161	4	54710278	A/G	0.031	0.031	0.011	0.030	0.718	26.469
rs11858759	ebi-a-GCST90027161	15	58676821	A/G	0.315	0.315	0.009	0.011	0.421	21.103
rs10959379	ebi-a-GCST90027161	9	1102569	A/C	0.726	0.274	0.003	0.012	0.812	20.335
rs2098683	ebi-a-GCST90027161	19	51063679	A/G	0.724	0.276	0.003	0.012	0.821	20.516
rs566577	ebi-a-GCST90027161	5	152907065	T/C	0.903	0.097	0.002	0.018	0.920	19.701
rs2213431	ebi-a-GCST90027161	22	37639087	T/C	0.610	0.390	0.001	0.011	0.934	20.694
rs73595010	ebi-a-GCST90027161	11	134428126	T/C	0.087	0.087	0.000	0.021	0.996	20.959
rs649612	ebi-a-GCST90027161	6	79188906	A/G	0.602	0.398	-0.002	0.010	0.885	21.980
rs1975136	ebi-a-GCST90027161	2	43932900	A/G	0.927	0.073	-0.003	0.020	0.869	21.734
rs56031279	ebi-a-GCST90027161	5	133249364	A/G	0.178	0.178	-0.008	0.013	0.544	21.669
rs1020993	ebi-a-GCST90027161	4	175973814	T/C	0.160	0.160	-0.009	0.015	0.564	19.963
rs2901412	ebi-a-GCST90027161	2	73347285	A/G	0.108	0.108	-0.009	0.016	0.584	26.432
rs1460578	ebi-a-GCST90027161	8	106180874	A/G	0.574	0.426	-0.012	0.010	0.241	20.191
PC ae C34:1										
rs11740563	ebi-a-GCST90027161	5	172314214	A/G	0.034	0.034	0.056	0.029	0.059	19.564
rs76136208	ebi-a-GCST90027161	22	21385277	T/C	0.021	0.021	0.047	0.033	0.158	20.828
rs149011512	ebi-a-GCST90027161	11	107450939	A/G	0.052	0.052	0.037	0.022	0.090	21.026
rs261332	ebi-a-GCST90027161	15	58727325	A/G	0.202	0.202	0.026	0.013	0.044	23.973
rs1352941	ebi-a-GCST90027161	3	27368425	T/C	0.428	0.428	0.022	0.014	0.116	22.894
rs78605789	ebi-a-GCST90027161	15	83383231	A/G	0.976	0.024	0.016	0.033	0.626	23.873
rs851800	ebi-a-GCST90027161	8	59939182	A/C	0.123	0.123	0.014	0.015	0.360	20.856
rs55815909	ebi-a-GCST90027161	3	103796538	T/C	0.298	0.298	0.008	0.011	0.489	20.167
rs35767496	ebi-a-GCST90027161	7	86703481	T/G	0.964	0.036	0.005	0.029	0.862	23.255
rs2213431	ebi-a-GCST90027161	22	37639087	T/C	0.610	0.390	0.001	0.011	0.934	21.716
rs6921643	ebi-a-GCST90027161	6	169208160	T/C	0.102	0.102	-0.002	0.017	0.914	19.850
rs9742458	ebi-a-GCST90027161	13	53365383	T/C	0.217	0.217	-0.003	0.012	0.813	24.505
rs4949718	ebi-a-GCST90027161	1	76899464	T/C	0.389	0.389	-0.005	0.011	0.667	19.612
rs4953063	ebi-a-GCST90027161	2	44319733	A/G	0.473	0.473	-0.006	0.010	0.585	19.943
rs1601935	ebi-a-GCST90027161	15	58671765	T/G	0.644	0.356	-0.015	0.011	0.164	36.157
rs139801775	ebi-a-GCST90027161	12	83620175	T/C	0.010	0.010	-0.065	0.043	0.131	21.363
PC ae C34:2										
rs146958636	ebi-a-GCST90027161	4	158587510	T/G	0.028	0.028	0.064	0.032	0.047	19.615

rs73215162	ebi-a-GCST90027161	4	33092291	A/C	0.025	0.025	0.032	0.037	0.389	20.919
rs2637738	ebi-a-GCST90027161	4	38544528	T/C	0.374	0.374	0.024	0.011	0.023	24.732
rs2899240	ebi-a-GCST90027161	22	35477265	A/G	0.534	0.466	0.010	0.010	0.342	29.874
rs72641538	ebi-a-GCST90027161	8	40654171	T/C	0.059	0.059	0.009	0.023	0.706	20.696
rs11651982	ebi-a-GCST90027161	17	77318900	T/C	0.519	0.481	0.007	0.010	0.501	28.069
rs72846951	ebi-a-GCST90027161	17	8600125	T/C	0.602	0.398	0.004	0.011	0.698	19.706
rs2213431	ebi-a-GCST90027161	22	37639087	T/C	0.610	0.390	0.001	0.011	0.934	24.146
rs6933835	ebi-a-GCST90027161	6	167085720	A/G	0.571	0.429	0.000	0.010	0.981	22.013
rs11639667	ebi-a-GCST90027161	16	5812004	T/G	0.975	0.025	-0.001	0.041	0.986	20.308
rs6996154	ebi-a-GCST90027161	8	129866374	A/G	0.228	0.228	-0.004	0.012	0.732	20.453
rs10992221	ebi-a-GCST90027161	9	94832043	A/G	0.126	0.126	-0.005	0.015	0.756	20.014
rs2414577	ebi-a-GCST90027161	15	58680638	T/C	0.606	0.394	-0.005	0.010	0.603	23.872
rs75362875	ebi-a-GCST90027161	2	240894300	A/G	0.073	0.073	-0.020	0.019	0.307	23.164
rs173539	ebi-a-GCST90027161	16	56988044	T/C	0.314	0.314	-0.020	0.011	0.065	31.769
rs150347712	ebi-a-GCST90027161	6	165993005	T/C	0.025	0.025	-0.021	0.029	0.463	20.822
rs148099778	ebi-a-GCST90027161	2	215954855	A/C	0.013	0.013	-0.024	0.052	0.644	21.054
rs174564	ebi-a-GCST90027161	11	61588305	A/G	0.628	0.372	-0.035	0.010	0.001	94.840
rs142184330	ebi-a-GCST90027161	1	79436914	T/C	0.004	0.004	-0.044	0.067	0.509	22.113
rs12036397	ebi-a-GCST90027161	1	162859546	T/C	0.010	0.010	-0.077	0.053	0.147	19.609
PC ae C34:3										
rs118011990	ebi-a-GCST90027161	9	130138015	A/G	0.978	0.022	0.081	0.040	0.045	20.048
rs17614758	ebi-a-GCST90027161	1	73209909	A/G	0.869	0.131	0.036	0.015	0.017	22.283
rs79417857	ebi-a-GCST90027161	2	145618858	A/G	0.031	0.031	0.031	0.033	0.338	21.237
rs146644312	ebi-a-GCST90027161	16	6825062	T/C	0.068	0.068	0.027	0.022	0.224	19.784
rs146789791	ebi-a-GCST90027161	1	54330591	A/G	0.990	0.010	0.027	0.065	0.677	19.824
rs115460256	ebi-a-GCST90027161	2	192162118	T/G	0.985	0.015	0.023	0.044	0.592	20.158
rs10799451	ebi-a-GCST90027161	1	227988856	T/C	0.041	0.041	0.022	0.027	0.410	21.211
rs12828617	ebi-a-GCST90027161	12	94026421	A/G	0.027	0.027	0.013	0.029	0.663	21.301
rs59522167	ebi-a-GCST90027161	4	117440350	T/C	0.822	0.178	0.012	0.014	0.376	20.720
rs2899240	ebi-a-GCST90027161	22	35477265	A/G	0.534	0.466	0.010	0.010	0.342	23.983
rs11651982	ebi-a-GCST90027161	17	77318900	T/C	0.519	0.481	0.007	0.010	0.501	23.244
rs7852067	ebi-a-GCST90027161	9	94815594	A/G	0.874	0.126	0.005	0.015	0.763	20.427
rs826419	ebi-a-GCST90027161	8	59935884	A/G	0.089	0.089	0.002	0.017	0.911	22.306

rs4980909	ebi-a-GCST90027161	12	556297	A/G	0.299	0.299	0.002	0.011	0.875	20.278
rs975658	ebi-a-GCST90027161	6	113369492	A/C	0.274	0.274	0.001	0.011	0.939	21.203
rs1883025	ebi-a-GCST90027161	9	107664301	T/C	0.226	0.226	-0.002	0.013	0.862	21.815
rs2600570	ebi-a-GCST90027161	2	134363452	T/G	0.831	0.169	-0.005	0.014	0.748	21.763
rs2414577	ebi-a-GCST90027161	15	58680638	T/C	0.606	0.394	-0.005	0.010	0.603	34.644
rs7620695	ebi-a-GCST90027161	3	178617522	T/C	0.660	0.340	-0.008	0.011	0.459	23.255
rs173539	ebi-a-GCST90027161	16	56988044	T/C	0.314	0.314	-0.020	0.011	0.065	45.519
PC ae C36:0										
rs138867393	ebi-a-GCST90027161	14	47123127	T/C	0.013	0.013	0.031	0.046	0.494	21.109
rs116093113	ebi-a-GCST90027161	3	36926205	T/C	0.028	0.028	0.025	0.033	0.451	20.949
rs13490	ebi-a-GCST90027161	1	230416760	A/G	0.840	0.160	0.021	0.018	0.241	22.154
rs78054795	ebi-a-GCST90027161	12	92009662	A/G	0.974	0.026	0.013	0.029	0.661	20.170
rs7189943	ebi-a-GCST90027161	16	57534258	A/C	0.907	0.093	0.012	0.018	0.496	21.934
rs4747974	ebi-a-GCST90027161	10	12357166	T/C	0.396	0.396	-0.006	0.011	0.610	25.519
rs56081869	ebi-a-GCST90027161	3	21520730	T/C	0.146	0.146	-0.006	0.015	0.717	20.294
rs937643	ebi-a-GCST90027161	12	130636925	A/C	0.604	0.396	-0.009	0.011	0.384	19.986
rs56158624	ebi-a-GCST90027161	11	105647087	A/G	0.017	0.017	-0.010	0.044	0.813	21.038
rs411560	ebi-a-GCST90027161	19	47603285	T/C	0.887	0.113	-0.016	0.016	0.299	20.303
rs12205898	ebi-a-GCST90027161	6	68809341	A/G	0.856	0.144	-0.022	0.015	0.135	23.816
rs841568	ebi-a-GCST90027161	1	43468555	A/G	0.123	0.123	-0.029	0.015	0.059	20.766
rs141124674	ebi-a-GCST90027161	1	79365010	A/G	0.004	0.004	-0.044	0.067	0.510	23.633
rs79878702	ebi-a-GCST90027161	11	76173446	A/G	0.979	0.021	-0.054	0.033	0.103	21.183
PC ae C36:1										
rs73001232	ebi-a-GCST90027161	2	231910009	T/G	0.371	0.371	0.023	0.011	0.034	19.791
rs12138259	ebi-a-GCST90027161	1	82806681	A/G	0.972	0.028	0.017	0.029	0.543	28.211
rs142324103	ebi-a-GCST90027161	10	98550571	T/G	0.055	0.055	0.014	0.029	0.632	20.756
rs8192708	ebi-a-GCST90027161	20	56138621	A/G	0.896	0.104	0.012	0.017	0.485	20.250
rs112467382	ebi-a-GCST90027161	11	16957588	A/G	0.020	0.020	0.003	0.036	0.928	20.758
rs72868716	ebi-a-GCST90027161	17	74163247	T/C	0.077	0.077	0.000	0.020	0.987	22.928
rs10808465	ebi-a-GCST90027161	8	114870686	A/C	0.434	0.434	-0.002	0.010	0.874	20.403
rs2179990	ebi-a-GCST90027161	6	15034289	T/C	0.509	0.491	-0.002	0.011	0.836	20.004
rs1975136	ebi-a-GCST90027161	2	43932900	A/G	0.927	0.073	-0.003	0.020	0.869	23.488
rs72855586	ebi-a-GCST90027161	2	130352759	A/G	0.975	0.025	-0.004	0.036	0.921	21.974

rs11127048	ebi-a-GCST90027161	2	27752463	A/G	0.618	0.382	-0.006	0.010	0.555	24.075
rs12342670	ebi-a-GCST90027161	9	137166270	T/C	0.811	0.189	-0.009	0.014	0.534	22.845
rs78888405	ebi-a-GCST90027161	4	106230119	T/G	0.059	0.059	-0.018	0.020	0.370	20.812
rs75694954	ebi-a-GCST90027161	4	109043711	A/G	0.155	0.155	-0.020	0.014	0.135	23.211
rs80055410	ebi-a-GCST90027161	2	71195216	T/C	0.986	0.014	-0.032	0.052	0.541	22.625
rs13383222	ebi-a-GCST90027161	2	36202697	T/C	0.986	0.014	-0.038	0.050	0.445	20.235
rs118014644	ebi-a-GCST90027161	7	92595908	T/G	0.013	0.013	-0.056	0.055	0.303	23.316
PC ae C36:2										
rs60805730	ebi-a-GCST90027161	5	39424163	A/G	0.991	0.009	0.067	0.070	0.337	21.339
rs62179998	ebi-a-GCST90027161	2	205094723	A/G	0.037	0.037	0.052	0.026	0.041	21.391
rs116957980	ebi-a-GCST90027161	15	83827296	T/C	0.948	0.053	0.044	0.022	0.043	25.721
rs12138259	ebi-a-GCST90027161	1	82806681	A/G	0.972	0.028	0.017	0.029	0.543	19.727
rs10026196	ebi-a-GCST90027161	4	108734181	T/C	0.878	0.122	0.017	0.016	0.270	20.070
rs10889333	ebi-a-GCST90027161	1	62957030	A/G	0.317	0.317	0.010	0.011	0.381	25.330
rs1533104	ebi-a-GCST90027161	12	71656547	T/C	0.340	0.340	0.005	0.011	0.675	20.760
rs71527486	ebi-a-GCST90027161	7	4359268	A/G	0.824	0.176	0.002	0.013	0.883	20.030
rs1552762	ebi-a-GCST90027161	10	11723123	A/G	0.154	0.154	0.001	0.014	0.931	20.532
rs112522232	ebi-a-GCST90027161	13	89955988	T/C	0.987	0.013	-0.002	0.044	0.959	20.171
rs72636315	ebi-a-GCST90027161	13	84377041	A/G	0.033	0.033	-0.003	0.031	0.936	23.279
rs2414577	ebi-a-GCST90027161	15	58680638	T/C	0.606	0.394	-0.005	0.010	0.603	23.339
rs12554166	ebi-a-GCST90027161	9	100979270	A/G	0.209	0.209	-0.006	0.012	0.637	20.376
rs145107049	ebi-a-GCST90027161	15	98005570	T/C	0.019	0.019	-0.006	0.036	0.872	20.290
rs187956966	ebi-a-GCST90027161	1	209315455	T/C	0.024	0.024	-0.013	0.048	0.792	20.974
rs174564	ebi-a-GCST90027161	11	61588305	A/G	0.628	0.372	-0.035	0.010	0.001	98.049
rs142184330	ebi-a-GCST90027161	1	79436914	T/C	0.004	0.004	-0.044	0.067	0.509	19.523
PC ae C36:3										
rs2531713	ebi-a-GCST90027161	22	20024174	A/G	0.036	0.036	0.062	0.026	0.017	20.139
rs116957980	ebi-a-GCST90027161	15	83827296	T/C	0.948	0.053	0.044	0.022	0.043	19.764
rs116082230	ebi-a-GCST90027161	3	105501534	A/G	0.019	0.019	0.035	0.036	0.332	19.929
rs138867393	ebi-a-GCST90027161	14	47123127	T/C	0.013	0.013	0.031	0.046	0.494	25.067
rs55748474	ebi-a-GCST90027161	3	72587822	A/G	0.021	0.021	0.027	0.043	0.530	19.541
rs115276451	ebi-a-GCST90027161	4	48588858	T/C	0.977	0.024	0.016	0.035	0.640	19.868
rs397478	ebi-a-GCST90027161	22	22728476	A/C	0.457	0.457	0.011	0.011	0.356	22.207

rs2504222	ebi-a-GCST90027161	13	28517396	A/C	0.146	0.146	0.007	0.014	0.622	23.269
rs11651982	ebi-a-GCST90027161	17	77318900	T/C	0.519	0.481	0.007	0.010	0.501	27.510
rs545246	ebi-a-GCST90027161	9	136644532	A/G	0.257	0.257	0.005	0.012	0.686	21.705
rs71434808	ebi-a-GCST90027161	13	76374056	A/G	0.962	0.038	0.004	0.028	0.900	20.187
rs74400057	ebi-a-GCST90027161	4	4389873	T/C	0.011	0.011	0.003	0.055	0.955	23.614
rs2213431	ebi-a-GCST90027161	22	37639087	T/C	0.610	0.390	0.001	0.011	0.934	19.629
rs7686233	ebi-a-GCST90027161	4	186590237	T/G	0.702	0.298	-0.001	0.011	0.953	23.787
rs11639667	ebi-a-GCST90027161	16	5812004	T/G	0.975	0.025	-0.001	0.041	0.986	20.145
rs143695455	ebi-a-GCST90027161	4	58802870	T/G	0.980	0.020	-0.001	0.039	0.975	21.831
rs11839116	ebi-a-GCST90027161	13	23439668	A/G	0.379	0.379	-0.002	0.011	0.828	19.785
rs28472536	ebi-a-GCST90027161	3	178664147	T/C	0.551	0.450	-0.005	0.010	0.638	29.609
rs2414577	ebi-a-GCST90027161	15	58680638	T/C	0.606	0.394	-0.005	0.010	0.603	29.699
rs3811663	ebi-a-GCST90027161	3	133615140	T/G	0.219	0.219	-0.006	0.012	0.614	21.302
rs61991164	ebi-a-GCST90027161	14	80561383	T/C	0.341	0.341	-0.007	0.011	0.520	19.759
rs648883	ebi-a-GCST90027161	1	59979255	A/C	0.129	0.129	-0.010	0.016	0.524	19.905
rs2740792	ebi-a-GCST90027161	8	91997679	A/G	0.289	0.289	-0.011	0.011	0.322	20.499
rs1077835	ebi-a-GCST90027161	15	58723426	A/G	0.764	0.236	-0.013	0.012	0.278	24.500
rs173539	ebi-a-GCST90027161	16	56988044	T/C	0.314	0.314	-0.020	0.011	0.065	30.896
rs61968060	ebi-a-GCST90027161	13	105176943	T/C	0.966	0.034	-0.022	0.030	0.472	20.446
rs80047555	ebi-a-GCST90027161	2	216858592	T/C	0.622	0.379	-0.023	0.011	0.041	23.814
rs7487735	ebi-a-GCST90027161	12	68652352	A/G	0.017	0.017	-0.029	0.037	0.428	20.499
rs140073976	ebi-a-GCST90027161	1	79285194	A/G	0.004	0.004	-0.029	0.069	0.671	20.410
rs13011605	ebi-a-GCST90027161	2	46158345	T/C	0.919	0.081	-0.031	0.019	0.097	19.617
rs337639	ebi-a-GCST90027161	4	38607248	A/G	0.159	0.159	-0.035	0.014	0.010	19.593
rs141082203	ebi-a-GCST90027161	13	48093663	T/C	0.992	0.008	-0.068	0.080	0.392	21.219
PC ae C36:4										
rs186093378	ebi-a-GCST90027161	2	138299052	T/C	0.990	0.011	0.034	0.049	0.483	19.645
rs11236555	ebi-a-GCST90027161	11	75551090	T/C	0.090	0.090	0.023	0.017	0.165	21.096
rs2471320	ebi-a-GCST90027161	7	139915120	T/C	0.944	0.056	0.022	0.022	0.304	20.887
rs62576800	ebi-a-GCST90027161	9	90600335	T/C	0.978	0.022	0.022	0.036	0.543	20.831
rs138280242	ebi-a-GCST90027161	8	91455617	A/C	0.017	0.017	0.022	0.040	0.586	19.888
rs61965961	ebi-a-GCST90027161	13	105178093	T/C	0.034	0.034	0.021	0.030	0.492	19.628
rs7844836	ebi-a-GCST90027161	8	66155399	T/C	0.253	0.253	0.015	0.012	0.192	20.041

rs397478	ebi-a-GCST90027161	22	22728476	A/C	0.457	0.457	0.011	0.011	0.356	20.805
rs28564120	ebi-a-GCST90027161	10	70330410	A/G	0.750	0.250	0.009	0.011	0.452	20.770
rs79677312	ebi-a-GCST90027161	1	205611143	A/G	0.945	0.055	0.006	0.023	0.784	21.839
rs34377172	ebi-a-GCST90027161	11	101577077	T/C	0.906	0.094	0.006	0.018	0.757	19.867
rs74615286	ebi-a-GCST90027161	11	87014996	A/G	0.956	0.044	-0.001	0.022	0.960	21.187
rs7373934	ebi-a-GCST90027161	3	38695708	A/G	0.765	0.235	-0.002	0.012	0.854	22.056
rs4723985	ebi-a-GCST90027161	7	40936097	T/C	0.298	0.298	-0.004	0.012	0.750	19.683
rs62356490	ebi-a-GCST90027161	5	8000565	T/G	0.543	0.457	-0.007	0.010	0.474	21.949
rs72741490	ebi-a-GCST90027161	15	73948162	T/C	0.059	0.059	-0.009	0.021	0.658	20.262
rs5755550	ebi-a-GCST90027161	22	35450304	T/C	0.518	0.483	-0.010	0.010	0.347	25.975
rs79525993	ebi-a-GCST90027161	5	168773607	A/G	0.981	0.019	-0.010	0.039	0.788	19.650
rs149993641	ebi-a-GCST90027161	19	908061	A/G	0.161	0.161	-0.019	0.014	0.182	23.492
rs7742249	ebi-a-GCST90027161	6	112609597	T/G	0.968	0.032	-0.019	0.025	0.446	20.772
rs12149545	ebi-a-GCST90027161	16	56993161	A/G	0.301	0.301	-0.020	0.011	0.074	23.758
rs7145205	ebi-a-GCST90027161	14	99534524	T/G	0.027	0.027	-0.022	0.033	0.515	20.434
rs72772830	ebi-a-GCST90027161	10	347054	T/C	0.063	0.063	-0.022	0.023	0.333	24.869
rs4109437	ebi-a-GCST90027161	4	190769223	A/G	0.032	0.032	-0.031	0.039	0.421	21.515
rs970657	ebi-a-GCST90027161	20	11707888	A/C	0.202	0.202	-0.033	0.036	0.359	19.592
rs141290426	ebi-a-GCST90027161	1	229057956	A/G	0.023	0.023	-0.044	0.036	0.225	24.150
rs114787073	ebi-a-GCST90027161	3	130754741	T/C	0.021	0.021	-0.057	0.035	0.103	21.020
PC ae C36:5										
rs115271243	ebi-a-GCST90027161	4	131451479	T/C	0.963	0.037	0.046	0.022	0.039	19.975
rs10899137	ebi-a-GCST90027161	11	75535960	T/C	0.089	0.089	0.025	0.017	0.146	23.808
rs62576800	ebi-a-GCST90027161	9	90600335	T/C	0.978	0.022	0.022	0.036	0.543	20.240
rs138280242	ebi-a-GCST90027161	8	91455617	A/C	0.017	0.017	0.022	0.040	0.586	21.129
rs79074363	ebi-a-GCST90027161	8	119095917	T/C	0.988	0.012	0.020	0.046	0.661	22.058
rs80084251	ebi-a-GCST90027161	4	59077864	T/C	0.969	0.031	0.017	0.027	0.538	20.557
rs62117224	ebi-a-GCST90027161	19	45524679	A/G	0.366	0.366	0.010	0.011	0.337	22.488
rs2051651	ebi-a-GCST90027161	6	112561430	T/G	0.964	0.036	0.008	0.030	0.776	20.850
rs77464738	ebi-a-GCST90027161	8	121654100	A/G	0.969	0.031	0.004	0.033	0.901	21.919
rs2453566	ebi-a-GCST90027161	1	2302516	T/C	0.537	0.463	0.001	0.010	0.949	24.400
rs145693554	ebi-a-GCST90027161	11	87046303	A/G	0.045	0.045	-0.001	0.022	0.979	19.880
rs2980868	ebi-a-GCST90027161	8	126488235	T/C	0.483	0.483	-0.001	0.010	0.887	19.568

rs823118	ebi-a-GCST90027161	1	205723572	T/C	0.558	0.442	-0.003	0.010	0.789	20.898
rs1885041	ebi-a-GCST90027161	14	67976325	T/C	0.473	0.473	-0.003	0.010	0.774	113.827
rs10139958	ebi-a-GCST90027161	14	91856340	T/C	0.808	0.192	-0.007	0.014	0.628	20.618
rs62356490	ebi-a-GCST90027161	5	8000565	T/G	0.543	0.457	-0.007	0.010	0.474	23.040
rs80077417	ebi-a-GCST90027161	2	49923036	A/C	0.900	0.100	-0.009	0.016	0.566	19.873
rs142553966	ebi-a-GCST90027161	2	123792323	A/G	0.024	0.024	-0.015	0.027	0.578	23.889
rs12361904	ebi-a-GCST90027161	11	127703110	A/G	0.844	0.156	-0.016	0.014	0.256	20.145
rs7145205	ebi-a-GCST90027161	14	99534524	T/G	0.027	0.027	-0.022	0.033	0.515	20.577
rs12446515	ebi-a-GCST90027161	16	56987015	T/C	0.308	0.308	-0.022	0.011	0.048	28.016
rs17307215	ebi-a-GCST90027161	11	24854535	T/G	0.070	0.070	-0.028	0.020	0.157	20.733
rs142184330	ebi-a-GCST90027161	1	79436914	T/C	0.004	0.004	-0.044	0.067	0.509	25.463
PC ae C38:0										
rs78488523	ebi-a-GCST90027161	12	24759944	T/C	0.019	0.019	0.063	0.040	0.110	23.269
rs12622665	ebi-a-GCST90027161	2	50522966	A/C	0.047	0.047	0.046	0.027	0.083	19.711
rs58542926	ebi-a-GCST90027161	19	19379549	T/C	0.071	0.071	0.026	0.020	0.201	28.131
rs62421105	ebi-a-GCST90027161	6	113210624	T/C	0.765	0.235	0.014	0.012	0.234	21.037
rs4894545	ebi-a-GCST90027161	3	172106574	A/C	0.110	0.110	0.009	0.016	0.580	20.695
rs55687041	ebi-a-GCST90027161	3	64846996	T/C	0.081	0.081	0.005	0.021	0.816	21.725
rs10191394	ebi-a-GCST90027161	2	228485051	A/G	0.424	0.424	0.002	0.010	0.813	19.665
rs9466456	ebi-a-GCST90027161	6	22748186	T/C	0.301	0.301	0.002	0.011	0.845	20.449
rs2980868	ebi-a-GCST90027161	8	126488235	T/C	0.483	0.483	-0.001	0.010	0.887	26.139
rs293396	ebi-a-GCST90027161	15	89659451	A/G	0.432	0.432	-0.004	0.010	0.695	20.001
rs17013796	ebi-a-GCST90027161	3	76158788	A/C	0.113	0.113	-0.005	0.018	0.792	21.605
rs11127048	ebi-a-GCST90027161	2	27752463	A/G	0.618	0.382	-0.006	0.010	0.555	23.014
rs12460988	ebi-a-GCST90027161	19	31162121	T/C	0.548	0.452	-0.007	0.010	0.464	20.559
rs59913369	ebi-a-GCST90027161	11	75473265	A/G	0.893	0.107	-0.014	0.016	0.382	40.041
rs11568025	ebi-a-GCST90027161	1	230848015	T/C	0.950	0.050	-0.014	0.021	0.501	22.427
rs2011988	ebi-a-GCST90027161	17	9050569	A/G	0.442	0.442	-0.016	0.010	0.111	20.063
rs9791077	ebi-a-GCST90027161	5	123162932	T/C	0.020	0.020	-0.017	0.035	0.625	21.354
rs78538207	ebi-a-GCST90027161	2	242727408	T/C	0.019	0.019	-0.017	0.040	0.666	21.880
rs56131196	ebi-a-GCST90027161	19	45422846	A/G	0.212	0.212	-0.019	0.012	0.127	24.057
rs79737942	ebi-a-GCST90027161	2	23932556	A/G	0.036	0.036	-0.022	0.028	0.441	22.050

PC ae C38:1

rs72706787	ebi-a-GCST90027161	1	179671957	A/G	0.008	0.008	0.100	0.065	0.120	19.635
rs147656975	ebi-a-GCST90027161	8	76226926	T/C	0.992	0.008	0.078	0.063	0.210	22.733
rs77450749	ebi-a-GCST90027161	18	42988275	A/C	0.029	0.029	0.070	0.029	0.015	22.289
rs142984173	ebi-a-GCST90027161	16	55371497	A/G	0.991	0.009	0.041	0.058	0.482	20.333
rs112516541	ebi-a-GCST90027161	15	58707309	A/C	0.550	0.450	0.018	0.010	0.079	31.437
rs12648041	ebi-a-GCST90027161	4	13815288	T/G	0.334	0.334	0.010	0.011	0.352	20.730
rs7512375	ebi-a-GCST90027161	1	7194282	A/G	0.729	0.271	0.009	0.012	0.458	23.403
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	48.522
rs35976088	ebi-a-GCST90027161	20	4462205	T/C	0.658	0.342	0.006	0.011	0.597	22.367
rs12444447	ebi-a-GCST90027161	16	77481383	T/C	0.248	0.248	0.003	0.012	0.825	19.674
rs77497974	ebi-a-GCST90027161	3	178209457	A/C	0.981	0.019	0.003	0.039	0.948	20.422
rs12965067	ebi-a-GCST90027161	18	47228943	T/C	0.344	0.344	0.002	0.011	0.848	20.337
rs7466553	ebi-a-GCST90027161	9	5712223	T/C	0.313	0.313	0.002	0.011	0.893	21.585
rs77259573	ebi-a-GCST90027161	14	54804444	A/G	0.010	0.010	-0.004	0.053	0.938	21.032
rs12701987	ebi-a-GCST90027161	7	42571674	A/G	0.760	0.240	-0.008	0.012	0.525	26.396
rs1951530	ebi-a-GCST90027161	14	29960298	T/C	0.213	0.213	-0.008	0.012	0.535	20.370
rs62101232	ebi-a-GCST90027161	18	77722454	T/C	0.867	0.133	-0.011	0.016	0.485	21.456
rs552960173	ebi-a-GCST90027161	2	5337691	T/G	0.042	0.042	-0.013	0.031	0.683	19.923
rs11227908	ebi-a-GCST90027161	11	67499364	T/G	0.367	0.367	-0.014	0.015	0.331	22.309
rs135931	ebi-a-GCST90027161	22	44810788	T/C	0.787	0.214	-0.017	0.013	0.175	19.605
rs141300139	ebi-a-GCST90027161	5	149515799	A/G	0.980	0.020	-0.043	0.031	0.161	24.891
rs112314236	ebi-a-GCST90027161	4	41545856	T/C	0.034	0.034	-0.060	0.029	0.040	22.077
rs141082203	ebi-a-GCST90027161	13	48093663	T/C	0.992	0.008	-0.068	0.080	0.392	24.854
PC ae C38:2										
rs139041042	ebi-a-GCST90027161	1	199938267	A/G	0.002	0.002	0.138	0.103	0.179	20.220
rs149130133	ebi-a-GCST90027161	19	58645881	T/C	0.993	0.007	0.088	0.075	0.243	23.198
rs118011990	ebi-a-GCST90027161	9	130138015	A/G	0.978	0.022	0.081	0.040	0.045	21.077
rs73859194	ebi-a-GCST90027161	3	125169452	T/C	0.980	0.020	0.052	0.036	0.145	20.125
rs77960347	ebi-a-GCST90027161	18	47109955	A/G	0.989	0.011	0.044	0.053	0.401	21.262
rs4323159	ebi-a-GCST90027161	4	139083400	T/C	0.966	0.035	0.033	0.031	0.288	25.559
rs62378677	ebi-a-GCST90027161	5	158586982	T/G	0.026	0.026	0.025	0.034	0.461	19.952
rs9640385	ebi-a-GCST90027161	7	143130317	T/C	0.629	0.371	0.015	0.011	0.164	19.629
rs7963421	ebi-a-GCST90027161	12	132023541	A/G	0.906	0.094	0.015	0.018	0.426	24.047

rs16948133	ebi-a-GCST90027161	18	28057864	A/G	0.950	0.050	0.011	0.024	0.641	21.359
rs10889333	ebi-a-GCST90027161	1	62957030	A/G	0.317	0.317	0.010	0.011	0.381	27.081
rs2369785	ebi-a-GCST90027161	12	77873917	T/G	0.717	0.283	0.008	0.012	0.475	23.789
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	27.383
rs11075253	ebi-a-GCST90027161	16	15148646	A/C	0.280	0.280	-0.001	0.012	0.939	22.369
rs184418311	ebi-a-GCST90027161	10	133325804	T/C	0.110	0.110	-0.005	0.016	0.747	19.685
rs2414577	ebi-a-GCST90027161	15	58680638	T/C	0.606	0.394	-0.005	0.010	0.603	39.546
rs158722	ebi-a-GCST90027161	1	222417615	A/G	0.621	0.379	-0.006	0.010	0.590	20.130
rs10232201	ebi-a-GCST90027161	7	11383755	A/G	0.860	0.140	-0.007	0.015	0.630	20.427
rs41433449	ebi-a-GCST90027161	5	52745884	T/C	0.971	0.029	-0.009	0.029	0.770	21.176
rs1077835	ebi-a-GCST90027161	15	58723426	A/G	0.764	0.236	-0.013	0.012	0.278	26.294
rs2052515	ebi-a-GCST90027161	5	74571914	A/G	0.244	0.244	-0.016	0.012	0.167	20.485
rs113707810	ebi-a-GCST90027161	7	72747127	T/G	0.671	0.330	-0.016	0.027	0.542	19.821
rs10125601	ebi-a-GCST90027161	9	114628073	A/G	0.148	0.148	-0.017	0.019	0.371	19.605
rs173539	ebi-a-GCST90027161	16	56988044	T/C	0.314	0.314	-0.020	0.011	0.065	27.257
rs11170914	ebi-a-GCST90027161	12	54861704	T/C	0.051	0.051	-0.026	0.025	0.298	20.222
rs67033524	ebi-a-GCST90027161	12	24553425	A/G	0.852	0.148	-0.031	0.015	0.039	25.289
rs141082203	ebi-a-GCST90027161	13	48093663	T/C	0.992	0.008	-0.068	0.080	0.392	23.385
rs10456417	ebi-a-GCST90027161	6	32988651	T/C	0.983	0.017	-0.072	0.042	0.084	20.431
PC ae C38:3										
rs79686815	ebi-a-GCST90027161	12	93039903	A/G	0.971	0.029	0.058	0.033	0.083	20.538
rs174559	ebi-a-GCST90027161	11	61581656	A/G	0.292	0.292	0.038	0.011	0.001	74.934
rs138867393	ebi-a-GCST90027161	14	47123127	T/C	0.013	0.013	0.031	0.046	0.494	30.694
rs4871598	ebi-a-GCST90027161	8	126459990	A/G	0.260	0.260	0.021	0.012	0.074	20.802
rs3872656	ebi-a-GCST90027161	3	292958	A/C	0.387	0.387	0.015	0.011	0.143	19.646
rs12872539	ebi-a-GCST90027161	13	55846813	T/C	0.716	0.284	0.012	0.015	0.432	26.274
rs35238889	ebi-a-GCST90027161	7	21026052	T/G	0.882	0.118	0.009	0.017	0.605	22.275
rs532436	ebi-a-GCST90027161	9	136149830	A/G	0.624	0.376	0.009	0.013	0.491	20.450
rs5758023	ebi-a-GCST90027161	22	22723784	A/G	0.201	0.201	0.008	0.014	0.578	21.742
rs72846951	ebi-a-GCST90027161	17	8600125	T/C	0.602	0.398	0.004	0.011	0.698	24.329
rs1553193	ebi-a-GCST90027161	3	112918617	T/C	0.074	0.074	0.004	0.020	0.860	21.683
rs299620	ebi-a-GCST90027161	5	34056020	A/C	0.649	0.351	0.004	0.011	0.756	19.680
rs618398	ebi-a-GCST90027161	9	22793907	T/G	0.629	0.371	0.002	0.011	0.862	21.429

rs28472536	ebi-a-GCST90027161	3	178664147	T/C	0.551	0.450	-0.005	0.010	0.638	21.415
rs74863930	ebi-a-GCST90027161	18	46223778	A/C	0.975	0.025	-0.010	0.037	0.789	20.122
rs191463	ebi-a-GCST90027161	3	6868515	A/G	0.686	0.315	-0.011	0.013	0.368	21.487
rs1601935	ebi-a-GCST90027161	15	58671765	T/G	0.644	0.356	-0.015	0.011	0.164	22.717
rs10508053	ebi-a-GCST90027161	13	101763706	A/G	0.031	0.031	-0.019	0.027	0.483	19.767
rs145847829	ebi-a-GCST90027161	11	102310831	A/G	0.009	0.009	-0.034	0.064	0.599	19.608
rs73205214	ebi-a-GCST90027161	3	106280479	T/C	0.970	0.030	-0.071	0.032	0.024	20.513
PC ae C38:4										
rs62576800	ebi-a-GCST90027161	9	90600335	T/C	0.978	0.022	0.022	0.036	0.543	22.491
rs580188	ebi-a-GCST90027161	11	84992869	A/G	0.883	0.117	0.014	0.016	0.377	24.001
rs10889333	ebi-a-GCST90027161	1	62957030	A/G	0.317	0.317	0.010	0.011	0.381	39.863
rs1532085	ebi-a-GCST90027161	15	58683366	A/G	0.391	0.391	0.008	0.010	0.467	23.741
rs115387119	ebi-a-GCST90027161	13	81173685	T/C	0.937	0.063	0.003	0.020	0.882	21.355
rs17321515	ebi-a-GCST90027161	8	126486409	A/G	0.516	0.484	0.001	0.010	0.906	27.689
rs12934815	ebi-a-GCST90027161	16	15139017	A/G	0.685	0.315	-0.003	0.011	0.812	26.496
rs4617022	ebi-a-GCST90027161	6	115970705	A/G	0.779	0.221	-0.004	0.012	0.748	20.444
rs61752248	ebi-a-GCST90027161	22	21165311	T/C	0.984	0.016	-0.005	0.040	0.899	23.937
rs111368200	ebi-a-GCST90027161	5	124051663	T/C	0.935	0.065	-0.014	0.021	0.513	21.286
rs588136	ebi-a-GCST90027161	15	58730498	T/C	0.779	0.221	-0.019	0.012	0.114	24.560
rs148882771	ebi-a-GCST90027161	8	91200031	T/C	0.018	0.018	-0.028	0.038	0.472	19.635
rs143638758	ebi-a-GCST90027161	1	104099673	T/C	0.030	0.030	-0.031	0.027	0.244	26.174
rs4648838	ebi-a-GCST90027161	1	2329212	A/G	0.042	0.042	-0.034	0.026	0.195	20.063
rs141290426	ebi-a-GCST90027161	1	229057956	A/G	0.023	0.023	-0.044	0.036	0.225	24.857
rs62226425	ebi-a-GCST90027161	22	44471488	A/C	0.038	0.038	-0.046	0.030	0.127	23.707
rs16919270	ebi-a-GCST90027161	10	65796031	A/G	0.066	0.066	-0.057	0.021	0.008	20.571
PC ae C38:5										
rs12544616	ebi-a-GCST90027161	8	71719619	T/C	0.933	0.067	0.032	0.021	0.126	19.895
rs11236555	ebi-a-GCST90027161	11	75551090	T/C	0.090	0.090	0.023	0.017	0.165	24.612
rs56156922	ebi-a-GCST90027161	16	56987369	T/C	0.691	0.309	0.023	0.011	0.039	39.043
rs62576800	ebi-a-GCST90027161	9	90600335	T/C	0.978	0.022	0.022	0.036	0.543	25.000
rs138280242	ebi-a-GCST90027161	8	91455617	A/C	0.017	0.017	0.022	0.040	0.586	25.519
rs10889332	ebi-a-GCST90027161	1	62950858	T/C	0.318	0.318	0.011	0.011	0.335	22.084
rs7187364	ebi-a-GCST90027161	16	78755350	A/C	0.723	0.277	0.011	0.011	0.352	20.250

rs7810209	ebi-a-GCST90027161	7	150153813	T/C	0.580	0.420	0.005	0.010	0.615	19.832
rs7350789	ebi-a-GCST90027161	15	58679668	A/G	0.360	0.360	0.005	0.011	0.669	28.468
rs2453566	ebi-a-GCST90027161	1	2302516	T/C	0.537	0.463	0.001	0.010	0.949	23.490
rs62400982	ebi-a-GCST90027161	6	30805446	A/G	0.058	0.058	0.000	0.021	0.995	19.793
rs2980868	ebi-a-GCST90027161	8	126488235	T/C	0.483	0.483	-0.001	0.010	0.887	26.540
rs56405031	ebi-a-GCST90027161	4	228929	A/G	0.048	0.048	-0.008	0.024	0.735	19.511
rs5755550	ebi-a-GCST90027161	22	35450304	T/C	0.518	0.483	-0.010	0.010	0.347	21.351
rs79525993	ebi-a-GCST90027161	5	168773607	A/G	0.981	0.019	-0.010	0.039	0.788	20.099
rs71358290	ebi-a-GCST90027161	17	10171168	A/G	0.089	0.089	-0.021	0.019	0.268	21.167
rs140073976	ebi-a-GCST90027161	1	79285194	A/G	0.004	0.004	-0.029	0.069	0.671	21.904
rs114949512	ebi-a-GCST90027161	2	3805875	A/G	0.018	0.018	-0.100	0.055	0.072	24.402
rs149749073	ebi-a-GCST90027161	9	3316753	A/G	0.011	0.011	-0.119	0.050	0.018	21.190
PC ae C38:6										
rs118171449	ebi-a-GCST90027161	11	39835724	T/C	0.076	0.076	0.037	0.019	0.053	23.801
rs99780	ebi-a-GCST90027161	11	61596633	T/C	0.372	0.372	0.033	0.010	0.001	143.684
rs138280242	ebi-a-GCST90027161	8	91455617	A/C	0.017	0.017	0.022	0.040	0.586	23.878
rs76889666	ebi-a-GCST90027161	16	84412047	T/G	0.976	0.024	0.016	0.036	0.651	20.278
rs72728503	ebi-a-GCST90027161	4	150670648	T/C	0.098	0.098	0.011	0.017	0.544	20.567
rs62117224	ebi-a-GCST90027161	19	45524679	A/G	0.366	0.366	0.010	0.011	0.337	23.565
rs17155842	ebi-a-GCST90027161	10	44752633	T/C	0.016	0.016	0.007	0.040	0.855	21.024
rs56280963	ebi-a-GCST90027161	2	232073728	T/C	0.099	0.099	0.006	0.017	0.732	20.326
rs7875058	ebi-a-GCST90027161	9	2431806	T/C	0.402	0.402	0.002	0.010	0.874	20.311
rs74285323	ebi-a-GCST90027161	3	115445296	T/C	0.046	0.046	-0.002	0.026	0.950	20.055
rs1885041	ebi-a-GCST90027161	14	67976325	T/C	0.473	0.473	-0.003	0.010	0.774	33.222
rs7587036	ebi-a-GCST90027161	2	73492222	T/C	0.792	0.208	-0.005	0.012	0.693	20.753
rs4348200	ebi-a-GCST90027161	5	107139260	A/G	0.604	0.396	-0.008	0.011	0.452	19.516
rs5755550	ebi-a-GCST90027161	22	35450304	T/C	0.518	0.483	-0.010	0.010	0.347	26.719
rs141748550	ebi-a-GCST90027161	17	64876953	T/G	0.021	0.021	-0.013	0.038	0.726	21.941
rs6799685	ebi-a-GCST90027161	3	178605168	T/C	0.718	0.282	-0.016	0.012	0.159	21.442
rs34854430	ebi-a-GCST90027161	20	23002998	T/C	0.352	0.352	-0.019	0.011	0.080	23.997
rs34944501	ebi-a-GCST90027161	19	8109010	T/C	0.821	0.179	-0.019	0.014	0.163	21.913
rs3764261	ebi-a-GCST90027161	16	56993324	A/C	0.308	0.308	-0.022	0.011	0.052	30.250
rs171091	ebi-a-GCST90027161	3	3086694	T/G	0.116	0.116	-0.029	0.017	0.082	25.000

rs140073976	ebi-a-GCST90027161	1	79285194	A/G	0.004	0.004	-0.029	0.069	0.671	22.602
rs1826500	ebi-a-GCST90027161	8	71818955	T/C	0.047	0.047	-0.038	0.025	0.125	20.602
PC ae C40:1										
rs17154109	ebi-a-GCST90027161	7	26658481	A/G	0.966	0.034	0.023	0.027	0.383	21.444
rs62202973	ebi-a-GCST90027161	2	211098308	A/G	0.091	0.091	0.022	0.018	0.222	21.101
rs188241968	ebi-a-GCST90027161	7	128185198	T/G	0.028	0.028	0.021	0.030	0.475	21.642
rs12679609	ebi-a-GCST90027161	8	10211062	A/G	0.167	0.167	0.021	0.014	0.134	21.717
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	20.129
rs636420	ebi-a-GCST90027161	11	75852448	T/C	0.073	0.073	0.008	0.019	0.695	20.947
rs62089680	ebi-a-GCST90027161	18	70090423	A/G	0.412	0.412	0.002	0.010	0.850	23.476
rs5998516	ebi-a-GCST90027161	22	32892307	A/C	0.705	0.295	-0.006	0.011	0.607	19.711
rs149426003	ebi-a-GCST90027161	1	110556204	T/C	0.069	0.069	-0.006	0.020	0.754	24.616
rs1556084	ebi-a-GCST90027161	1	14717960	A/G	0.220	0.220	-0.007	0.013	0.575	20.276
rs9959369	ebi-a-GCST90027161	18	381832	A/C	0.586	0.414	-0.009	0.011	0.392	19.604
rs77589715	ebi-a-GCST90027161	7	129593338	A/G	0.965	0.035	-0.014	0.027	0.608	19.705
rs174528	ebi-a-GCST90027161	11	61543499	T/C	0.609	0.391	-0.033	0.010	0.002	86.867
rs75034785	ebi-a-GCST90027161	1	55358685	T/C	0.976	0.024	-0.047	0.031	0.136	19.635
PC ae C40:2										
rs72706787	ebi-a-GCST90027161	1	179671957	A/G	0.008	0.008	0.100	0.065	0.120	20.842
rs142984173	ebi-a-GCST90027161	16	55371497	A/G	0.991	0.009	0.041	0.058	0.482	22.034
rs7586167	ebi-a-GCST90027161	2	236173925	T/G	0.116	0.116	0.027	0.016	0.094	19.887
rs112516541	ebi-a-GCST90027161	15	58707309	A/C	0.550	0.450	0.018	0.010	0.079	28.250
rs79112048	ebi-a-GCST90027161	11	84305514	A/G	0.034	0.034	0.018	0.029	0.543	20.263
rs112481368	ebi-a-GCST90027161	18	55296314	A/C	0.202	0.202	0.012	0.013	0.331	21.229
rs56134489	ebi-a-GCST90027161	2	124279210	A/G	0.985	0.015	0.012	0.044	0.790	21.729
rs17424866	ebi-a-GCST90027161	2	171125881	T/C	0.030	0.030	0.009	0.033	0.791	22.677
rs12072228	ebi-a-GCST90027161	1	7194937	A/G	0.729	0.271	0.009	0.012	0.464	23.288
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	20.435
rs7357805	ebi-a-GCST90027161	9	137713556	T/C	0.498	0.498	0.007	0.010	0.472	20.190
rs1334100	ebi-a-GCST90027161	20	56605330	A/G	0.480	0.480	0.004	0.010	0.733	24.723
rs10305445	ebi-a-GCST90027161	6	39026537	T/C	0.078	0.078	0.003	0.020	0.862	21.911
rs147457960	ebi-a-GCST90027161	5	75922316	A/G	0.032	0.032	0.001	0.026	0.965	22.064
rs612399	ebi-a-GCST90027161	6	41287803	T/C	0.609	0.391	-0.006	0.010	0.569	20.976

rs3902996	ebi-a-GCST90027161	18	77630571	A/G	0.879	0.121	-0.007	0.016	0.684	27.192
rs4861113	ebi-a-GCST90027161	4	41479770	A/G	0.313	0.313	-0.011	0.011	0.301	20.109
rs135931	ebi-a-GCST90027161	22	44810788	T/C	0.787	0.214	-0.017	0.013	0.175	20.178
rs139878628	ebi-a-GCST90027161	5	150098567	A/C	0.955	0.045	-0.045	0.024	0.061	19.879
rs141082203	ebi-a-GCST90027161	13	48093663	T/C	0.992	0.008	-0.068	0.080	0.392	24.175
PC ae C40:3										
rs115245292	ebi-a-GCST90027161	4	139125528	T/C	0.968	0.032	0.043	0.032	0.183	21.150
rs147970207	ebi-a-GCST90027161	20	47911361	T/C	0.012	0.012	0.029	0.047	0.539	21.778
rs61759990	ebi-a-GCST90027161	2	46379388	T/C	0.906	0.094	0.027	0.018	0.132	19.643
rs10889333	ebi-a-GCST90027161	1	62957030	A/G	0.317	0.317	0.010	0.011	0.381	27.425
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	21.993
rs7699978	ebi-a-GCST90027161	4	86936056	A/C	0.106	0.106	-0.002	0.017	0.884	20.051
rs72636315	ebi-a-GCST90027161	13	84377041	A/G	0.033	0.033	-0.003	0.031	0.936	22.055
rs1109309	ebi-a-GCST90027161	5	133079344	A/G	0.463	0.463	-0.005	0.010	0.651	20.345
rs2414577	ebi-a-GCST90027161	15	58680638	T/C	0.606	0.394	-0.005	0.010	0.603	34.002
rs1886283	ebi-a-GCST90027161	10	7194683	A/G	0.631	0.369	-0.008	0.011	0.424	20.014
rs7857267	ebi-a-GCST90027161	9	13516666	T/C	0.075	0.075	-0.009	0.020	0.632	26.083
rs144937479	ebi-a-GCST90027161	11	69543165	A/G	0.029	0.029	-0.012	0.031	0.710	19.653
rs78049312	ebi-a-GCST90027161	1	88431881	T/C	0.047	0.047	-0.015	0.027	0.586	19.498
rs10125601	ebi-a-GCST90027161	9	114628073	A/G	0.148	0.148	-0.017	0.019	0.371	22.297
rs112252202	ebi-a-GCST90027161	10	131629961	T/C	0.068	0.068	-0.018	0.020	0.356	26.138
rs10107801	ebi-a-GCST90027161	8	127519304	A/G	0.863	0.137	-0.021	0.015	0.161	20.141
rs286044	ebi-a-GCST90027161	11	85074491	T/C	0.085	0.085	-0.023	0.019	0.218	19.667
rs174547	ebi-a-GCST90027161	11	61570783	T/C	0.631	0.369	-0.034	0.010	0.001	68.684
rs113221070	ebi-a-GCST90027161	20	23293539	A/G	0.969	0.032	-0.035	0.029	0.221	21.327
rs11628294	ebi-a-GCST90027161	14	101169717	A/G	0.033	0.033	-0.036	0.026	0.172	20.137
rs7579040	ebi-a-GCST90027161	2	216856130	T/C	0.911	0.089	-0.062	0.018	0.001	20.861
rs141082203	ebi-a-GCST90027161	13	48093663	T/C	0.992	0.008	-0.068	0.080	0.392	26.311
rs149876326	ebi-a-GCST90027161	18	69229485	A/G	0.021	0.021	-0.073	0.032	0.023	19.778
rs35970651	ebi-a-GCST90027161	12	10111441	A/G	0.014	0.014	-0.145	0.062	0.019	20.352
PC ae C40:4										
rs77960347	ebi-a-GCST90027161	18	47109955	A/G	0.989	0.011	0.044	0.053	0.401	23.003
rs3858397	ebi-a-GCST90027161	11	107949461	A/G	0.014	0.014	0.044	0.041	0.282	22.177

rs116082230	ebi-a-GCST90027161	3	105501534	A/G	0.019	0.019	0.035	0.036	0.332	20.419
rs147970207	ebi-a-GCST90027161	20	47911361	T/C	0.012	0.012	0.029	0.047	0.539	20.724
rs12546760	ebi-a-GCST90027161	8	8374836	A/G	0.515	0.485	0.028	0.010	0.006	23.173
rs1518514	ebi-a-GCST90027161	6	53223268	A/G	0.271	0.271	0.020	0.012	0.079	20.555
rs28802056	ebi-a-GCST90027161	11	75465830	T/C	0.103	0.103	0.014	0.016	0.379	32.172
rs16948133	ebi-a-GCST90027161	18	28057864	A/G	0.950	0.050	0.011	0.024	0.641	19.878
rs10961110	ebi-a-GCST90027161	9	13528833	A/G	0.856	0.144	0.010	0.015	0.525	23.422
rs72816273	ebi-a-GCST90027161	5	163688939	A/G	0.036	0.036	0.009	0.030	0.763	23.633
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	21.565
rs13053973	ebi-a-GCST90027161	22	45178447	T/C	0.342	0.342	0.004	0.011	0.743	21.616
rs4724113	ebi-a-GCST90027161	7	42608606	T/C	0.380	0.380	0.001	0.017	0.942	23.390
rs2954019	ebi-a-GCST90027161	8	126477759	A/G	0.477	0.477	-0.001	0.010	0.952	20.690
rs7807533	ebi-a-GCST90027161	7	151529660	T/C	0.093	0.093	-0.002	0.018	0.911	21.345
rs1109309	ebi-a-GCST90027161	5	133079344	A/G	0.463	0.463	-0.005	0.010	0.651	25.348
rs2414577	ebi-a-GCST90027161	15	58680638	T/C	0.606	0.394	-0.005	0.010	0.603	35.359
rs6718650	ebi-a-GCST90027161	2	11690990	T/C	0.066	0.066	-0.008	0.022	0.727	22.580
rs2185330	ebi-a-GCST90027161	9	111643477	T/C	0.207	0.207	-0.008	0.013	0.511	25.608
rs7547965	ebi-a-GCST90027161	1	62926371	A/G	0.671	0.330	-0.010	0.011	0.366	27.081
rs67033524	ebi-a-GCST90027161	12	24553425	A/G	0.852	0.148	-0.031	0.015	0.039	20.034
rs145822433	ebi-a-GCST90027161	20	54461166	A/G	0.012	0.012	-0.035	0.056	0.532	22.305
rs141082203	ebi-a-GCST90027161	13	48093663	T/C	0.992	0.008	-0.068	0.080	0.392	28.045
PC ae C40:5										
rs149130133	ebi-a-GCST90027161	19	58645881	T/C	0.993	0.007	0.088	0.075	0.243	22.763
rs3858397	ebi-a-GCST90027161	11	107949461	A/G	0.014	0.014	0.044	0.041	0.282	23.369
rs12283556	ebi-a-GCST90027161	11	94827737	T/G	0.049	0.049	0.035	0.023	0.131	19.855
rs142703710	ebi-a-GCST90027161	19	1267656	T/C	0.993	0.007	0.030	0.050	0.552	22.013
rs58542926	ebi-a-GCST90027161	19	19379549	T/C	0.071	0.071	0.026	0.020	0.201	20.267
rs73611723	ebi-a-GCST90027161	20	10654611	T/C	0.034	0.034	0.025	0.032	0.439	22.267
rs1675291	ebi-a-GCST90027161	10	44339315	T/C	0.154	0.154	0.023	0.014	0.103	23.711
rs13423501	ebi-a-GCST90027161	2	168594481	T/C	0.796	0.204	0.015	0.013	0.222	24.237
rs116552617	ebi-a-GCST90027161	4	11281650	T/C	0.015	0.015	0.011	0.051	0.833	19.557
rs62117224	ebi-a-GCST90027161	19	45524679	A/G	0.366	0.366	0.010	0.011	0.337	22.801
rs144687676	ebi-a-GCST90027161	6	43899785	T/C	0.015	0.015	0.010	0.055	0.858	21.115

rs10961110	ebi-a-GCST90027161	9	13528833	A/G	0.856	0.144	0.010	0.015	0.525	24.208
rs2111825	ebi-a-GCST90027161	3	170241212	T/C	0.039	0.039	0.007	0.028	0.805	20.939
rs150761384	ebi-a-GCST90027161	4	4004356	T/G	0.025	0.025	0.004	0.041	0.921	23.100
rs80159584	ebi-a-GCST90027161	11	110915807	A/C	0.089	0.089	0.004	0.017	0.820	20.476
rs6889925	ebi-a-GCST90027161	5	73579842	A/G	0.397	0.397	0.003	0.011	0.787	19.827
rs12965067	ebi-a-GCST90027161	18	47228943	T/C	0.344	0.344	0.002	0.011	0.848	25.193
rs60252178	ebi-a-GCST90027161	7	11338519	A/G	0.098	0.098	0.001	0.018	0.936	23.303
rs6833681	ebi-a-GCST90027161	4	129528898	A/G	0.172	0.172	-0.001	0.014	0.969	19.689
rs10960408	ebi-a-GCST90027161	9	1206835	A/G	0.396	0.396	-0.003	0.010	0.796	21.160
rs77259573	ebi-a-GCST90027161	14	54804444	A/G	0.010	0.010	-0.004	0.053	0.938	21.267
rs10808546	ebi-a-GCST90027161	8	126495818	T/C	0.450	0.450	-0.005	0.010	0.659	50.557
rs2414577	ebi-a-GCST90027161	15	58680638	T/C	0.606	0.394	-0.005	0.010	0.603	27.458
rs55668553	ebi-a-GCST90027161	16	66323038	A/G	0.048	0.048	-0.007	0.025	0.769	21.739
rs10889335	ebi-a-GCST90027161	1	62960101	A/G	0.670	0.330	-0.008	0.011	0.448	43.697
rs11873273	ebi-a-GCST90027161	18	57521875	A/G	0.325	0.325	-0.009	0.011	0.415	19.734
rs78297237	ebi-a-GCST90027161	9	81974784	T/C	0.038	0.038	-0.011	0.031	0.712	26.721
rs4648819	ebi-a-GCST90027161	1	2204790	A/G	0.874	0.127	-0.011	0.015	0.453	29.469
rs896862	ebi-a-GCST90027161	7	158527734	A/G	0.182	0.182	-0.012	0.014	0.371	21.052
rs34782300	ebi-a-GCST90027161	3	115512533	T/C	0.109	0.109	-0.015	0.016	0.359	19.598
rs136339	ebi-a-GCST90027161	22	31159042	T/C	0.601	0.399	-0.020	0.010	0.059	19.629
rs174564	ebi-a-GCST90027161	11	61588305	A/G	0.628	0.372	-0.035	0.010	0.001	803.519
rs80201203	ebi-a-GCST90027161	1	229063911	A/G	0.024	0.024	-0.046	0.036	0.202	29.232
rs144695414	ebi-a-GCST90027161	3	59147237	A/G	0.005	0.005	-0.138	0.094	0.143	20.925
PC ae C40:6										
rs76136208	ebi-a-GCST90027161	22	21385277	T/C	0.021	0.021	0.047	0.033	0.158	23.354
rs99780	ebi-a-GCST90027161	11	61596633	T/C	0.372	0.372	0.033	0.010	0.001	144.158
rs1395917	ebi-a-GCST90027161	11	39804519	T/C	0.107	0.107	0.028	0.017	0.093	20.012
rs72718134	ebi-a-GCST90027161	15	27358355	T/G	0.037	0.037	0.026	0.025	0.306	21.954
rs113841614	ebi-a-GCST90027161	5	33181761	T/G	0.014	0.014	0.019	0.047	0.686	19.697
rs148973700	ebi-a-GCST90027161	2	130427471	T/C	0.025	0.025	0.018	0.030	0.548	20.906
rs35121805	ebi-a-GCST90027161	20	22973414	A/G	0.641	0.359	0.017	0.011	0.113	24.063
rs1167996	ebi-a-GCST90027161	1	62927797	T/G	0.318	0.318	0.011	0.011	0.342	28.069
rs62117224	ebi-a-GCST90027161	19	45524679	A/G	0.366	0.366	0.010	0.011	0.337	27.729

rs73117964	ebi-a-GCST90027161	7	52415950	A/G	0.246	0.246	0.009	0.012	0.450	21.019
rs2043082	ebi-a-GCST90027161	15	58674308	A/G	0.369	0.369	0.007	0.011	0.479	20.280
rs34718969	ebi-a-GCST90027161	18	39430498	T/C	0.853	0.148	0.007	0.015	0.629	22.032
rs16985416	ebi-a-GCST90027161	2	18866226	A/G	0.616	0.384	0.005	0.011	0.645	27.295
rs11987754	ebi-a-GCST90027161	8	8125706	T/C	0.377	0.377	-0.021	0.011	0.051	22.224
rs4646394	ebi-a-GCST90027161	17	17440595	A/C	0.564	0.436	-0.028	0.014	0.044	20.375
rs17767434	ebi-a-GCST90027161	14	71806727	A/G	0.098	0.098	-0.038	0.018	0.037	20.231
PC ae C42:0										
rs76773057	ebi-a-GCST90027161	10	1877057	T/C	0.023	0.023	0.039	0.030	0.200	20.207
rs35598814	ebi-a-GCST90027161	8	87871734	A/G	0.988	0.012	0.035	0.045	0.443	20.155
rs174598	ebi-a-GCST90027161	11	61621194	A/G	0.335	0.335	0.033	0.011	0.002	21.297
rs6464382	ebi-a-GCST90027161	7	153761199	T/G	0.628	0.372	0.031	0.011	0.005	19.705
rs34301590	ebi-a-GCST90027161	9	131306847	T/C	0.018	0.018	0.017	0.047	0.720	20.202
rs140914156	ebi-a-GCST90027161	5	55461648	T/C	0.025	0.025	0.007	0.033	0.837	20.117
rs112392367	ebi-a-GCST90027161	6	41353858	T/C	0.967	0.034	0.004	0.028	0.873	20.734
rs59957911	ebi-a-GCST90027161	11	8288621	A/C	0.899	0.101	0.002	0.016	0.890	20.938
rs1956165	ebi-a-GCST90027161	14	94706663	A/G	0.854	0.147	-0.001	0.014	0.927	19.636
rs191414893	ebi-a-GCST90027161	5	179889557	T/C	0.025	0.025	-0.002	0.029	0.950	21.636
rs6968731	ebi-a-GCST90027161	7	100692376	T/C	0.186	0.186	-0.004	0.014	0.751	20.798
rs116395001	ebi-a-GCST90027161	3	39310764	T/C	0.986	0.014	-0.006	0.048	0.905	20.048
rs1340633	ebi-a-GCST90027161	6	142949095	A/G	0.051	0.051	-0.018	0.026	0.493	21.715
rs12608859	ebi-a-GCST90027161	19	5370047	T/C	0.145	0.145	-0.021	0.015	0.149	23.246
rs41291862	ebi-a-GCST90027161	10	108437181	T/C	0.990	0.010	-0.021	0.064	0.739	27.500
rs8000130	ebi-a-GCST90027161	13	114464277	A/G	0.076	0.076	-0.023	0.018	0.188	21.033
rs140521347	ebi-a-GCST90027161	7	91965108	T/C	0.019	0.019	-0.026	0.044	0.565	20.231
rs7108173	ebi-a-GCST90027161	11	19643929	A/G	0.985	0.015	-0.033	0.041	0.425	28.390
PC ae C42:1										
rs141882323	ebi-a-GCST90027161	5	34709672	T/C	0.014	0.014	0.045	0.057	0.427	20.446
rs76611635	ebi-a-GCST90027161	1	201708010	A/G	0.011	0.011	0.043	0.065	0.512	19.590
rs75615732	ebi-a-GCST90027161	8	9219869	A/G	0.121	0.121	0.030	0.015	0.050	21.386
rs139899183	ebi-a-GCST90027161	3	175546892	A/G	0.936	0.065	0.027	0.028	0.348	19.772
rs1518514	ebi-a-GCST90027161	6	53223268	A/G	0.271	0.271	0.020	0.012	0.079	21.228
rs112516541	ebi-a-GCST90027161	15	58707309	A/C	0.550	0.450	0.018	0.010	0.079	22.776

rs56296499	ebi-a-GCST90027161	2	107159947	T/C	0.131	0.131	0.014	0.016	0.358	20.124
rs4665972	ebi-a-GCST90027161	2	27598097	T/C	0.387	0.387	0.013	0.010	0.225	20.065
rs608020	ebi-a-GCST90027161	1	10794895	A/G	0.012	0.012	0.012	0.055	0.831	20.355
rs138686984	ebi-a-GCST90027161	3	57829949	A/G	0.016	0.016	0.008	0.044	0.860	29.216
rs62252796	ebi-a-GCST90027161	3	32584688	A/C	0.074	0.074	0.006	0.021	0.763	24.106
rs6728463	ebi-a-GCST90027161	2	11689048	T/G	0.933	0.067	0.006	0.022	0.776	21.222
rs3797814	ebi-a-GCST90027161	5	96091926	A/G	0.309	0.309	0.005	0.011	0.631	24.676
rs4742120	ebi-a-GCST90027161	9	5742085	T/C	0.309	0.309	0.001	0.011	0.906	20.615
rs113407467	ebi-a-GCST90027161	8	55499360	T/C	0.193	0.193	-0.003	0.013	0.811	21.019
rs4985150	ebi-a-GCST90027161	16	15136685	A/G	0.693	0.307	-0.004	0.011	0.740	99.110
rs9592339	ebi-a-GCST90027161	13	64795587	A/C	0.048	0.048	-0.004	0.023	0.866	19.848
rs4812439	ebi-a-GCST90027161	20	39147287	A/G	0.678	0.323	-0.005	0.011	0.648	24.564
rs7037185	ebi-a-GCST90027161	9	101605943	T/C	0.242	0.242	-0.007	0.012	0.553	21.323
rs7538145	ebi-a-GCST90027161	1	224801304	T/C	0.573	0.427	-0.011	0.010	0.307	21.736
rs11002150	ebi-a-GCST90027161	10	79151308	T/C	0.720	0.280	-0.013	0.012	0.262	20.536
rs1806895	ebi-a-GCST90027161	11	75473715	T/C	0.894	0.106	-0.016	0.016	0.318	40.025
rs17276848	ebi-a-GCST90027161	4	153220331	T/G	0.895	0.106	-0.017	0.017	0.301	19.935
rs136339	ebi-a-GCST90027161	22	31159042	T/C	0.601	0.399	-0.020	0.010	0.059	19.512
rs148882771	ebi-a-GCST90027161	8	91200031	T/C	0.018	0.018	-0.028	0.038	0.472	28.224
rs61897795	ebi-a-GCST90027161	11	61618169	A/G	0.865	0.135	-0.040	0.016	0.011	101.103
PC ae C42:2										
rs112412737	ebi-a-GCST90027161	4	153167888	T/C	0.034	0.034	0.080	0.033	0.015	23.069
rs11782386	ebi-a-GCST90027161	8	9201787	T/C	0.127	0.127	0.028	0.015	0.061	23.276
rs1877686	ebi-a-GCST90027161	17	72270582	A/C	0.478	0.478	0.023	0.010	0.023	21.534
rs1675291	ebi-a-GCST90027161	10	44339315	T/C	0.154	0.154	0.023	0.014	0.103	20.594
rs138280242	ebi-a-GCST90027161	8	91455617	A/C	0.017	0.017	0.022	0.040	0.586	26.304
rs76808959	ebi-a-GCST90027161	13	23620242	A/G	0.025	0.025	0.018	0.030	0.560	24.036
rs4293913	ebi-a-GCST90027161	5	124414284	A/G	0.417	0.417	0.017	0.010	0.095	19.760
rs62117224	ebi-a-GCST90027161	19	45524679	A/G	0.366	0.366	0.010	0.011	0.337	28.197
rs10961110	ebi-a-GCST90027161	9	13528833	A/G	0.856	0.144	0.010	0.015	0.525	19.931
rs1260326	ebi-a-GCST90027161	2	27730940	T/C	0.377	0.377	0.008	0.011	0.448	36.582
rs8058931	ebi-a-GCST90027161	16	66347101	T/C	0.040	0.040	0.004	0.026	0.872	19.592
rs117004857	ebi-a-GCST90027161	16	10605474	A/G	0.973	0.027	0.000	0.031	0.989	20.022

rs12934815	ebi-a-GCST90027161	16	15139017	A/G	0.685	0.315	-0.003	0.011	0.812	23.592
rs2414577	ebi-a-GCST90027161	15	58680638	T/C	0.606	0.394	-0.005	0.010	0.603	19.827
rs6482254	ebi-a-GCST90027161	10	23422210	T/C	0.659	0.341	-0.008	0.011	0.449	20.734
rs8104380	ebi-a-GCST90027161	19	16407776	A/G	0.710	0.290	-0.009	0.011	0.424	20.250
rs7547965	ebi-a-GCST90027161	1	62926371	A/G	0.671	0.330	-0.010	0.011	0.366	42.638
rs7931519	ebi-a-GCST90027161	11	67495917	T/G	0.407	0.407	-0.014	0.011	0.182	21.412
rs2964105	ebi-a-GCST90027161	5	173767636	T/G	0.791	0.209	-0.017	0.013	0.193	21.979
rs72655726	ebi-a-GCST90027161	8	72457617	A/C	0.056	0.056	-0.017	0.025	0.501	19.724
rs56131196	ebi-a-GCST90027161	19	45422846	A/G	0.212	0.212	-0.019	0.012	0.127	22.500
rs12223234	ebi-a-GCST90027161	11	75568683	T/C	0.910	0.090	-0.023	0.017	0.167	38.711
PC ae C42:3										
rs35420447	ebi-a-GCST90027161	8	9219008	A/G	0.128	0.128	0.031	0.015	0.044	22.832
rs11236555	ebi-a-GCST90027161	11	75551090	T/C	0.090	0.090	0.023	0.017	0.165	44.027
rs138280242	ebi-a-GCST90027161	8	91455617	A/C	0.017	0.017	0.022	0.040	0.586	19.992
rs4293913	ebi-a-GCST90027161	5	124414284	A/G	0.417	0.417	0.017	0.010	0.095	23.405
rs72889121	ebi-a-GCST90027161	2	169215811	T/G	0.729	0.271	0.011	0.012	0.324	20.439
rs62117224	ebi-a-GCST90027161	19	45524679	A/G	0.366	0.366	0.010	0.011	0.337	23.341
rs144687676	ebi-a-GCST90027161	6	43899785	T/C	0.015	0.015	0.010	0.055	0.858	19.569
rs4950056	ebi-a-GCST90027161	1	95547919	T/C	0.475	0.475	0.006	0.010	0.552	29.874
rs112224291	ebi-a-GCST90027161	16	84627337	A/C	0.214	0.214	0.004	0.013	0.787	21.578
rs4775789	ebi-a-GCST90027161	15	49247520	T/C	0.553	0.447	0.001	0.011	0.918	24.696
rs117575367	ebi-a-GCST90027161	7	36349576	T/C	0.057	0.057	0.000	0.023	0.989	19.629
rs2414577	ebi-a-GCST90027161	15	58680638	T/C	0.606	0.394	-0.005	0.010	0.603	20.706
rs72982363	ebi-a-GCST90027161	11	101578588	T/G	0.094	0.094	-0.006	0.018	0.729	19.766
rs77201203	ebi-a-GCST90027161	10	67706275	T/C	0.080	0.080	-0.006	0.019	0.737	23.934
rs2865344	ebi-a-GCST90027161	4	95103040	T/C	0.447	0.447	-0.007	0.010	0.523	19.568
rs2637883	ebi-a-GCST90027161	1	38731931	A/C	0.393	0.393	-0.011	0.011	0.320	20.070
rs13093337	ebi-a-GCST90027161	3	59118686	T/C	0.128	0.128	-0.015	0.016	0.359	20.975
rs10142090	ebi-a-GCST90027161	14	87926629	A/G	0.070	0.070	-0.018	0.023	0.417	21.766
rs61760587	ebi-a-GCST90027161	22	50709226	A/G	0.059	0.059	-0.019	0.021	0.360	21.484
rs174564	ebi-a-GCST90027161	11	61588305	A/G	0.628	0.372	-0.035	0.010	0.001	828.913
rs141290426	ebi-a-GCST90027161	1	229057956	A/G	0.023	0.023	-0.044	0.036	0.225	30.647
rs116900796	ebi-a-GCST90027161	13	47997623	T/G	0.992	0.008	-0.046	0.080	0.568	20.033

rs67012333	ebi-a-GCST90027161	3	7535981	T/C	0.941	0.059	-0.051	0.023	0.024	21.028
rs73273426	ebi-a-GCST90027161	14	54810828	A/G	0.013	0.013	-0.060	0.047	0.201	22.640
rs117953109	ebi-a-GCST90027161	8	28093657	T/C	0.991	0.009	-0.112	0.065	0.086	21.393
rs149749073	ebi-a-GCST90027161	9	3316753	A/G	0.011	0.011	-0.119	0.050	0.018	20.638
rs144695414	ebi-a-GCST90027161	3	59147237	A/G	0.005	0.005	-0.138	0.094	0.143	23.719
PC ae C42:4										
rs74885367	ebi-a-GCST90027161	15	42348429	T/C	0.977	0.023	0.046	0.037	0.209	21.418
rs140871221	ebi-a-GCST90027161	1	34218813	A/G	0.040	0.040	0.035	0.025	0.162	21.473
rs7744440	ebi-a-GCST90027161	6	11038511	T/G	0.796	0.204	0.026	0.013	0.048	22.062
rs148452382	ebi-a-GCST90027161	2	36475606	T/C	0.991	0.009	0.025	0.076	0.746	22.798
rs138280242	ebi-a-GCST90027161	8	91455617	A/C	0.017	0.017	0.022	0.040	0.586	25.485
rs830660	ebi-a-GCST90027161	3	71641502	A/G	0.392	0.392	0.020	0.011	0.064	25.271
rs62117224	ebi-a-GCST90027161	19	45524679	A/G	0.366	0.366	0.010	0.011	0.337	36.460
rs4953202	ebi-a-GCST90027161	2	45404628	T/C	0.570	0.430	0.010	0.010	0.348	19.443
rs10961110	ebi-a-GCST90027161	9	13528833	A/G	0.856	0.144	0.010	0.015	0.525	20.079
rs493258	ebi-a-GCST90027161	15	58687880	T/C	0.474	0.474	0.009	0.010	0.406	21.277
rs2980868	ebi-a-GCST90027161	8	126488235	T/C	0.483	0.483	-0.001	0.010	0.887	37.021
rs117026051	ebi-a-GCST90027161	10	102102352	A/G	0.063	0.063	-0.002	0.022	0.916	24.198
rs11127048	ebi-a-GCST90027161	2	27752463	A/G	0.618	0.382	-0.006	0.010	0.555	26.093
rs56405031	ebi-a-GCST90027161	4	228929	A/G	0.048	0.048	-0.008	0.024	0.735	19.872
rs583609	ebi-a-GCST90027161	1	62916796	T/C	0.682	0.318	-0.011	0.011	0.313	29.884
rs7102807	ebi-a-GCST90027161	11	61890892	T/C	0.636	0.364	-0.016	0.011	0.120	20.045
rs56131196	ebi-a-GCST90027161	19	45422846	A/G	0.212	0.212	-0.019	0.012	0.127	22.488
rs11987754	ebi-a-GCST90027161	8	8125706	T/C	0.377	0.377	-0.021	0.011	0.051	22.922
rs2841334	ebi-a-GCST90027161	9	128122320	A/G	0.162	0.162	-0.025	0.015	0.099	20.794
rs17767434	ebi-a-GCST90027161	14	71806727	A/G	0.098	0.098	-0.038	0.018	0.037	20.485
rs114940874	ebi-a-GCST90027161	1	167246621	T/C	0.031	0.031	-0.044	0.030	0.134	20.379
rs6679643	ebi-a-GCST90027161	1	229050910	A/G	0.023	0.023	-0.047	0.036	0.197	21.396
rs181362781	ebi-a-GCST90027161	8	79363065	T/C	0.992	0.008	-0.088	0.066	0.186	20.377
PC ae C42:5										
rs186827412	ebi-a-GCST90027161	8	80419847	T/C	0.008	0.008	0.056	0.071	0.430	26.509
rs1442512	ebi-a-GCST90027161	9	17419424	T/C	0.959	0.041	0.021	0.024	0.371	22.140
rs272658	ebi-a-GCST90027161	7	24145579	T/C	0.651	0.349	0.015	0.011	0.163	23.413

rs1868049	ebi-a-GCST90027161	11	13383682	T/C	0.153	0.153	0.012	0.014	0.381	19.843
rs7788721	ebi-a-GCST90027161	7	151529596	A/G	0.760	0.240	0.012	0.012	0.310	23.428
rs11646623	ebi-a-GCST90027161	16	23752861	A/G	0.677	0.323	0.011	0.011	0.319	20.166
rs17821316	ebi-a-GCST90027161	15	58703069	A/C	0.478	0.478	0.010	0.010	0.327	24.661
rs186246411	ebi-a-GCST90027161	10	26284728	T/C	0.019	0.019	0.009	0.034	0.788	21.117
rs2667741	ebi-a-GCST90027161	7	79887817	T/G	0.590	0.410	0.003	0.011	0.762	26.145
rs114373116	ebi-a-GCST90027161	3	131607283	A/G	0.030	0.030	0.003	0.031	0.922	20.615
rs13068993	ebi-a-GCST90027161	3	11104399	T/G	0.788	0.213	0.003	0.013	0.823	19.732
rs150151041	ebi-a-GCST90027161	2	191034488	A/G	0.009	0.009	0.000	0.060	0.995	20.194
rs34373067	ebi-a-GCST90027161	5	125940176	T/C	0.077	0.077	-0.003	0.019	0.876	26.406
rs3740342	ebi-a-GCST90027161	10	88428718	T/C	0.155	0.155	-0.003	0.014	0.808	19.758
rs7542225	ebi-a-GCST90027161	1	240711075	T/C	0.405	0.405	-0.005	0.010	0.633	21.110
rs1028395	ebi-a-GCST90027161	20	6860859	T/C	0.878	0.123	-0.011	0.017	0.535	20.119
rs143417059	ebi-a-GCST90027161	18	74881625	T/C	0.022	0.022	-0.013	0.030	0.657	21.154
rs310873	ebi-a-GCST90027161	12	77406214	A/C	0.173	0.173	-0.022	0.015	0.124	20.661
rs6675179	ebi-a-GCST90027161	1	227332043	T/C	0.084	0.084	-0.026	0.018	0.146	20.392
rs146413564	ebi-a-GCST90027161	4	183528288	T/C	0.022	0.022	-0.033	0.032	0.299	23.225
PC ae C44:3										
rs114440997	ebi-a-GCST90027161	3	68569731	T/C	0.009	0.009	0.095	0.066	0.154	20.607
rs186998576	ebi-a-GCST90027161	11	64061272	T/C	0.012	0.012	0.071	0.055	0.191	19.767
rs191636746	ebi-a-GCST90027161	20	39703934	T/C	0.012	0.012	0.055	0.053	0.303	19.769
rs35904745	ebi-a-GCST90027161	1	158981969	T/G	0.078	0.078	0.042	0.018	0.023	23.426
rs117850822	ebi-a-GCST90027161	20	43689763	A/C	0.974	0.026	0.022	0.032	0.498	19.997
rs659880	ebi-a-GCST90027161	7	4211388	T/C	0.792	0.208	0.013	0.012	0.299	19.839
rs34532618	ebi-a-GCST90027161	1	49870109	T/C	0.033	0.033	0.013	0.024	0.593	20.839
rs11060239	ebi-a-GCST90027161	12	129779173	T/C	0.687	0.313	0.013	0.011	0.256	25.522
rs62492602	ebi-a-GCST90027161	8	18123756	A/G	0.013	0.013	0.011	0.048	0.811	19.686
rs140863999	ebi-a-GCST90027161	8	3756288	T/C	0.982	0.018	0.007	0.058	0.900	22.294
rs3817017	ebi-a-GCST90027161	12	270805	T/C	0.373	0.373	0.001	0.010	0.915	19.702
rs8001712	ebi-a-GCST90027161	13	111839478	A/G	0.888	0.112	-0.010	0.016	0.527	20.586
rs8044673	ebi-a-GCST90027161	16	12632918	A/C	0.075	0.075	-0.013	0.020	0.532	20.959
rs2294507	ebi-a-GCST90027161	6	23444515	T/G	0.019	0.019	-0.028	0.034	0.408	21.893
rs187661415	ebi-a-GCST90027161	4	116714736	A/G	0.025	0.025	-0.037	0.031	0.229	21.172

rs117715179	ebi-a-GCST90027161	12	52984730	A/C	0.011	0.011	-0.061	0.051	0.227	20.704
rs112262082	ebi-a-GCST90027161	8	25512262	A/G	0.983	0.017	-0.065	0.037	0.079	21.422
PC ae C44:5										
rs144545795	ebi-a-GCST90027161	16	25849367	T/C	0.013	0.013	0.031	0.049	0.527	25.490
rs191567315	ebi-a-GCST90027161	1	194106592	T/C	0.020	0.020	0.029	0.033	0.380	24.944
rs141212872	ebi-a-GCST90027161	3	82726870	T/C	0.008	0.008	0.023	0.071	0.742	20.717
rs7086828	ebi-a-GCST90027161	10	120905214	T/G	0.160	0.160	0.019	0.015	0.199	21.169
rs73953746	ebi-a-GCST90027161	18	39906182	A/G	0.989	0.011	0.016	0.051	0.748	21.064
rs12995507	ebi-a-GCST90027161	2	19578275	T/C	0.778	0.222	0.015	0.012	0.199	21.403
rs6429175	ebi-a-GCST90027161	1	240203861	A/G	0.817	0.184	0.010	0.014	0.459	20.794
rs73096208	ebi-a-GCST90027161	20	15466861	A/G	0.050	0.050	0.007	0.023	0.757	20.013
rs17060632	ebi-a-GCST90027161	4	175475048	A/G	0.865	0.135	0.005	0.016	0.732	26.319
rs6856352	ebi-a-GCST90027161	4	58102272	A/G	0.390	0.390	0.004	0.011	0.687	20.667
rs3745784	ebi-a-GCST90027161	19	31768416	A/G	0.885	0.116	0.004	0.016	0.807	28.972
rs12105729	ebi-a-GCST90027161	2	7614263	A/G	0.835	0.166	0.002	0.014	0.909	19.916
rs56124623	ebi-a-GCST90027161	7	42460277	A/G	0.348	0.348	-0.001	0.011	0.926	21.193
rs2837962	ebi-a-GCST90027161	21	42518650	A/G	0.798	0.202	-0.004	0.012	0.741	24.401
rs35769372	ebi-a-GCST90027161	17	60745240	A/C	0.945	0.055	-0.004	0.024	0.864	25.357
rs1874747	ebi-a-GCST90027161	4	125638980	T/C	0.633	0.367	-0.005	0.010	0.640	20.615
rs113340856	ebi-a-GCST90027161	16	6839836	A/C	0.854	0.147	-0.006	0.014	0.694	19.804
rs9606905	ebi-a-GCST90027161	22	32516261	T/C	0.198	0.198	-0.007	0.013	0.587	23.257
rs62276260	ebi-a-GCST90027161	3	144708781	A/G	0.783	0.217	-0.008	0.012	0.507	22.945
rs2206890	ebi-a-GCST90027161	20	43899134	A/C	0.952	0.048	-0.009	0.025	0.713	20.263
rs376681	ebi-a-GCST90027161	6	29517093	A/G	0.537	0.464	-0.013	0.010	0.210	19.854
PC ae C44:6										
rs141722539	ebi-a-GCST90027161	18	22923910	T/C	0.990	0.010	0.072	0.056	0.195	22.241
rs2382371	ebi-a-GCST90027161	9	12780295	T/C	0.907	0.093	0.048	0.018	0.008	21.056
rs77868008	ebi-a-GCST90027161	16	17594622	T/G	0.962	0.039	0.028	0.025	0.263	20.400
rs61305080	ebi-a-GCST90027161	6	70374692	T/C	0.316	0.316	0.012	0.011	0.275	20.279
rs7101549	ebi-a-GCST90027161	11	127292476	T/G	0.766	0.234	0.011	0.012	0.354	21.778
rs328182	ebi-a-GCST90027161	18	44233349	A/G	0.774	0.226	0.000	0.012	0.973	27.719
rs12972818	ebi-a-GCST90027161	19	54126920	T/C	0.449	0.449	-0.001	0.011	0.909	20.913
rs12914626	ebi-a-GCST90027161	15	58738423	T/C	0.687	0.313	-0.014	0.011	0.208	30.116

rs72938679	ebi-a-GCST90027161	4	142365228	A/G	0.019	0.019	-0.016	0.037	0.671	20.541
rs61870258	ebi-a-GCST90027161	10	129361906	A/G	0.072	0.072	-0.017	0.021	0.403	22.042
rs4485268	ebi-a-GCST90027161	14	52227451	T/G	0.483	0.483	-0.026	0.015	0.076	23.325
rs41311430	ebi-a-GCST90027161	9	1056870	T/C	0.017	0.017	-0.030	0.036	0.401	21.065
rs183119467	ebi-a-GCST90027161	17	27500496	T/C	0.019	0.019	-0.037	0.042	0.388	19.735
rs116947623	ebi-a-GCST90027161	16	49787469	A/G	0.027	0.027	-0.040	0.033	0.222	19.926
rs78662669	ebi-a-GCST90027161	16	18007962	T/C	0.982	0.018	-0.057	0.036	0.114	25.252
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rs117998397	ebi-a-GCST90027161	20	54589248	C/T	0.027	0.027	0.050	0.033	0.137	19.987
rs117398832	ebi-a-GCST90027161	14	55296798	G/T	0.030	0.030	0.037	0.027	0.172	21.764
rs41279714	ebi-a-GCST90027161	1	109813485	T/C	0.061	0.061	0.024	0.020	0.231	19.995
rs1077835	ebi-a-GCST90027161	15	58723426	G/A	0.236	0.236	0.013	0.012	0.278	163.544
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	45.320
rs7238201	ebi-a-GCST90027161	18	47234614	G/A	0.524	0.476	0.011	0.010	0.264	24.802
rs1809699	ebi-a-GCST90027161	9	87705388	A/G	0.193	0.193	0.010	0.012	0.400	19.996
rs2044333	ebi-a-GCST90027161	15	58646656	A/G	0.493	0.493	0.010	0.010	0.305	21.190
rs56129415	ebi-a-GCST90027161	15	34275923	T/C	0.011	0.011	0.010	0.063	0.873	20.604
rs290772	ebi-a-GCST90027161	2	102126220	G/A	0.068	0.068	0.005	0.021	0.794	22.111
rs2387139	ebi-a-GCST90027161	1	247792305	A/G	0.418	0.418	0.005	0.011	0.637	23.742
rs11633043	ebi-a-GCST90027161	15	58837722	A/G	0.151	0.151	0.004	0.014	0.754	25.336
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	22.554
rs9358816	ebi-a-GCST90027161	6	24988520	C/T	0.586	0.414	-0.003	0.010	0.781	26.356
rs8090363	ebi-a-GCST90027161	18	47133828	G/A	0.619	0.381	-0.005	0.011	0.649	26.168
rs2954021	ebi-a-GCST90027161	8	126482077	G/A	0.529	0.471	-0.007	0.010	0.520	23.654
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	123.046
rs1019541	ebi-a-GCST90027161	16	60567079	G/A	0.625	0.375	-0.008	0.011	0.451	20.064
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	28.002
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	42.719
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	21.267
rs35874447	ebi-a-GCST90027161	12	125451589	G/A	0.249	0.249	-0.017	0.012	0.163	20.156
rs13331448	ebi-a-GCST90027161	16	19348138	T/G	0.100	0.100	-0.021	0.017	0.211	22.162
rs117048243	ebi-a-GCST90027161	18	75082292	A/G	0.039	0.039	-0.022	0.022	0.310	20.559
rs11654217	ebi-a-GCST90027161	17	45531884	G/T	0.199	0.199	-0.026	0.013	0.046	21.477

rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	29.509
rs17362684	ebi-a-GCST90027161	5	113873231	A/C	0.094	0.094	-0.030	0.018	0.088	21.383
rs13079649	ebi-a-GCST90027161	3	71383502	T/C	0.382	0.382	-0.043	0.014	0.003	21.998
rs114493857	ebi-a-GCST90027161	4	176445177	C/T	0.028	0.028	-0.078	0.037	0.033	20.504

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rs174598	ebi-a-GCST90027161	11	61621194	A/G	0.335	0.335	0.033	0.011	0.002	23.542
rs144768958	ebi-a-GCST90027161	7	156830850	C/A	0.025	0.025	0.032	0.040	0.417	24.336
rs34103899	ebi-a-GCST90027161	2	237461495	A/G	0.090	0.090	0.028	0.019	0.133	20.345
rs76975037	ebi-a-GCST90027161	8	19851508	A/C	0.088	0.088	0.021	0.019	0.271	35.457
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	20.402
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	30.030
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	24.860
rs117554760	ebi-a-GCST90027161	18	30750252	T/C	0.054	0.054	0.011	0.025	0.649	21.735
rs79663492	ebi-a-GCST90027161	10	73109562	G/A	0.041	0.041	0.004	0.039	0.909	20.794
rs629090	ebi-a-GCST90027161	13	21543678	A/G	0.359	0.359	0.001	0.011	0.963	20.033
rs2596397	ebi-a-GCST90027161	11	47247621	A/G	0.765	0.235	0.000	0.012	0.988	24.027
rs10455872	ebi-a-GCST90027161	6	161010118	G/A	0.065	0.065	-0.003	0.022	0.898	44.304
rs10011267	ebi-a-GCST90027161	4	89759734	T/C	0.272	0.272	-0.004	0.011	0.734	24.335
rs6805243	ebi-a-GCST90027161	3	1319706	C/T	0.585	0.415	-0.005	0.011	0.607	20.305
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	65.046
rs1168002	ebi-a-GCST90027161	1	62934308	G/A	0.670	0.330	-0.010	0.011	0.344	52.437
rs74229164	ebi-a-GCST90027161	1	22188762	T/C	0.225	0.225	-0.013	0.013	0.307	20.250
rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	19.822
rs13141053	ebi-a-GCST90027161	4	88212545	A/G	0.391	0.391	-0.024	0.011	0.025	26.081
rs2820283	ebi-a-GCST90027161	6	104734794	C/T	0.018	0.018	-0.025	0.042	0.549	21.939
rs483082	ebi-a-GCST90027161	19	45416178	T/G	0.235	0.235	-0.030	0.012	0.013	54.670

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rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	21.968
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	25.316
rs12655026	ebi-a-GCST90027161	5	32833603	T/C	0.260	0.260	0.030	0.012	0.009	20.561
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	21.835
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	45.017
rs952275	ebi-a-GCST90027161	2	21221399	G/T	0.485	0.485	0.012	0.010	0.244	114.689

rs11125327	ebi-a-GCST90027161	2	21483047	T/G	0.748	0.252	0.011	0.012	0.339	21.286
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	31.884
rs474589	ebi-a-GCST90027161	17	74885136	A/G	0.224	0.224	0.010	0.012	0.411	21.860
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	38.938
rs2954022	ebi-a-GCST90027161	8	126482621	A/C	0.387	0.387	0.009	0.014	0.537	49.785
rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	39.426
rs12266210	ebi-a-GCST90027161	10	55188322	T/C	0.281	0.281	0.005	0.011	0.664	20.493
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	81.779
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	50.993
rs7646323	ebi-a-GCST90027161	3	60477413	G/T	0.172	0.172	0.002	0.012	0.879	24.841
rs8177992	ebi-a-GCST90027161	1	155261156	A/G	0.014	0.014	0.002	0.045	0.973	21.487
rs11134475	ebi-a-GCST90027161	5	156399950	G/A	0.644	0.356	0.001	0.011	0.895	28.439
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	24.517
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	81.329
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	31.902
rs4971525	ebi-a-GCST90027161	2	20897345	C/T	0.384	0.384	-0.005	0.010	0.659	20.266
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	22.222
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	93.842
rs2965160	ebi-a-GCST90027161	19	45196135	G/A	0.359	0.359	-0.008	0.011	0.458	30.784
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	89.153
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	25.687
rs10244139	ebi-a-GCST90027161	7	100897350	G/A	0.053	0.053	-0.010	0.023	0.657	26.855
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	196.314
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	56.434
rs12048617	ebi-a-GCST90027161	1	25739064	A/G	0.551	0.449	-0.016	0.010	0.124	25.411
rs17248720	ebi-a-GCST90027161	19	11198187	T/C	0.107	0.107	-0.017	0.017	0.330	188.043
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	37.585
rs183130	ebi-a-GCST90027161	16	56991363	T/C	0.308	0.308	-0.022	0.011	0.047	23.463
rs9977179	ebi-a-GCST90027161	21	39345338	G/A	0.239	0.239	-0.023	0.012	0.059	24.299
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	36.362
rs73221046	ebi-a-GCST90027161	4	31423582	A/G	0.015	0.015	-0.031	0.059	0.598	21.601
rs80191143	ebi-a-GCST90027161	4	102105924	T/C	0.021	0.021	-0.070	0.043	0.104	21.713

Phospholipids in large HDL || id:met-c-879

rs147455794	ebi-a-GCST90027161	9	107231215	A/G	0.004	0.004	0.109	0.068	0.107	23.610
rs117998397	ebi-a-GCST90027161	20	54589248	C/T	0.027	0.027	0.050	0.033	0.137	22.026
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	30.160
rs28531961	ebi-a-GCST90027161	1	187230184	A/G	0.063	0.063	0.023	0.020	0.251	20.264
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	71.160
rs2070895	ebi-a-GCST90027161	15	58723939	A/G	0.236	0.236	0.013	0.012	0.259	264.319
rs7256730	ebi-a-GCST90027161	19	7208882	T/C	0.772	0.228	0.010	0.012	0.397	22.443
rs72801473	ebi-a-GCST90027161	5	132443929	C/T	0.250	0.250	0.007	0.012	0.539	20.354
rs291	ebi-a-GCST90027161	8	19815852	C/T	0.235	0.235	0.006	0.012	0.624	63.904
rs9532747	ebi-a-GCST90027161	13	41796542	A/G	0.071	0.071	0.005	0.020	0.809	21.769
rs3741521	ebi-a-GCST90027161	12	125264293	A/G	0.638	0.362	0.005	0.011	0.670	22.489
rs6905288	ebi-a-GCST90027161	6	43758873	A/G	0.569	0.431	0.003	0.010	0.794	20.443
rs4738065	ebi-a-GCST90027161	8	70960800	G/A	0.491	0.491	-0.005	0.010	0.655	20.597
rs9492485	ebi-a-GCST90027161	6	130514423	C/A	0.761	0.239	-0.005	0.012	0.693	20.311
rs11615241	ebi-a-GCST90027161	12	106005850	A/G	0.213	0.213	-0.007	0.013	0.577	23.880
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	310.666
rs16940472	ebi-a-GCST90027161	15	58835317	A/C	0.113	0.113	-0.009	0.017	0.607	35.559
rs3133431	ebi-a-GCST90027161	8	104058195	A/G	0.467	0.467	-0.015	0.014	0.307	24.148
rs56053817	ebi-a-GCST90027161	1	247128331	T/C	0.154	0.154	-0.015	0.014	0.287	20.671
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	314.363
rs2700831	ebi-a-GCST90027161	17	42041611	G/T	0.684	0.316	-0.025	0.011	0.024	23.660
rs12271743	ebi-a-GCST90027161	11	117026154	C/T	0.045	0.045	-0.027	0.023	0.243	24.985
rs17212176	ebi-a-GCST90027161	5	145395889	A/G	0.039	0.039	-0.030	0.026	0.237	21.425
rs1461729	ebi-a-GCST90027161	8	9187242	G/A	0.882	0.118	-0.031	0.016	0.049	25.449

Phospholipids in large LDL || id:met-c-885

rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	30.617
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	22.498
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	33.296
rs79915079	ebi-a-GCST90027161	19	11229066	A/G	0.025	0.025	0.027	0.035	0.431	43.855
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	21.913
rs835616	ebi-a-GCST90027161	5	174863690	G/A	0.640	0.360	0.018	0.011	0.082	27.544
rs73066442	ebi-a-GCST90027161	7	21592973	G/A	0.251	0.251	0.017	0.012	0.132	43.098
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	43.600

rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	28.542
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	40.400
rs2954022	ebi-a-GCST90027161	8	126482621	A/C	0.387	0.387	0.009	0.014	0.537	43.262
rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	34.574
rs10184290	ebi-a-GCST90027161	2	21093216	C/T	0.111	0.111	0.005	0.015	0.721	41.841
rs4567661	ebi-a-GCST90027161	15	38786114	C/A	0.346	0.346	0.005	0.011	0.646	21.273
rs934197	ebi-a-GCST90027161	2	21267461	A/G	0.310	0.310	0.004	0.011	0.731	106.034
rs149623	ebi-a-GCST90027161	5	123073197	C/T	0.471	0.471	0.004	0.010	0.719	22.151
rs12571962	ebi-a-GCST90027161	10	115056349	T/G	0.014	0.014	0.003	0.040	0.942	21.633
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	89.030
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	54.520
rs8177992	ebi-a-GCST90027161	1	155261156	A/G	0.014	0.014	0.002	0.045	0.973	20.165
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	27.802
rs6448772	ebi-a-GCST90027161	4	31410172	T/C	0.820	0.181	0.000	0.014	0.992	20.998
rs2294264	ebi-a-GCST90027161	6	16108431	T/C	0.496	0.496	-0.001	0.010	0.954	20.916
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	81.898
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	28.246
rs2965152	ebi-a-GCST90027161	19	45189000	A/G	0.438	0.438	-0.003	0.010	0.747	29.702
rs2733055	ebi-a-GCST90027161	8	5416240	A/C	0.788	0.212	-0.005	0.013	0.671	21.086
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	20.376
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	30.238
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	101.498
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	26.656
rs5746823	ebi-a-GCST90027161	22	16876636	A/G	0.027	0.027	-0.009	0.031	0.773	22.179
rs10244139	ebi-a-GCST90027161	7	100897350	G/A	0.053	0.053	-0.010	0.023	0.657	23.419
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	211.081
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	63.535
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	200.150
rs582717	ebi-a-GCST90027161	1	25726836	T/C	0.552	0.448	-0.016	0.010	0.105	21.690
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	53.893
rs9977179	ebi-a-GCST90027161	21	39345338	G/A	0.239	0.239	-0.023	0.012	0.059	20.147
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	44.560
rs10829040	ebi-a-GCST90027161	10	18917047	T/C	0.355	0.355	-0.028	0.011	0.008	20.324

rs2169387	ebi-a-GCST90027161	8	9181395	G/A	0.887	0.113	-0.033	0.016	0.041	24.156
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	482.674
Phospholipids in large VLDL id:met-c-891										
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	23.500
rs149776389	ebi-a-GCST90027161	1	172562749	C/A	0.016	0.016	0.024	0.039	0.544	21.441
rs76975037	ebi-a-GCST90027161	8	19851508	A/C	0.088	0.088	0.021	0.019	0.271	79.205
rs56255430	ebi-a-GCST90027161	19	19477877	C/A	0.077	0.077	0.019	0.020	0.346	47.301
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	25.201
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	23.165
rs144396749	ebi-a-GCST90027161	11	55653617	C/A	0.039	0.039	0.014	0.028	0.606	25.267
rs79116552	ebi-a-GCST90027161	2	237744637	A/G	0.059	0.059	0.012	0.023	0.584	21.177
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	33.077
rs476469	ebi-a-GCST90027161	11	117173560	T/C	0.404	0.404	0.009	0.010	0.411	21.092
rs4350231	ebi-a-GCST90027161	1	62922660	A/G	0.329	0.329	0.008	0.011	0.468	51.762
rs10779836	ebi-a-GCST90027161	1	230303150	T/C	0.793	0.207	0.008	0.013	0.547	25.307
rs4939921	ebi-a-GCST90027161	18	47462328	C/T	0.116	0.116	0.002	0.015	0.887	22.428
rs10240254	ebi-a-GCST90027161	7	10088010	G/A	0.294	0.294	-0.001	0.011	0.912	24.536
rs73212700	ebi-a-GCST90027161	7	114573879	C/T	0.043	0.043	-0.006	0.027	0.836	22.400
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	88.747
rs55730499	ebi-a-GCST90027161	6	161005610	T/C	0.065	0.065	-0.009	0.023	0.704	29.656
rs4746113	ebi-a-GCST90027161	10	74071178	A/G	0.334	0.334	-0.009	0.011	0.406	21.670
rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	29.057
rs11825541	ebi-a-GCST90027161	11	132001401	A/C	0.031	0.031	-0.014	0.032	0.662	20.848
rs77697917	ebi-a-GCST90027161	17	41840849	T/C	0.029	0.029	-0.018	0.030	0.547	23.497
rs7752733	ebi-a-GCST90027161	6	81207569	G/A	0.073	0.073	-0.019	0.020	0.337	21.354
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	29.958
rs438811	ebi-a-GCST90027161	19	45416741	T/C	0.235	0.235	-0.030	0.012	0.013	60.772
rs143977883	ebi-a-GCST90027161	5	103622217	C/T	0.014	0.014	-0.038	0.043	0.377	19.840
Phospholipids in medium HDL id:met-c-903										
rs79705790	ebi-a-GCST90027161	12	41201281	C/T	0.010	0.010	0.150	0.058	0.010	25.660
rs410324	ebi-a-GCST90027161	5	34626160	C/T	0.880	0.120	0.036	0.016	0.025	23.076
rs6073958	ebi-a-GCST90027161	20	44551855	C/T	0.196	0.196	0.031	0.013	0.015	39.723
rs112983422	ebi-a-GCST90027161	6	168316397	C/T	0.029	0.029	0.021	0.034	0.530	21.678

rs73207849	ebi-a-GCST90027161	4	6467765	A/G	0.132	0.132	0.019	0.015	0.210	21.312
rs11792307	ebi-a-GCST90027161	9	27609509	T/C	0.107	0.107	0.016	0.017	0.334	22.777
rs882633	ebi-a-GCST90027161	2	29280745	A/G	0.370	0.370	0.011	0.011	0.281	22.641
rs2325955	ebi-a-GCST90027161	3	84476217	T/G	0.169	0.169	0.006	0.013	0.675	22.302
rs78137712	ebi-a-GCST90027161	2	234809247	G/A	0.040	0.040	0.005	0.026	0.850	23.019
rs4601885	ebi-a-GCST90027161	12	125352603	C/T	0.366	0.366	0.005	0.011	0.655	20.258
rs7314695	ebi-a-GCST90027161	12	58930678	T/C	0.127	0.127	0.004	0.016	0.788	21.525
rs35853021	ebi-a-GCST90027161	15	58680643	T/G	0.366	0.366	0.004	0.011	0.701	29.913
rs2585639	ebi-a-GCST90027161	2	174179305	G/A	0.789	0.211	0.002	0.013	0.863	20.207
rs10414043	ebi-a-GCST90027161	19	45415713	A/G	0.133	0.133	0.002	0.015	0.913	20.652
rs4939884	ebi-a-GCST90027161	18	47167407	C/T	0.826	0.175	-0.002	0.013	0.864	51.604
rs144725638	ebi-a-GCST90027161	4	78740169	A/C	0.048	0.048	-0.003	0.027	0.901	20.618
rs11108420	ebi-a-GCST90027161	12	96503782	G/A	0.141	0.141	-0.003	0.014	0.811	26.100
rs2908699	ebi-a-GCST90027161	12	10004932	A/G	0.047	0.047	-0.006	0.024	0.787	21.007
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	23.522
rs12721111	ebi-a-GCST90027161	19	45446271	T/C	0.334	0.334	-0.008	0.011	0.456	21.315
rs4806224	ebi-a-GCST90027161	19	28793225	T/C	0.083	0.083	-0.011	0.019	0.569	20.179
rs590820	ebi-a-GCST90027161	1	230309619	G/A	0.426	0.426	-0.014	0.010	0.173	28.421
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	153.791
rs149398488	ebi-a-GCST90027161	1	62200349	A/G	0.012	0.012	-0.024	0.045	0.589	20.065
rs116522524	ebi-a-GCST90027161	3	35187219	A/G	0.040	0.040	-0.028	0.028	0.312	19.889
rs9987289	ebi-a-GCST90027161	8	9183358	G/A	0.893	0.107	-0.030	0.016	0.069	42.512

Phospholipids in medium LDL || id:met-c-908

rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	33.315
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	24.053
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	35.275
rs76453951	ebi-a-GCST90027161	8	9190564	T/C	0.131	0.131	0.028	0.015	0.059	20.865
rs79915079	ebi-a-GCST90027161	19	11229066	A/G	0.025	0.025	0.027	0.035	0.431	34.708
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	20.385
rs835616	ebi-a-GCST90027161	5	174863690	G/A	0.640	0.360	0.018	0.011	0.082	26.199
rs73066442	ebi-a-GCST90027161	7	21592973	G/A	0.251	0.251	0.017	0.012	0.132	38.682
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	27.709
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	30.542

rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	30.158
rs10184290	ebi-a-GCST90027161	2	21093216	C/T	0.111	0.111	0.005	0.015	0.721	32.522
rs147097143	ebi-a-GCST90027161	17	60238774	T/C	0.007	0.007	0.005	0.071	0.949	22.630
rs1367117	ebi-a-GCST90027161	2	21263900	A/G	0.310	0.310	0.004	0.011	0.741	93.534
rs149623	ebi-a-GCST90027161	5	123073197	C/T	0.471	0.471	0.004	0.010	0.719	20.899
rs599132	ebi-a-GCST90027161	10	14421688	C/A	0.561	0.439	0.003	0.010	0.799	25.054
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	77.372
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	47.091
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	25.486
rs36091905	ebi-a-GCST90027161	22	39629373	A/G	0.014	0.014	0.001	0.052	0.988	21.974
rs1885277	ebi-a-GCST90027161	1	67523784	A/G	0.693	0.307	0.001	0.011	0.955	20.714
rs6448772	ebi-a-GCST90027161	4	31410172	T/C	0.820	0.181	0.000	0.014	0.992	21.091
rs2294264	ebi-a-GCST90027161	6	16108431	T/C	0.496	0.496	-0.001	0.010	0.954	20.286
rs7906302	ebi-a-GCST90027161	10	115056097	G/T	0.047	0.047	-0.002	0.025	0.937	20.648
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	71.333
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	25.085
rs2965152	ebi-a-GCST90027161	19	45189000	A/G	0.438	0.438	-0.003	0.010	0.747	27.310
rs4620726	ebi-a-GCST90027161	11	67403833	C/T	0.806	0.194	-0.005	0.013	0.674	20.243
rs2495477	ebi-a-GCST90027161	1	55518467	G/A	0.414	0.414	-0.007	0.010	0.488	35.207
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	21.852
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	89.812
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	28.311
rs5746823	ebi-a-GCST90027161	22	16876636	A/G	0.027	0.027	-0.009	0.031	0.773	21.572
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	186.593
rs11249248	ebi-a-GCST90027161	1	25753051	C/T	0.552	0.448	-0.015	0.010	0.129	23.225
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	164.423
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	52.264
rs12916	ebi-a-GCST90027161	5	74656539	C/T	0.424	0.424	-0.020	0.010	0.046	66.952
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	47.673
rs1424813	ebi-a-GCST90027161	3	189225809	C/T	0.915	0.085	-0.028	0.018	0.121	20.926
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	426.226

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rs113565903	ebi-a-GCST90027161	1	26512556	T/C	0.029	0.029	0.109	0.030	0.000	22.350

rs74498950	ebi-a-GCST90027161	4	16642700	G/A	0.019	0.019	0.022	0.043	0.618	22.102
rs149041828	ebi-a-GCST90027161	11	55348366	T/C	0.039	0.039	0.021	0.028	0.456	23.372
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	27.439
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	21.293
rs12931763	ebi-a-GCST90027161	16	9189524	T/C	0.207	0.207	0.018	0.012	0.135	20.530
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	59.315
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	32.507
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	99.444
rs79116552	ebi-a-GCST90027161	2	237744637	A/G	0.059	0.059	0.012	0.023	0.584	28.271
rs72773224	ebi-a-GCST90027161	5	103265564	T/C	0.025	0.025	0.011	0.032	0.731	20.732
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	31.875
rs1464572	ebi-a-GCST90027161	2	45953910	T/C	0.405	0.405	0.009	0.010	0.361	20.466
rs536141	ebi-a-GCST90027161	11	117104536	A/C	0.441	0.441	0.009	0.010	0.396	26.558
rs4350231	ebi-a-GCST90027161	1	62922660	A/G	0.329	0.329	0.008	0.011	0.468	61.390
rs4259949	ebi-a-GCST90027161	13	62000911	G/T	0.309	0.309	0.008	0.011	0.479	20.365
rs10779836	ebi-a-GCST90027161	1	230303150	T/C	0.793	0.207	0.008	0.013	0.547	24.147
rs1042034	ebi-a-GCST90027161	2	21225281	T/C	0.770	0.230	0.007	0.012	0.556	74.023
rs17803280	ebi-a-GCST90027161	18	47954086	T/C	0.090	0.090	0.003	0.018	0.867	20.251
rs1817799	ebi-a-GCST90027161	5	125026967	A/G	0.763	0.238	0.002	0.012	0.877	20.406
rs147120251	ebi-a-GCST90027161	9	133633082	A/C	0.026	0.026	0.000	0.032	0.992	21.491
rs2980875	ebi-a-GCST90027161	8	126481747	G/A	0.477	0.477	-0.002	0.010	0.869	45.479
rs2963058	ebi-a-GCST90027161	19	23237287	C/T	0.190	0.190	-0.002	0.013	0.866	25.383
rs935840	ebi-a-GCST90027161	2	129260787	T/G	0.341	0.341	-0.003	0.011	0.757	21.319
rs6082264	ebi-a-GCST90027161	20	20957651	A/G	0.022	0.022	-0.005	0.036	0.897	21.975
rs28483956	ebi-a-GCST90027161	8	59405459	A/G	0.064	0.064	-0.007	0.020	0.741	21.661
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	90.532
rs4563214	ebi-a-GCST90027161	2	221276033	T/C	0.086	0.086	-0.008	0.018	0.651	21.291
rs72884948	ebi-a-GCST90027161	2	181214664	A/G	0.023	0.023	-0.013	0.044	0.777	20.218
rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	25.452
rs10401845	ebi-a-GCST90027161	19	11191536	C/T	0.191	0.191	-0.015	0.013	0.268	32.252
rs73214679	ebi-a-GCST90027161	8	19510168	C/T	0.345	0.345	-0.015	0.011	0.156	20.923
rs72660594	ebi-a-GCST90027161	1	55636240	C/T	0.023	0.023	-0.018	0.031	0.548	20.863
rs12916	ebi-a-GCST90027161	5	74656539	C/T	0.424	0.424	-0.020	0.010	0.046	31.543

rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	31.416
rs3826688	ebi-a-GCST90027161	19	45418961	C/T	0.664	0.336	-0.037	0.011	0.001	67.958
Phospholipids in small VLDL id:met-c-931										
rs113565903	ebi-a-GCST90027161	1	26512556	T/C	0.029	0.029	0.109	0.030	0.000	24.600
rs117186462	ebi-a-GCST90027161	19	20471321	A/G	0.015	0.015	0.046	0.039	0.234	22.521
rs77810663	ebi-a-GCST90027161	4	167289297	C/A	0.049	0.049	0.027	0.023	0.239	22.025
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	24.084
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	56.678
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	28.124
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	93.880
rs11607673	ebi-a-GCST90027161	11	58953420	T/C	0.484	0.484	0.013	0.010	0.223	28.544
rs79116552	ebi-a-GCST90027161	2	237744637	A/G	0.059	0.059	0.012	0.023	0.584	21.642
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	27.398
rs7605158	ebi-a-GCST90027161	2	128610021	C/T	0.104	0.104	0.008	0.017	0.611	22.402
rs11039167	ebi-a-GCST90027161	11	47319212	T/C	0.351	0.351	0.008	0.011	0.435	25.216
rs10779836	ebi-a-GCST90027161	1	230303150	T/C	0.793	0.207	0.008	0.013	0.547	23.943
rs1042034	ebi-a-GCST90027161	2	21225281	T/C	0.770	0.230	0.007	0.012	0.556	105.427
rs7978792	ebi-a-GCST90027161	12	129692152	C/A	0.086	0.086	0.005	0.020	0.797	20.396
rs147097143	ebi-a-GCST90027161	17	60238774	T/C	0.007	0.007	0.005	0.071	0.949	21.895
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	32.987
rs4143117	ebi-a-GCST90027161	2	20929124	C/T	0.299	0.299	-0.001	0.011	0.943	23.826
rs2980875	ebi-a-GCST90027161	8	126481747	G/A	0.477	0.477	-0.002	0.010	0.869	57.967
rs2963058	ebi-a-GCST90027161	19	23237287	C/T	0.190	0.190	-0.002	0.013	0.866	21.115
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	63.100
rs12207304	ebi-a-GCST90027161	6	97644935	A/C	0.324	0.324	-0.007	0.015	0.655	20.029
rs6997473	ebi-a-GCST90027161	8	59406223	G/A	0.064	0.064	-0.007	0.020	0.738	26.723
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	81.972
rs4563214	ebi-a-GCST90027161	2	221276033	T/C	0.086	0.086	-0.008	0.018	0.651	20.544
rs7828702	ebi-a-GCST90027161	8	3003780	G/A	0.107	0.107	-0.009	0.017	0.612	20.622
rs13225450	ebi-a-GCST90027161	7	72976123	T/C	0.126	0.126	-0.009	0.015	0.558	43.791
rs7605009	ebi-a-GCST90027161	2	21540399	A/G	0.094	0.094	-0.012	0.018	0.502	21.929
rs57913577	ebi-a-GCST90027161	18	31452508	T/C	0.146	0.146	-0.013	0.015	0.377	24.952
rs73214679	ebi-a-GCST90027161	8	19510168	C/T	0.345	0.345	-0.015	0.011	0.156	28.916

rs72660594	ebi-a-GCST90027161	1	55636240	C/T	0.023	0.023	-0.018	0.031	0.548	53.367
rs3846661	ebi-a-GCST90027161	5	74639178	G/A	0.421	0.421	-0.021	0.010	0.037	44.188
rs3764261	ebi-a-GCST90027161	16	56993324	A/C	0.308	0.308	-0.022	0.011	0.052	127.799
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	29.822
rs187607506	ebi-a-GCST90027161	1	55491915	T/C	0.205	0.205	-0.026	0.016	0.117	21.263
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	26.080
rs112784236	ebi-a-GCST90027161	11	76524089	A/G	0.039	0.039	-0.057	0.028	0.041	20.401

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rs13165227	ebi-a-GCST90027161	5	18802079	A/G	0.546	0.454	0.019	0.010	0.062	19.986
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	179.184
rs2042903	ebi-a-GCST90027161	19	7210802	G/A	0.595	0.405	0.016	0.010	0.132	20.002
rs111629662	ebi-a-GCST90027161	17	32355057	A/G	0.012	0.012	0.014	0.036	0.700	21.298
rs2070895	ebi-a-GCST90027161	15	58723939	A/G	0.236	0.236	0.013	0.012	0.259	365.876
rs2044333	ebi-a-GCST90027161	15	58646656	A/G	0.493	0.493	0.010	0.010	0.305	23.376
rs4149307	ebi-a-GCST90027161	9	107589744	T/C	0.135	0.135	0.007	0.015	0.635	33.191
rs291	ebi-a-GCST90027161	8	19815852	C/T	0.235	0.235	0.006	0.012	0.624	44.701
rs3741521	ebi-a-GCST90027161	12	125264293	A/G	0.638	0.362	0.005	0.011	0.670	31.436
rs11633043	ebi-a-GCST90027161	15	58837722	A/G	0.151	0.151	0.004	0.014	0.754	63.844
rs2575876	ebi-a-GCST90027161	9	107665739	A/G	0.221	0.221	0.003	0.013	0.844	46.339
rs73302914	ebi-a-GCST90027161	20	56227673	A/G	0.025	0.025	0.001	0.036	0.990	24.315
rs572498	ebi-a-GCST90027161	15	35070756	C/T	0.779	0.221	-0.002	0.012	0.858	20.442
rs7588023	ebi-a-GCST90027161	2	43150923	C/T	0.213	0.213	-0.002	0.016	0.884	23.145
rs6957745	ebi-a-GCST90027161	7	73056750	C/T	0.192	0.192	-0.003	0.013	0.796	23.973
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	409.344
rs6544366	ebi-a-GCST90027161	2	21204025	T/G	0.247	0.247	-0.011	0.012	0.321	33.683
rs686030	ebi-a-GCST90027161	9	15304782	A/C	0.864	0.136	-0.014	0.015	0.339	32.985
rs4503368	ebi-a-GCST90027161	1	161190250	C/T	0.542	0.458	-0.015	0.010	0.135	44.753
rs278367	ebi-a-GCST90027161	3	98435405	G/T	0.892	0.108	-0.020	0.017	0.248	20.249
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	232.689
rs2700831	ebi-a-GCST90027161	17	42041611	G/T	0.684	0.316	-0.025	0.011	0.024	19.843
rs16826375	ebi-a-GCST90027161	1	187049709	G/T	0.165	0.165	-0.033	0.013	0.013	19.937

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rs144768958	ebi-a-GCST90027161	7	156830850	C/A	0.025	0.025	0.032	0.040	0.417	24.038

rs4036623	ebi-a-GCST90027161	5	149892283	G/A	0.022	0.022	0.023	0.029	0.438	20.204
rs76975037	ebi-a-GCST90027161	8	19851508	A/C	0.088	0.088	0.021	0.019	0.271	50.760
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	43.636
rs138298601	ebi-a-GCST90027161	6	160874954	T/C	0.012	0.012	0.018	0.046	0.703	24.789
rs2099850	ebi-a-GCST90027161	19	53621561	A/G	0.532	0.469	0.015	0.010	0.130	20.916
rs9809229	ebi-a-GCST90027161	3	115849331	G/A	0.163	0.163	0.015	0.014	0.274	20.412
rs144396749	ebi-a-GCST90027161	11	55653617	C/A	0.039	0.039	0.014	0.028	0.606	22.092
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	26.822
rs536141	ebi-a-GCST90027161	11	117104536	A/C	0.441	0.441	0.009	0.010	0.396	25.982
rs62441169	ebi-a-GCST90027161	7	6926963	A/G	0.024	0.024	0.008	0.037	0.827	23.382
rs4686794	ebi-a-GCST90027161	3	186398690	G/A	0.449	0.449	0.007	0.010	0.488	20.206
rs1537043	ebi-a-GCST90027161	1	244381277	T/C	0.147	0.147	-0.002	0.015	0.905	21.034
rs10455872	ebi-a-GCST90027161	6	161010118	G/A	0.065	0.065	-0.003	0.022	0.898	35.708
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	60.350
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	77.444
rs74229164	ebi-a-GCST90027161	1	22188762	T/C	0.225	0.225	-0.013	0.013	0.307	25.500
rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	25.439
rs118018092	ebi-a-GCST90027161	16	20725864	T/C	0.050	0.050	-0.017	0.027	0.532	20.651
rs1035263	ebi-a-GCST90027161	2	208114630	C/A	0.111	0.111	-0.018	0.017	0.291	20.243
rs62182413	ebi-a-GCST90027161	2	189979936	C/T	0.191	0.191	-0.019	0.017	0.254	21.903
rs7730344	ebi-a-GCST90027161	5	74587940	A/C	0.328	0.328	-0.020	0.011	0.065	22.437
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	34.255
rs438811	ebi-a-GCST90027161	19	45416741	T/C	0.235	0.235	-0.030	0.012	0.013	56.164
rs117370939	ebi-a-GCST90027161	12	79284459	T/C	0.036	0.036	-0.049	0.030	0.097	20.272
rs117048027	ebi-a-GCST90027161	11	39597471	C/T	0.025	0.025	-0.050	0.029	0.087	20.013

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rs116341046	ebi-a-GCST90027161	3	193972976	C/T	0.013	0.013	0.057	0.044	0.197	20.865
rs9302635	ebi-a-GCST90027161	16	72144174	C/T	0.176	0.176	0.029	0.014	0.033	23.665
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	20.293
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	20.310
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	63.070
rs6944755	ebi-a-GCST90027161	7	3317999	A/G	0.335	0.335	0.012	0.011	0.274	21.475
rs952275	ebi-a-GCST90027161	2	21221399	G/T	0.485	0.485	0.012	0.010	0.244	119.218

rs2044333	ebi-a-GCST90027161	15	58646656	A/G	0.493	0.493	0.010	0.010	0.305	32.058
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	41.927
rs11633043	ebi-a-GCST90027161	15	58837722	A/G	0.151	0.151	0.004	0.014	0.754	20.149
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	61.663
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	43.390
rs7646323	ebi-a-GCST90027161	3	60477413	G/T	0.172	0.172	0.002	0.012	0.879	20.358
rs6882076	ebi-a-GCST90027161	5	156390297	C/T	0.643	0.357	0.001	0.011	0.931	25.885
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	50.168
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	69.142
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	25.075
rs13403407	ebi-a-GCST90027161	2	20902273	T/C	0.384	0.384	-0.005	0.010	0.637	20.396
rs113531395	ebi-a-GCST90027161	17	4886829	T/C	0.012	0.012	-0.007	0.053	0.899	31.904
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	155.621
rs2965160	ebi-a-GCST90027161	19	45196135	G/A	0.359	0.359	-0.008	0.011	0.458	24.869
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	68.526
rs1349326	ebi-a-GCST90027161	11	10376420	A/G	0.846	0.154	-0.010	0.014	0.483	20.207
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	146.129
rs55836855	ebi-a-GCST90027161	8	144999417	T/C	0.406	0.406	-0.013	0.010	0.212	28.508
rs56398555	ebi-a-GCST90027161	18	74803624	A/G	0.093	0.093	-0.013	0.018	0.478	21.005
rs6511720	ebi-a-GCST90027161	19	11202306	T/G	0.107	0.107	-0.014	0.017	0.429	161.429
rs75911124	ebi-a-GCST90027161	3	182832307	A/G	0.066	0.066	-0.015	0.029	0.603	20.643
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	53.016
rs10283342	ebi-a-GCST90027161	8	94685144	A/C	0.047	0.047	-0.015	0.026	0.560	22.683
rs4953023	ebi-a-GCST90027161	2	44074000	A/G	0.070	0.070	-0.015	0.019	0.440	31.283
rs12048617	ebi-a-GCST90027161	1	25739064	A/G	0.551	0.449	-0.016	0.010	0.124	25.931
rs1318006	ebi-a-GCST90027161	2	21214152	G/A	0.462	0.462	-0.019	0.010	0.065	28.309
rs183130	ebi-a-GCST90027161	16	56991363	T/C	0.308	0.308	-0.022	0.011	0.047	54.733
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	29.560
rs73221046	ebi-a-GCST90027161	4	31423582	A/G	0.015	0.015	-0.031	0.059	0.598	23.069
rs80191143	ebi-a-GCST90027161	4	102105924	T/C	0.021	0.021	-0.070	0.043	0.104	20.559
Pimelylcarnitine										
rs118170814	ebi-a-GCST90027161	18	66789879	T/C	0.981	0.019	0.054	0.044	0.214	25.262
rs2700825	ebi-a-GCST90027161	8	6008477	T/G	0.055	0.055	0.038	0.022	0.089	21.288

rs144973540	ebi-a-GCST90027161	6	52688062	A/G	0.013	0.013	0.038	0.041	0.362	20.081
rs41293345	ebi-a-GCST90027161	3	10417537	T/C	0.033	0.033	0.011	0.028	0.692	20.444
rs9645825	ebi-a-GCST90027161	12	62105951	T/C	0.050	0.050	0.006	0.026	0.806	22.115
rs12135654	ebi-a-GCST90027161	1	163436274	T/C	0.974	0.027	0.006	0.030	0.840	23.309
rs11245233	ebi-a-GCST90027161	10	128607478	A/G	0.493	0.493	0.001	0.015	0.936	23.700
rs10829367	ebi-a-GCST90027161	10	130063425	A/C	0.381	0.381	-0.005	0.011	0.670	21.311
rs117117166	ebi-a-GCST90027161	6	137561408	T/C	0.970	0.030	-0.007	0.027	0.787	19.617
rs373310968	ebi-a-GCST90027161	11	108229918	A/G	0.962	0.038	-0.010	0.034	0.763	21.962
rs11769922	ebi-a-GCST90027161	7	150786061	T/C	0.206	0.206	-0.023	0.013	0.076	20.853
rs35448862	ebi-a-GCST90027161	16	72155580	A/G	0.131	0.131	-0.037	0.016	0.020	24.305
rs186181876	ebi-a-GCST90027161	2	84250712	A/G	0.015	0.015	-0.069	0.041	0.091	22.024
Propenoylcarnitine										
rs35367822	ebi-a-GCST90027161	4	113190116	T/C	0.016	0.016	0.086	0.046	0.059	21.115
rs4792086	ebi-a-GCST90027161	17	10921144	T/C	0.924	0.076	0.041	0.018	0.022	21.425
rs1208461	ebi-a-GCST90027161	14	35331828	A/G	0.226	0.226	0.035	0.012	0.003	19.571
rs722046	ebi-a-GCST90027161	9	3969024	A/G	0.914	0.087	0.014	0.019	0.465	25.280
rs149659516	ebi-a-GCST90027161	22	18514138	T/C	0.033	0.033	0.011	0.029	0.704	20.278
rs114895607	ebi-a-GCST90027161	4	20513398	A/C	0.992	0.008	0.006	0.073	0.930	21.189
rs146791222	ebi-a-GCST90027161	12	31260213	T/C	0.889	0.111	0.006	0.015	0.682	19.706
rs2178997	ebi-a-GCST90027161	21	16331681	A/G	0.794	0.206	0.005	0.013	0.679	19.923
rs12243610	ebi-a-GCST90027161	10	134625693	A/G	0.128	0.128	0.004	0.015	0.761	24.919
rs7534262	ebi-a-GCST90027161	1	218259612	A/G	0.651	0.349	-0.003	0.011	0.798	21.818
rs7834132	ebi-a-GCST90027161	8	122346717	A/G	0.875	0.126	-0.003	0.016	0.835	22.736
rs114136820	ebi-a-GCST90027161	2	55612082	A/C	0.022	0.022	-0.005	0.037	0.894	20.311
rs72776980	ebi-a-GCST90027161	2	5518774	T/C	0.113	0.113	-0.010	0.017	0.549	21.223
rs8180539	ebi-a-GCST90027161	6	10315275	A/G	0.353	0.353	-0.018	0.011	0.098	19.674
rs142274513	ebi-a-GCST90027161	19	47140748	A/G	0.017	0.017	-0.034	0.052	0.522	19.898
Propionylcarnitine										
rs72817125	ebi-a-GCST90027161	16	54594295	T/G	0.060	0.060	0.027	0.023	0.248	19.808
rs62134776	ebi-a-GCST90027161	2	55154615	A/G	0.063	0.063	0.017	0.020	0.402	20.340
rs137906493	ebi-a-GCST90027161	8	28685322	T/C	0.981	0.019	0.017	0.050	0.740	19.514
rs28571854	ebi-a-GCST90027161	9	16472947	T/C	0.071	0.071	0.016	0.021	0.453	19.722
rs13139488	ebi-a-GCST90027161	4	106950689	A/G	0.013	0.013	0.013	0.062	0.839	20.259

rs146847723	ebi-a-GCST90027161	19	2580471	T/C	0.908	0.093	0.012	0.017	0.453	22.673
rs4687419	ebi-a-GCST90027161	3	193096529	T/C	0.707	0.293	0.009	0.011	0.451	20.190
rs6754474	ebi-a-GCST90027161	2	81310957	A/G	0.660	0.340	0.004	0.011	0.699	20.703
rs1171615	ebi-a-GCST90027161	10	61469090	T/C	0.801	0.199	0.001	0.013	0.915	326.878
rs17616999	ebi-a-GCST90027161	2	71821847	A/G	0.797	0.203	-0.006	0.013	0.650	20.250
rs151189490	ebi-a-GCST90027161	6	39995000	A/G	0.957	0.043	-0.006	0.023	0.782	19.870
rs11260613	ebi-a-GCST90027161	1	1736855	A/G	0.054	0.054	-0.008	0.022	0.725	29.826
rs609659	ebi-a-GCST90027161	5	72411800	A/G	0.547	0.454	-0.017	0.010	0.099	20.760
rs74933907	ebi-a-GCST90027161	6	165891718	A/G	0.969	0.031	-0.017	0.027	0.534	23.279
rs80254170	ebi-a-GCST90027161	6	160514283	A/G	0.921	0.079	-0.019	0.018	0.303	48.286
rs8015447	ebi-a-GCST90027161	14	22244436	T/C	0.931	0.069	-0.019	0.020	0.354	21.208
rs147933728	ebi-a-GCST90027161	13	100651516	T/C	0.013	0.013	-0.022	0.046	0.635	36.606
rs71571118	ebi-a-GCST90027161	6	121874661	A/G	0.942	0.059	-0.036	0.022	0.104	21.865
rs77010315	ebi-a-GCST90027161	5	150723155	A/C	0.009	0.009	-0.040	0.058	0.493	34.151
rs114977064	ebi-a-GCST90027161	4	189337196	A/G	0.026	0.026	-0.049	0.029	0.090	23.605
rs117636421	ebi-a-GCST90027161	22	34302336	T/C	0.013	0.013	-0.067	0.049	0.174	20.046

of bisallylic groups to double bonds || id:met-

rs3741252	ebi-a-GCST90027161	11	61511498	T/C	0.085	0.085	0.047	0.017	0.006	49.800
rs2131941	ebi-a-GCST90027161	13	110984039	A/C	0.028	0.028	0.034	0.030	0.255	23.987
rs4382917	ebi-a-GCST90027161	11	62221476	A/G	0.234	0.234	0.026	0.012	0.040	28.905
rs114509203	ebi-a-GCST90027161	1	20062859	A/G	0.009	0.009	0.023	0.045	0.606	21.984
rs11230889	ebi-a-GCST90027161	11	61823386	C/A	0.150	0.150	0.021	0.015	0.142	40.626
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	25.718
rs117226198	ebi-a-GCST90027161	9	12712132	T/C	0.023	0.023	0.015	0.036	0.685	28.478
rs279728	ebi-a-GCST90027161	20	45080421	T/C	0.076	0.076	0.013	0.022	0.549	20.452
rs76946874	ebi-a-GCST90027161	8	63889841	C/T	0.078	0.078	0.012	0.018	0.513	22.360
rs727018	ebi-a-GCST90027161	2	240675820	T/C	0.354	0.354	0.009	0.011	0.383	23.222
rs2924444	ebi-a-GCST90027161	11	61274381	A/G	0.772	0.228	0.003	0.012	0.789	30.054
rs11644601	ebi-a-GCST90027161	16	15172118	C/T	0.282	0.282	0.002	0.012	0.854	52.243
rs137908336	ebi-a-GCST90027161	11	97461604	A/C	0.056	0.056	0.001	0.023	0.967	20.008
rs13016880	ebi-a-GCST90027161	2	29712345	T/C	0.272	0.272	-0.005	0.011	0.696	21.087
rs12586482	ebi-a-GCST90027161	14	79646601	G/A	0.305	0.305	-0.005	0.011	0.663	22.145
rs1822411	ebi-a-GCST90027161	17	2870478	T/C	0.550	0.450	-0.007	0.010	0.510	21.113

rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	25.374
rs12406266	ebi-a-GCST90027161	1	62891825	A/G	0.441	0.441	-0.015	0.010	0.154	22.611
rs35418847	ebi-a-GCST90027161	4	186525785	T/C	0.035	0.035	-0.021	0.024	0.372	24.488
rs80031913	ebi-a-GCST90027161	3	58589364	A/G	0.101	0.101	-0.022	0.017	0.187	25.852
rs10980325	ebi-a-GCST90027161	9	113091653	C/A	0.345	0.345	-0.025	0.014	0.080	22.465
rs118033720	ebi-a-GCST90027161	13	100738907	A/G	0.020	0.020	-0.037	0.044	0.397	20.833
rs117821138	ebi-a-GCST90027161	10	124784454	T/C	0.028	0.028	-0.073	0.029	0.011	21.022
rs61745128	ebi-a-GCST90027161	9	37405297	A/G	0.022	0.022	-0.094	0.038	0.013	20.288

of bisallylic groups to total fatty acids || id:me

rs41501646	ebi-a-GCST90027161	11	62188072	G/A	0.015	0.015	0.111	0.047	0.017	32.275
rs114509203	ebi-a-GCST90027161	1	20062859	A/G	0.009	0.009	0.023	0.045	0.606	20.431
rs112054687	ebi-a-GCST90027161	18	73866143	G/A	0.017	0.017	0.023	0.039	0.560	19.980
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	26.944
rs12226389	ebi-a-GCST90027161	11	61823630	C/T	0.183	0.183	0.016	0.013	0.239	56.316
rs114761906	ebi-a-GCST90027161	5	35672584	A/G	0.060	0.060	0.015	0.022	0.493	22.509
rs117226198	ebi-a-GCST90027161	9	12712132	T/C	0.023	0.023	0.015	0.036	0.685	29.231
rs727018	ebi-a-GCST90027161	2	240675820	T/C	0.354	0.354	0.009	0.011	0.383	20.057
rs10178407	ebi-a-GCST90027161	2	29717847	T/C	0.386	0.386	0.001	0.010	0.941	27.181
rs10193405	ebi-a-GCST90027161	2	137178076	A/G	0.709	0.291	-0.002	0.011	0.826	22.925
rs10738815	ebi-a-GCST90027161	9	29450817	T/G	0.506	0.494	-0.003	0.010	0.783	20.607
rs11042199	ebi-a-GCST90027161	11	9175378	T/C	0.184	0.184	-0.003	0.013	0.826	23.362
rs4423356	ebi-a-GCST90027161	14	79647594	T/C	0.305	0.305	-0.006	0.011	0.627	20.012
rs4122352	ebi-a-GCST90027161	16	15174571	A/G	0.243	0.243	-0.007	0.016	0.674	48.243
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	30.572
rs10744608	ebi-a-GCST90027161	12	3510079	A/G	0.532	0.468	-0.008	0.010	0.423	20.660
rs4457667	ebi-a-GCST90027161	10	120225953	T/C	0.074	0.074	-0.009	0.022	0.673	21.912
rs12422981	ebi-a-GCST90027161	12	57294066	C/T	0.484	0.484	-0.010	0.010	0.345	20.449
rs113394924	ebi-a-GCST90027161	11	62082293	G/T	0.051	0.051	-0.017	0.022	0.439	44.534
rs35418847	ebi-a-GCST90027161	4	186525785	T/C	0.035	0.035	-0.021	0.024	0.372	26.950
rs10980325	ebi-a-GCST90027161	9	113091653	C/A	0.345	0.345	-0.025	0.014	0.080	20.997
rs7637275	ebi-a-GCST90027161	3	14650968	T/C	0.110	0.110	-0.026	0.016	0.094	20.425

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rs76136208	ebi-a-GCST90027161	22	21385277	T/C	0.021	0.021	0.047	0.033	0.158	20.400

rs11601507	ebi-a-GCST90027161	11	5701074	A/C	0.074	0.074	0.041	0.019	0.030	19.732
rs12144422	ebi-a-GCST90027161	1	185527844	A/G	0.963	0.037	0.026	0.029	0.382	22.799
rs186561874	ebi-a-GCST90027161	3	23256335	A/G	0.988	0.012	0.025	0.046	0.586	23.005
rs532436	ebi-a-GCST90027161	9	136149830	A/G	0.624	0.376	0.009	0.013	0.491	27.278
rs9457816	ebi-a-GCST90027161	6	160473798	A/G	0.985	0.015	0.008	0.041	0.839	20.308
rs34918046	ebi-a-GCST90027161	16	83224540	T/G	0.167	0.167	0.006	0.014	0.662	19.612
rs67278519	ebi-a-GCST90027161	2	73389311	T/C	0.124	0.124	0.001	0.015	0.932	19.998
rs4728417	ebi-a-GCST90027161	7	137139930	A/C	0.919	0.081	-0.002	0.019	0.939	24.736
rs12880341	ebi-a-GCST90027161	14	64236191	T/C	0.852	0.149	-0.002	0.015	0.873	237.513
rs9374352	ebi-a-GCST90027161	6	112961006	T/C	0.480	0.480	-0.005	0.010	0.618	30.787
rs680379	ebi-a-GCST90027161	20	12969400	A/G	0.369	0.369	-0.009	0.011	0.383	34.752
rs6025624	ebi-a-GCST90027161	20	56131731	T/C	0.105	0.105	-0.012	0.017	0.482	23.546
rs74450637	ebi-a-GCST90027161	2	48221041	T/G	0.945	0.055	-0.017	0.024	0.474	27.743
rs112671733	ebi-a-GCST90027161	5	7081547	T/C	0.017	0.017	-0.018	0.037	0.635	20.958
SM (OH) C16:1										
rs111308638	ebi-a-GCST90027161	22	26114723	T/C	0.011	0.011	0.043	0.053	0.419	20.367
rs374784992	ebi-a-GCST90027161	4	119585039	A/G	0.945	0.055	0.039	0.028	0.160	20.439
rs115952693	ebi-a-GCST90027161	4	82395627	A/G	0.969	0.031	0.025	0.032	0.426	20.683
rs115326853	ebi-a-GCST90027161	2	48058233	T/C	0.146	0.146	0.025	0.015	0.092	23.535
rs117437503	ebi-a-GCST90027161	7	4148500	T/C	0.023	0.023	0.020	0.039	0.607	20.141
rs66684280	ebi-a-GCST90027161	14	64349595	T/G	0.103	0.103	0.014	0.017	0.410	30.450
rs11752267	ebi-a-GCST90027161	6	89157778	T/C	0.897	0.103	0.011	0.015	0.457	22.331
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	25.057
rs12709705	ebi-a-GCST90027161	18	37923342	A/G	0.119	0.119	0.008	0.015	0.580	21.522
rs57470915	ebi-a-GCST90027161	14	32672480	A/G	0.819	0.181	0.008	0.017	0.658	20.102
rs373383692	ebi-a-GCST90027161	1	168715416	T/G	0.581	0.419	0.005	0.014	0.738	20.129
rs17205618	ebi-a-GCST90027161	18	65902039	T/C	0.966	0.034	0.003	0.027	0.912	20.430
rs4237819	ebi-a-GCST90027161	12	131015848	T/G	0.723	0.277	0.002	0.012	0.877	20.077
rs74869716	ebi-a-GCST90027161	14	91642040	A/G	0.032	0.032	0.001	0.028	0.969	21.991
rs4728417	ebi-a-GCST90027161	7	137139930	A/C	0.919	0.081	-0.002	0.019	0.939	19.593
rs34280536	ebi-a-GCST90027161	13	81152558	A/G	0.293	0.293	-0.005	0.012	0.688	19.843
rs2912050	ebi-a-GCST90027161	8	6558730	T/G	0.479	0.479	-0.005	0.010	0.612	20.001
rs117255977	ebi-a-GCST90027161	19	45744785	T/C	0.019	0.019	-0.007	0.037	0.845	20.435

rs9457829	ebi-a-GCST90027161	6	160508113	A/G	0.015	0.015	-0.009	0.041	0.833	21.026
rs364585	ebi-a-GCST90027161	20	12962718	A/G	0.368	0.368	-0.010	0.011	0.347	45.728
rs4293285	ebi-a-GCST90027161	14	51825453	T/C	0.080	0.080	-0.012	0.021	0.584	22.809
rs112671733	ebi-a-GCST90027161	5	7081547	T/C	0.017	0.017	-0.018	0.037	0.635	22.263
rs79165424	ebi-a-GCST90027161	19	29916920	A/C	0.898	0.102	-0.018	0.017	0.294	19.674
rs190665860	ebi-a-GCST90027161	12	131591852	A/G	0.011	0.011	-0.019	0.058	0.743	23.733
rs117692586	ebi-a-GCST90027161	12	117463770	T/C	0.039	0.039	-0.025	0.027	0.365	24.766
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	34.648
rs71565347	ebi-a-GCST90027161	6	32722961	A/G	0.023	0.023	-0.096	0.030	0.001	21.734
SM (OH) C22:1										
rs60164976	ebi-a-GCST90027161	18	56190042	A/G	0.017	0.017	0.062	0.039	0.107	20.647
rs4786195	ebi-a-GCST90027161	16	7841920	T/C	0.890	0.110	0.036	0.017	0.035	26.061
rs78395390	ebi-a-GCST90027161	22	34196908	A/G	0.059	0.059	0.024	0.022	0.282	19.750
rs12188810	ebi-a-GCST90027161	5	164308642	A/G	0.059	0.059	0.017	0.021	0.418	25.541
rs111989435	ebi-a-GCST90027161	19	11187611	A/G	0.893	0.107	0.016	0.017	0.355	24.431
rs12471031	ebi-a-GCST90027161	2	8734140	T/C	0.178	0.178	0.014	0.013	0.294	20.204
rs187497533	ebi-a-GCST90027161	3	143473252	T/C	0.990	0.010	0.012	0.061	0.844	20.111
rs2519093	ebi-a-GCST90027161	9	136141870	T/C	0.624	0.376	0.009	0.013	0.502	19.753
rs6085163	ebi-a-GCST90027161	20	5415568	T/C	0.527	0.473	-0.001	0.010	0.923	23.137
rs7680621	ebi-a-GCST90027161	4	130922159	A/C	0.846	0.154	-0.004	0.014	0.782	22.956
rs7896431	ebi-a-GCST90027161	10	45937423	T/C	0.480	0.480	-0.006	0.010	0.589	21.122
rs13271343	ebi-a-GCST90027161	8	6138746	T/C	0.799	0.201	-0.008	0.012	0.500	21.287
rs114288917	ebi-a-GCST90027161	17	13839752	T/C	0.948	0.052	-0.013	0.024	0.593	22.171
rs9423684	ebi-a-GCST90027161	10	3163512	T/G	0.132	0.132	-0.016	0.015	0.308	23.478
rs2072114	ebi-a-GCST90027161	11	61605215	A/G	0.818	0.182	-0.019	0.012	0.132	21.523
rs190208862	ebi-a-GCST90027161	8	89613000	A/G	0.023	0.023	-0.021	0.038	0.579	22.509
rs34664891	ebi-a-GCST90027161	2	216857706	T/C	0.811	0.189	-0.039	0.013	0.003	21.821
SM (OH) C22:2										
rs58300152	ebi-a-GCST90027161	4	1597044	A/G	0.017	0.017	0.075	0.047	0.111	21.410
rs11601507	ebi-a-GCST90027161	11	5701074	A/C	0.074	0.074	0.041	0.019	0.030	21.679
rs143772995	ebi-a-GCST90027161	7	155167639	A/G	0.010	0.010	0.025	0.073	0.731	20.283
rs12987567	ebi-a-GCST90027161	2	240762770	A/G	0.286	0.286	0.020	0.011	0.081	20.070
rs138775224	ebi-a-GCST90027161	9	102668399	T/G	0.051	0.051	0.020	0.021	0.344	23.943

rs2803951	ebi-a-GCST90027161	14	73067590	T/C	0.546	0.454	0.014	0.010	0.176	21.007
rs909974	ebi-a-GCST90027161	16	1486352	T/C	0.557	0.443	0.010	0.010	0.319	20.403
rs12327595	ebi-a-GCST90027161	19	55426945	A/G	0.023	0.023	0.008	0.038	0.840	23.711
rs73199397	ebi-a-GCST90027161	13	64859349	T/C	0.035	0.035	0.003	0.026	0.912	21.129
rs75243080	ebi-a-GCST90027161	8	11509311	T/C	0.866	0.134	0.002	0.016	0.917	19.597
rs6850916	ebi-a-GCST90027161	4	181896388	T/C	0.404	0.404	-0.010	0.010	0.316	19.646
rs11254282	ebi-a-GCST90027161	10	16972983	T/C	0.821	0.179	-0.023	0.014	0.095	23.418
rs71525096	ebi-a-GCST90027161	8	88436809	T/C	0.015	0.015	-0.036	0.047	0.444	19.612
rs111903126	ebi-a-GCST90027161	15	29428514	T/C	0.007	0.007	-0.044	0.051	0.394	19.617
rs34508891	ebi-a-GCST90027161	17	6850087	T/C	0.986	0.014	-0.054	0.050	0.278	20.211
SM C16:0										
rs115057662	ebi-a-GCST90027161	3	30204398	A/G	0.022	0.022	0.091	0.040	0.022	21.411
rs6928166	ebi-a-GCST90027161	6	19016929	A/C	0.955	0.045	0.032	0.024	0.182	22.524
rs2118682	ebi-a-GCST90027161	7	41644357	A/G	0.980	0.020	0.030	0.040	0.447	20.871
rs79227836	ebi-a-GCST90027161	20	22677470	A/C	0.022	0.022	0.030	0.035	0.380	25.329
rs147970557	ebi-a-GCST90027161	2	197986613	T/G	0.992	0.008	0.017	0.074	0.821	20.188
rs532436	ebi-a-GCST90027161	9	136149830	A/G	0.624	0.376	0.009	0.013	0.491	35.262
rs150642171	ebi-a-GCST90027161	9	38688616	T/C	0.983	0.017	0.008	0.044	0.865	19.575
rs9991869	ebi-a-GCST90027161	4	114693506	A/G	0.325	0.325	0.005	0.011	0.660	20.539
rs4072978	ebi-a-GCST90027161	12	72741251	T/C	0.662	0.338	0.002	0.011	0.876	24.411
rs12544099	ebi-a-GCST90027161	8	2950037	T/C	0.028	0.028	-0.003	0.028	0.905	20.668
rs5758666	ebi-a-GCST90027161	22	42632833	A/G	0.231	0.231	-0.007	0.013	0.572	23.742
rs646776	ebi-a-GCST90027161	1	109818530	T/C	0.779	0.221	-0.008	0.012	0.526	28.548
rs12418547	ebi-a-GCST90027161	11	57751001	A/G	0.953	0.047	-0.008	0.023	0.724	21.850
rs56405031	ebi-a-GCST90027161	4	228929	A/G	0.048	0.048	-0.008	0.024	0.735	22.563
rs10786261	ebi-a-GCST90027161	10	97781028	A/C	0.359	0.359	-0.009	0.011	0.397	22.341
rs59732187	ebi-a-GCST90027161	12	95387784	T/C	0.091	0.091	-0.009	0.017	0.592	23.247
rs10274136	ebi-a-GCST90027161	7	138432792	T/C	0.770	0.230	-0.009	0.012	0.450	23.821
rs10981126	ebi-a-GCST90027161	9	114621854	A/G	0.213	0.213	-0.011	0.013	0.374	21.128
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	19.604
rs12926134	ebi-a-GCST90027161	16	78818933	T/C	0.931	0.069	-0.018	0.021	0.390	19.898
rs9295128	ebi-a-GCST90027161	6	160751531	T/G	0.016	0.016	-0.023	0.041	0.579	20.339
rs4155	ebi-a-GCST90027161	4	117440814	A/G	0.142	0.142	-0.024	0.015	0.122	23.030

rs112502880	ebi-a-GCST90027161	17	67134806	T/C	0.966	0.034	-0.028	0.039	0.472	23.035
rs75522698	ebi-a-GCST90027161	7	97799776	T/C	0.020	0.020	-0.038	0.034	0.266	22.397
rs74705624	ebi-a-GCST90027161	15	36230411	A/G	0.934	0.066	-0.044	0.025	0.072	19.646
rs144879671	ebi-a-GCST90027161	1	234498854	A/G	0.982	0.018	-0.046	0.039	0.235	22.064
rs115524526	ebi-a-GCST90027161	8	59931048	T/C	0.979	0.021	-0.047	0.040	0.246	21.740
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	61.848
rs72815072	ebi-a-GCST90027161	17	31079451	T/C	0.986	0.014	-0.095	0.054	0.080	24.124

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rs147970207	ebi-a-GCST90027161	20	47911361	T/C	0.012	0.012	0.029	0.047	0.539	20.001
rs117098410	ebi-a-GCST90027161	7	88868972	A/G	0.021	0.021	0.027	0.036	0.454	21.160
rs9989462	ebi-a-GCST90027161	17	9003646	A/G	0.504	0.497	0.017	0.010	0.087	24.347
rs9921959	ebi-a-GCST90027161	16	7870185	T/C	0.924	0.076	0.016	0.019	0.409	20.963
rs144826254	ebi-a-GCST90027161	19	11187358	T/G	0.893	0.107	0.016	0.017	0.362	24.814
rs2519093	ebi-a-GCST90027161	9	136141870	T/C	0.624	0.376	0.009	0.013	0.502	28.465
rs1491045	ebi-a-GCST90027161	12	77875196	T/G	0.717	0.283	0.008	0.012	0.474	30.814
rs546588	ebi-a-GCST90027161	17	74431885	A/G	0.021	0.021	0.007	0.033	0.838	21.521
rs10305445	ebi-a-GCST90027161	6	39026537	T/C	0.078	0.078	0.003	0.020	0.862	23.414
rs3828137	ebi-a-GCST90027161	1	177920754	A/G	0.390	0.390	0.001	0.011	0.892	21.342
rs1567049	ebi-a-GCST90027161	4	126447482	T/C	0.951	0.049	0.001	0.023	0.979	22.585
rs5758666	ebi-a-GCST90027161	22	42632833	A/G	0.231	0.231	-0.007	0.013	0.572	20.491
rs74976159	ebi-a-GCST90027161	1	171970898	T/C	0.037	0.037	-0.008	0.033	0.821	20.236
rs10786261	ebi-a-GCST90027161	10	97781028	A/C	0.359	0.359	-0.009	0.011	0.397	22.497
rs59732187	ebi-a-GCST90027161	12	95387784	T/C	0.091	0.091	-0.009	0.017	0.592	21.082
rs10274136	ebi-a-GCST90027161	7	138432792	T/C	0.770	0.230	-0.009	0.012	0.450	26.623
rs10981126	ebi-a-GCST90027161	9	114621854	A/G	0.213	0.213	-0.011	0.013	0.374	31.950
rs6650701	ebi-a-GCST90027161	18	74738889	A/G	0.022	0.022	-0.015	0.030	0.619	23.447
rs17189291	ebi-a-GCST90027161	3	67002097	T/G	0.057	0.057	-0.025	0.022	0.245	20.266
rs174561	ebi-a-GCST90027161	11	61582708	T/C	0.663	0.337	-0.036	0.011	0.001	63.893
rs9477941	ebi-a-GCST90027161	6	19023448	A/G	0.042	0.042	-0.040	0.025	0.114	19.856
rs138967898	ebi-a-GCST90027161	14	73818413	A/G	0.014	0.014	-0.041	0.043	0.334	19.612
rs223950	ebi-a-GCST90027161	4	12917939	T/C	0.037	0.037	-0.047	0.030	0.115	21.300
rs141082203	ebi-a-GCST90027161	13	48093663	T/C	0.992	0.008	-0.068	0.080	0.392	19.882

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rs140915178	ebi-a-GCST90027161	3	181934674	A/G	0.014	0.014	0.063	0.052	0.230	21.805
rs76473647	ebi-a-GCST90027161	12	49680002	A/G	0.018	0.018	0.059	0.038	0.121	20.503
rs79227836	ebi-a-GCST90027161	20	22677470	A/C	0.022	0.022	0.030	0.035	0.380	23.283
rs186561874	ebi-a-GCST90027161	3	23256335	A/G	0.988	0.012	0.025	0.046	0.586	21.294
rs148472295	ebi-a-GCST90027161	1	239871992	T/C	0.984	0.016	0.024	0.040	0.541	20.291
rs78605789	ebi-a-GCST90027161	15	83383231	A/G	0.976	0.024	0.016	0.033	0.626	25.555
rs4907673	ebi-a-GCST90027161	13	112847208	A/C	0.209	0.209	0.013	0.012	0.288	20.014
rs532436	ebi-a-GCST90027161	9	136149830	A/G	0.624	0.376	0.009	0.013	0.491	28.868
rs2065098	ebi-a-GCST90027161	9	114390747	A/G	0.282	0.282	0.008	0.011	0.471	20.615
rs34918046	ebi-a-GCST90027161	16	83224540	T/G	0.167	0.167	0.006	0.014	0.662	23.964
rs10915933	ebi-a-GCST90027161	1	226279050	A/G	0.443	0.443	0.005	0.010	0.650	22.776
rs6432169	ebi-a-GCST90027161	2	11226776	A/G	0.608	0.392	0.003	0.011	0.770	20.127
rs7292020	ebi-a-GCST90027161	22	45089211	A/G	0.125	0.125	0.001	0.016	0.932	20.145
rs137869943	ebi-a-GCST90027161	1	41339680	T/C	0.016	0.016	0.000	0.046	0.993	23.612
rs7094678	ebi-a-GCST90027161	10	102146851	A/C	0.064	0.064	-0.006	0.022	0.771	23.660
rs11872870	ebi-a-GCST90027161	18	66162830	T/C	0.232	0.232	-0.007	0.012	0.555	20.250
rs35106244	ebi-a-GCST90027161	19	49203829	T/C	0.392	0.392	-0.009	0.011	0.440	24.267
rs12996587	ebi-a-GCST90027161	2	21436314	T/C	0.142	0.142	-0.009	0.018	0.618	20.163
rs10274136	ebi-a-GCST90027161	7	138432792	T/C	0.770	0.230	-0.009	0.012	0.450	22.133
rs62101232	ebi-a-GCST90027161	18	77722454	T/C	0.867	0.133	-0.011	0.016	0.485	19.862
rs118098118	ebi-a-GCST90027161	15	52862676	A/G	0.038	0.038	-0.012	0.026	0.649	22.202
rs112671733	ebi-a-GCST90027161	5	7081547	T/C	0.017	0.017	-0.018	0.037	0.635	19.552
rs74381531	ebi-a-GCST90027161	3	44775257	T/G	0.966	0.034	-0.018	0.025	0.474	21.028
rs113538757	ebi-a-GCST90027161	1	6801282	A/G	0.036	0.036	-0.020	0.029	0.479	21.208
rs17189291	ebi-a-GCST90027161	3	67002097	T/G	0.057	0.057	-0.025	0.022	0.245	21.264
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	39.587
rs144695414	ebi-a-GCST90027161	3	59147237	A/G	0.005	0.005	-0.138	0.094	0.143	22.592
SM C18:1										
rs117169499	ebi-a-GCST90027161	8	30384509	T/C	0.023	0.023	0.083	0.039	0.034	23.545
rs174544	ebi-a-GCST90027161	11	61567753	A/C	0.334	0.334	0.035	0.011	0.001	44.033
rs79227836	ebi-a-GCST90027161	20	22677470	A/C	0.022	0.022	0.030	0.035	0.380	23.121
rs71655815	ebi-a-GCST90027161	1	103742410	A/G	0.958	0.042	0.028	0.027	0.298	21.543
rs10838272	ebi-a-GCST90027161	11	44390655	T/C	0.219	0.219	0.027	0.012	0.026	21.724

rs148472295	ebi-a-GCST90027161	1	239871992	T/C	0.984	0.016	0.024	0.040	0.541	20.748
rs141132208	ebi-a-GCST90027161	4	45238457	A/G	0.009	0.009	0.021	0.067	0.754	19.604
rs78605789	ebi-a-GCST90027161	15	83383231	A/G	0.976	0.024	0.016	0.033	0.626	20.107
rs56289462	ebi-a-GCST90027161	9	77096616	T/C	0.053	0.053	0.016	0.021	0.453	21.218
rs75331221	ebi-a-GCST90027161	15	90598734	T/C	0.973	0.028	0.005	0.026	0.835	22.018
rs13053973	ebi-a-GCST90027161	22	45178447	T/C	0.342	0.342	0.004	0.011	0.743	26.031
rs75163958	ebi-a-GCST90027161	16	10221698	T/G	0.014	0.014	0.003	0.045	0.953	22.170
rs3828137	ebi-a-GCST90027161	1	177920754	A/G	0.390	0.390	0.001	0.011	0.892	25.699
rs860554	ebi-a-GCST90027161	1	201262432	T/C	0.207	0.207	0.000	0.017	0.992	22.593
rs9593779	ebi-a-GCST90027161	13	83906273	T/C	0.963	0.037	0.000	0.031	0.994	22.178
rs2388255	ebi-a-GCST90027161	10	2580562	A/G	0.215	0.215	-0.002	0.012	0.855	21.030
rs8105664	ebi-a-GCST90027161	19	8290878	A/G	0.216	0.216	-0.006	0.012	0.615	82.830
rs7094678	ebi-a-GCST90027161	10	102146851	A/C	0.064	0.064	-0.006	0.022	0.771	22.646
rs10274136	ebi-a-GCST90027161	7	138432792	T/C	0.770	0.230	-0.009	0.012	0.450	21.074
rs62101232	ebi-a-GCST90027161	18	77722454	T/C	0.867	0.133	-0.011	0.016	0.485	20.339
rs9866361	ebi-a-GCST90027161	3	178907849	A/G	0.152	0.152	-0.022	0.014	0.126	26.326
rs11244051	ebi-a-GCST90027161	9	136128731	A/G	0.023	0.023	-0.026	0.036	0.475	23.453
rs17767434	ebi-a-GCST90027161	14	71806727	A/G	0.098	0.098	-0.038	0.018	0.037	20.230
rs151334234	ebi-a-GCST90027161	3	53928052	A/G	0.994	0.006	-0.043	0.048	0.376	20.034
rs116327085	ebi-a-GCST90027161	2	65732546	A/G	0.025	0.025	-0.049	0.039	0.206	22.575
SM C20:2										
rs147121835	ebi-a-GCST90027161	2	194718906	T/C	0.012	0.012	0.025	0.047	0.593	19.687
rs115992846	ebi-a-GCST90027161	3	178576019	T/G	0.043	0.043	0.023	0.025	0.340	19.783
rs78512558	ebi-a-GCST90027161	11	11606686	T/G	0.033	0.033	0.017	0.030	0.560	24.187
rs117576745	ebi-a-GCST90027161	14	47901238	A/G	0.043	0.043	0.017	0.028	0.556	20.689
rs11611353	ebi-a-GCST90027161	12	82653976	T/C	0.926	0.074	0.007	0.019	0.717	19.742
rs62578082	ebi-a-GCST90027161	9	129277041	A/C	0.887	0.113	0.003	0.016	0.856	22.230
rs9519822	ebi-a-GCST90027161	13	106527653	A/G	0.775	0.225	-0.001	0.013	0.970	20.860
rs1737351	ebi-a-GCST90027161	1	15121523	A/G	0.255	0.255	-0.008	0.011	0.506	20.671
rs72861236	ebi-a-GCST90027161	6	48465385	T/C	0.031	0.031	-0.013	0.028	0.654	19.550
rs73029502	ebi-a-GCST90027161	19	30055611	A/G	0.026	0.026	-0.014	0.030	0.634	25.681
rs12076209	ebi-a-GCST90027161	1	6094800	A/G	0.475	0.475	-0.019	0.010	0.063	20.157
rs111286370	ebi-a-GCST90027161	20	3805317	T/C	0.087	0.087	-0.026	0.019	0.168	20.991

rs2559543	ebi-a-GCST90027161	10	80167733	A/C	0.849	0.151	-0.028	0.014	0.040	19.660
rs174564	ebi-a-GCST90027161	11	61588305	A/G	0.628	0.372	-0.035	0.010	0.001	55.856
rs75512233	ebi-a-GCST90027161	16	57591835	T/C	0.019	0.019	-0.061	0.043	0.161	20.023
rs117058688	ebi-a-GCST90027161	12	97109543	A/G	0.014	0.014	-0.143	0.045	0.001	21.878
SM C24:0										
rs77699477	ebi-a-GCST90027161	3	107594430	A/G	0.949	0.051	0.055	0.022	0.013	19.756
rs116615411	ebi-a-GCST90027161	1	229050833	A/G	0.978	0.022	0.047	0.037	0.199	22.700
rs17026724	ebi-a-GCST90027161	2	41059808	T/C	0.886	0.114	0.020	0.016	0.205	19.623
rs35456930	ebi-a-GCST90027161	8	126453911	A/C	0.240	0.240	0.019	0.012	0.116	20.705
rs168815	ebi-a-GCST90027161	5	164609589	A/G	0.969	0.031	0.010	0.028	0.709	22.029
rs112033975	ebi-a-GCST90027161	12	131522967	T/C	0.022	0.022	0.010	0.032	0.766	22.385
rs56042533	ebi-a-GCST90027161	6	81509616	T/C	0.019	0.019	0.009	0.039	0.818	21.578
rs10192158	ebi-a-GCST90027161	2	53382238	T/C	0.863	0.137	0.007	0.015	0.621	20.190
rs117373922	ebi-a-GCST90027161	12	28361117	A/G	0.023	0.023	0.006	0.033	0.866	22.926
rs113533638	ebi-a-GCST90027161	6	89418106	T/C	0.980	0.020	0.003	0.038	0.948	19.832
rs75270719	ebi-a-GCST90027161	17	38097674	A/C	0.054	0.054	-0.001	0.021	0.974	19.573
rs12427098	ebi-a-GCST90027161	12	78376401	A/G	0.255	0.255	-0.001	0.012	0.927	20.882
rs17540418	ebi-a-GCST90027161	6	50959261	T/C	0.128	0.128	-0.002	0.015	0.905	21.042
rs79864863	ebi-a-GCST90027161	4	168293678	T/C	0.042	0.042	-0.005	0.025	0.845	21.254
rs112105951	ebi-a-GCST90027161	17	41816956	T/C	0.028	0.028	-0.011	0.040	0.779	21.632
rs76233799	ebi-a-GCST90027161	1	21649926	T/C	0.074	0.074	-0.015	0.019	0.421	21.160
rs73015020	ebi-a-GCST90027161	19	11192550	A/G	0.108	0.108	-0.016	0.017	0.366	23.276
rs13080954	ebi-a-GCST90027161	3	194265971	T/C	0.921	0.079	-0.022	0.019	0.252	19.898
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	30.944
rs141082203	ebi-a-GCST90027161	13	48093663	T/C	0.992	0.008	-0.068	0.080	0.392	29.141
rs74683069	ebi-a-GCST90027161	12	12721069	T/C	0.023	0.023	-0.077	0.044	0.082	22.512
rs149449864	ebi-a-GCST90027161	6	151875607	T/C	0.007	0.007	-0.113	0.093	0.222	20.346
SM C24:1										
rs146035742	ebi-a-GCST90027161	7	151554120	T/C	0.012	0.012	0.097	0.056	0.085	21.235
rs147006247	ebi-a-GCST90027161	3	95677982	A/G	0.972	0.028	0.029	0.028	0.294	20.364
rs11675623	ebi-a-GCST90027161	2	8711325	A/G	0.316	0.316	0.007	0.011	0.543	19.724
rs112771816	ebi-a-GCST90027161	7	91854327	T/C	0.113	0.113	0.004	0.016	0.811	20.624
rs1163978	ebi-a-GCST90027161	12	17544296	A/G	0.669	0.331	0.003	0.011	0.748	21.338

rs62265063	ebi-a-GCST90027161	3	112737264	A/C	0.967	0.034	0.003	0.026	0.915	19.782
rs41306310	ebi-a-GCST90027161	10	5140323	T/C	0.053	0.053	0.001	0.026	0.961	20.176
rs996822	ebi-a-GCST90027161	20	5250423	T/C	0.298	0.298	0.000	0.011	0.990	21.442
rs73189719	ebi-a-GCST90027161	8	5675230	A/C	0.837	0.163	-0.001	0.013	0.968	19.994
rs3766378	ebi-a-GCST90027161	1	160807409	A/G	0.198	0.198	-0.001	0.013	0.955	20.621
rs12405977	ebi-a-GCST90027161	1	115895377	A/G	0.615	0.385	-0.002	0.010	0.873	22.862
rs1883025	ebi-a-GCST90027161	9	107664301	T/C	0.226	0.226	-0.002	0.013	0.862	23.592
rs7197967	ebi-a-GCST90027161	16	72007232	A/G	0.144	0.144	-0.007	0.015	0.638	21.915
rs78070419	ebi-a-GCST90027161	9	124859360	T/C	0.984	0.016	-0.009	0.046	0.849	20.793
rs59732187	ebi-a-GCST90027161	12	95387784	T/C	0.091	0.091	-0.009	0.017	0.592	23.564
rs7183612	ebi-a-GCST90027161	15	70138158	A/G	0.466	0.466	-0.015	0.010	0.148	21.905
rs10871418	ebi-a-GCST90027161	16	74126352	T/G	0.160	0.160	-0.017	0.015	0.236	21.224
rs150446293	ebi-a-GCST90027161	11	114446627	T/C	0.013	0.013	-0.024	0.053	0.654	21.292
rs116899309	ebi-a-GCST90027161	6	157441220	T/C	0.013	0.013	-0.041	0.046	0.374	26.563
rs72686093	ebi-a-GCST90027161	14	22129890	T/C	0.014	0.014	-0.042	0.048	0.377	20.140
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	32.399
rs73273426	ebi-a-GCST90027161	14	54810828	A/G	0.013	0.013	-0.060	0.047	0.201	20.985
rs35036465	ebi-a-GCST90027161	7	31360467	A/G	0.026	0.026	-0.093	0.033	0.006	24.780
rs74983671	ebi-a-GCST90027161	17	64497250	T/G	0.011	0.011	-0.097	0.053	0.069	20.195

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rs144687069	ebi-a-GCST90027161	17	5811331	T/C	0.025	0.025	0.097	0.034	0.004	24.361
rs147231789	ebi-a-GCST90027161	6	38607542	T/G	0.022	0.022	0.062	0.036	0.088	19.762
rs3730607	ebi-a-GCST90027161	12	69222809	T/C	0.021	0.021	0.048	0.038	0.215	20.801
rs55647056	ebi-a-GCST90027161	16	58889284	T/G	0.075	0.075	0.029	0.019	0.120	19.793
rs75679663	ebi-a-GCST90027161	17	4667972	A/C	0.014	0.014	0.026	0.043	0.537	91.148
rs632271	ebi-a-GCST90027161	11	65042638	C/T	0.055	0.055	0.022	0.021	0.281	23.902
rs115092198	ebi-a-GCST90027161	4	109287723	T/G	0.034	0.034	0.022	0.030	0.466	25.072
rs1800588	ebi-a-GCST90027161	15	58723675	T/C	0.230	0.230	0.015	0.012	0.193	67.231
rs61836803	ebi-a-GCST90027161	1	235172752	T/C	0.510	0.490	0.015	0.010	0.143	21.685
rs13392272	ebi-a-GCST90027161	2	21217490	T/C	0.465	0.465	0.015	0.010	0.142	31.683
rs62270355	ebi-a-GCST90027161	3	125062531	T/C	0.118	0.118	0.015	0.017	0.368	20.046
rs151030943	ebi-a-GCST90027161	19	10690009	A/G	0.177	0.177	0.013	0.013	0.324	22.367
rs11596711	ebi-a-GCST90027161	10	52854471	T/G	0.057	0.057	0.007	0.021	0.732	19.724

rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	30.185
rs10445742	ebi-a-GCST90027161	2	231034645	G/A	0.312	0.312	0.002	0.011	0.868	25.511
rs115534052	ebi-a-GCST90027161	4	75128036	G/A	0.031	0.031	0.001	0.027	0.969	20.481
rs112392511	ebi-a-GCST90027161	1	187974220	C/T	0.049	0.049	-0.001	0.021	0.974	20.734
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	20.915
rs9561703	ebi-a-GCST90027161	13	95520368	A/G	0.328	0.328	-0.002	0.011	0.834	21.010
rs1833721	ebi-a-GCST90027161	5	164894962	G/T	0.846	0.154	-0.004	0.014	0.798	21.961
rs242954	ebi-a-GCST90027161	10	119297823	A/C	0.934	0.066	-0.005	0.021	0.818	20.089
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	35.397
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	85.258
rs13096357	ebi-a-GCST90027161	3	48675856	A/C	0.109	0.109	-0.012	0.016	0.449	23.820
rs174418	ebi-a-GCST90027161	15	58687603	C/T	0.589	0.412	-0.015	0.010	0.162	42.010
rs12195227	ebi-a-GCST90027161	6	139964113	A/G	0.018	0.018	-0.025	0.032	0.441	19.730
rs11654217	ebi-a-GCST90027161	17	45531884	G/T	0.199	0.199	-0.026	0.013	0.046	26.155
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	28.678
rs4745913	ebi-a-GCST90027161	10	68451867	T/C	0.120	0.120	-0.031	0.016	0.045	25.618
rs141622900	ebi-a-GCST90027161	19	45426792	A/G	0.048	0.048	-0.078	0.024	0.001	52.369

Tetradecadienylcarnitine

rs113532770	ebi-a-GCST90027161	16	84730046	T/C	0.991	0.009	0.154	0.069	0.026	22.036
rs143651313	ebi-a-GCST90027161	8	40046236	A/C	0.013	0.013	0.023	0.049	0.642	19.875
rs11213126	ebi-a-GCST90027161	11	109478437	A/G	0.056	0.056	0.017	0.023	0.462	20.250
rs35588	ebi-a-GCST90027161	16	16139878	A/G	0.689	0.311	0.009	0.011	0.393	32.064
rs72833924	ebi-a-GCST90027161	17	5721894	T/C	0.260	0.260	0.004	0.012	0.716	21.404
rs2820439	ebi-a-GCST90027161	1	219633311	A/G	0.208	0.208	-0.002	0.013	0.875	19.551
rs9322536	ebi-a-GCST90027161	6	156130723	A/G	0.335	0.335	-0.003	0.011	0.811	20.593
rs8396	ebi-a-GCST90027161	4	159630817	T/C	0.720	0.280	-0.003	0.012	0.766	24.434
rs11748835	ebi-a-GCST90027161	5	106258427	T/C	0.832	0.169	-0.011	0.013	0.423	20.686
rs7958507	ebi-a-GCST90027161	12	22250653	A/C	0.032	0.032	-0.023	0.024	0.355	21.319
rs2400091	ebi-a-GCST90027161	10	14817342	A/C	0.804	0.196	-0.024	0.018	0.178	20.437
rs12404666	ebi-a-GCST90027161	1	118932325	T/C	0.981	0.019	-0.029	0.037	0.434	21.332
rs12950492	ebi-a-GCST90027161	17	33469802	T/C	0.019	0.019	-0.051	0.042	0.218	19.896
rs55909986	ebi-a-GCST90027161	5	77206127	T/C	0.987	0.013	-0.059	0.047	0.214	21.520
rs186181876	ebi-a-GCST90027161	2	84250712	A/G	0.015	0.015	-0.069	0.041	0.091	26.766

Tetradecanoylcarnitine

rs6003231	ebi-a-GCST90027161	22	23046614	T/G	0.113	0.113	0.025	0.023	0.270	22.700
rs34101971	ebi-a-GCST90027161	15	95514406	T/C	0.956	0.044	0.020	0.023	0.382	21.716
rs7005431	ebi-a-GCST90027161	8	80516672	A/G	0.090	0.090	0.011	0.018	0.536	19.576
rs610505	ebi-a-GCST90027161	11	126883696	A/C	0.705	0.295	0.011	0.011	0.350	23.556
rs79170194	ebi-a-GCST90027161	1	245191651	A/G	0.957	0.043	0.006	0.023	0.781	20.261
rs6602517	ebi-a-GCST90027161	10	11761810	T/C	0.738	0.262	-0.001	0.012	0.952	20.140
rs4930201	ebi-a-GCST90027161	11	67301565	A/G	0.074	0.074	-0.001	0.021	0.950	20.937
rs12144369	ebi-a-GCST90027161	1	227254045	T/C	0.376	0.376	-0.002	0.010	0.871	20.459
rs7602340	ebi-a-GCST90027161	2	172517228	A/G	0.848	0.152	-0.003	0.015	0.829	20.507
rs9390398	ebi-a-GCST90027161	6	146927816	T/C	0.487	0.487	-0.016	0.010	0.130	19.827
rs74895886	ebi-a-GCST90027161	18	51202170	A/G	0.016	0.016	-0.018	0.042	0.665	19.993
rs298143	ebi-a-GCST90027161	1	60844683	T/C	0.143	0.143	-0.020	0.018	0.273	24.798
rs78969529	ebi-a-GCST90027161	5	124957745	T/G	0.992	0.008	-0.026	0.064	0.684	24.233
rs77279279	ebi-a-GCST90027161	2	189725296	T/C	0.015	0.015	-0.028	0.049	0.572	24.112
rs11752883	ebi-a-GCST90027161	6	107041368	A/C	0.989	0.011	-0.114	0.056	0.041	19.843

Tetradecenoylcarnitine

rs983309	ebi-a-GCST90027161	8	9177732	T/G	0.131	0.131	0.041	0.015	0.007	21.901
rs73112325	ebi-a-GCST90027161	3	61103740	A/G	0.037	0.037	0.036	0.028	0.204	19.930
rs1048397	ebi-a-GCST90027161	6	158519008	T/C	0.050	0.050	0.025	0.021	0.233	23.175
rs145787227	ebi-a-GCST90027161	13	33952290	A/G	0.015	0.015	0.024	0.045	0.592	19.903
rs72690122	ebi-a-GCST90027161	4	132428114	A/G	0.164	0.164	0.005	0.014	0.705	21.513
rs72833924	ebi-a-GCST90027161	17	5721894	T/C	0.260	0.260	0.004	0.012	0.716	22.779
rs73129033	ebi-a-GCST90027161	12	60970510	A/C	0.964	0.036	0.003	0.032	0.931	20.289
rs77719586	ebi-a-GCST90027161	3	48469628	T/C	0.994	0.006	0.001	0.089	0.992	25.271
rs17843966	ebi-a-GCST90027161	4	159629814	A/C	0.745	0.255	0.000	0.012	0.994	35.562
rs1868616	ebi-a-GCST90027161	3	7505487	A/G	0.806	0.194	-0.001	0.012	0.942	20.087
rs1171619	ebi-a-GCST90027161	10	61465838	A/G	0.188	0.188	-0.008	0.014	0.553	21.016
rs4473869	ebi-a-GCST90027161	6	156119866	T/C	0.219	0.219	-0.010	0.013	0.414	20.537
rs73192217	ebi-a-GCST90027161	13	54058844	A/G	0.969	0.031	-0.011	0.027	0.683	22.858
rs17269766	ebi-a-GCST90027161	2	114553427	A/G	0.980	0.020	-0.017	0.047	0.723	20.946
rs74865865	ebi-a-GCST90027161	2	167638334	A/G	0.873	0.127	-0.017	0.015	0.240	19.793
rs9278	ebi-a-GCST90027161	7	150750980	T/C	0.195	0.195	-0.024	0.013	0.070	19.633

rs12404666	ebi-a-GCST90027161	1	118932325	T/C	0.981	0.019	-0.029	0.037	0.434	19.979
rs117592357	ebi-a-GCST90027161	8	92359548	A/G	0.014	0.014	-0.035	0.044	0.434	20.586
rs186181876	ebi-a-GCST90027161	2	84250712	A/G	0.015	0.015	-0.069	0.041	0.091	26.766
Tigylcarnitine										
rs191382996	ebi-a-GCST90027161	1	112174561	A/G	0.989	0.011	0.064	0.058	0.275	22.256
rs75073488	ebi-a-GCST90027161	8	131555522	A/C	0.028	0.028	0.035	0.032	0.278	22.233
rs116952416	ebi-a-GCST90027161	12	105487678	A/G	0.039	0.039	0.031	0.029	0.292	20.444
rs6034144	ebi-a-GCST90027161	20	15264242	T/C	0.592	0.408	-0.001	0.010	0.910	23.052
rs7290053	ebi-a-GCST90027161	22	47960151	A/G	0.838	0.162	-0.010	0.014	0.476	21.823
rs2345015	ebi-a-GCST90027161	7	46481419	T/C	0.047	0.047	-0.011	0.024	0.639	20.713
rs1151989	ebi-a-GCST90027161	3	12513246	A/G	0.708	0.292	-0.024	0.011	0.034	19.813
rs149719179	ebi-a-GCST90027161	17	6193226	A/C	0.986	0.014	-0.040	0.049	0.417	21.259
rs60569410	ebi-a-GCST90027161	5	107461685	A/C	0.977	0.023	-0.063	0.037	0.083	20.154
rs115615519	ebi-a-GCST90027161	4	121381049	A/G	0.981	0.019	-0.064	0.044	0.147	22.851
Total cholesterol in IDL id:met-c-867										
rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	29.068
rs12451744	ebi-a-GCST90027161	17	45441804	A/G	0.166	0.166	0.044	0.014	0.002	21.629
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	25.633
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	36.149
rs28733017	ebi-a-GCST90027161	15	96890855	C/T	0.052	0.052	0.025	0.020	0.207	23.463
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	20.858
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	28.194
rs952275	ebi-a-GCST90027161	2	21221399	G/T	0.485	0.485	0.012	0.010	0.244	110.657
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	27.187
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	41.630
rs149623	ebi-a-GCST90027161	5	123073197	C/T	0.471	0.471	0.004	0.010	0.719	24.178
rs12526577	ebi-a-GCST90027161	6	159634608	G/A	0.424	0.424	0.003	0.011	0.808	20.238
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	94.091
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	40.353
rs151297021	ebi-a-GCST90027161	1	11143456	C/T	0.048	0.048	0.001	0.028	0.963	21.294
rs7095805	ebi-a-GCST90027161	10	14419103	A/C	0.423	0.423	0.001	0.010	0.921	21.240
rs6882076	ebi-a-GCST90027161	5	156390297	C/T	0.643	0.357	0.001	0.011	0.931	22.924
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	39.764

rs73037689	ebi-a-GCST90027161	7	3636581	A/C	0.214	0.214	-0.002	0.013	0.877	23.649
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	90.692
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	34.853
rs2965159	ebi-a-GCST90027161	19	45196062	G/A	0.402	0.402	-0.004	0.010	0.675	30.417
rs113531395	ebi-a-GCST90027161	17	4886829	T/C	0.012	0.012	-0.007	0.053	0.899	21.209
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	74.242
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	104.439
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	32.137
rs7046369	ebi-a-GCST90027161	9	16831375	C/T	0.739	0.262	-0.010	0.012	0.423	20.990
rs1349326	ebi-a-GCST90027161	11	10376420	A/G	0.846	0.154	-0.010	0.014	0.483	20.164
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	206.541
rs1607215	ebi-a-GCST90027161	2	45009997	C/T	0.445	0.445	-0.015	0.010	0.157	20.373
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	69.233
rs12048617	ebi-a-GCST90027161	1	25739064	A/G	0.551	0.449	-0.016	0.010	0.124	28.765
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	190.348
rs6933060	ebi-a-GCST90027161	6	155548082	T/C	0.874	0.126	-0.018	0.016	0.250	20.426
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	46.627
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	34.132
rs73221046	ebi-a-GCST90027161	4	31423582	A/G	0.015	0.015	-0.031	0.059	0.598	25.346
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	426.083

Total cholesterol in large HDL || id:met-c-874

rs11632618	ebi-a-GCST90027161	15	58724706	A/G	0.060	0.060	0.036	0.023	0.118	86.844
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	21.099
rs78383009	ebi-a-GCST90027161	10	49914012	G/A	0.022	0.022	0.019	0.037	0.602	21.142
rs67049067	ebi-a-GCST90027161	20	55251750	T/C	0.036	0.036	0.019	0.028	0.499	20.072
rs1689791	ebi-a-GCST90027161	1	182151909	G/A	0.318	0.318	0.018	0.011	0.093	28.322
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	134.469
rs632557	ebi-a-GCST90027161	1	230398102	G/A	0.937	0.063	0.017	0.020	0.411	24.416
rs40270	ebi-a-GCST90027161	5	55804552	C/A	0.745	0.255	0.016	0.011	0.174	22.972
rs4149303	ebi-a-GCST90027161	9	107594515	G/A	0.110	0.110	0.010	0.017	0.560	25.763
rs291	ebi-a-GCST90027161	8	19815852	C/T	0.235	0.235	0.006	0.012	0.624	74.309
rs261291	ebi-a-GCST90027161	15	58680178	C/T	0.362	0.362	0.005	0.011	0.635	311.424
rs9532747	ebi-a-GCST90027161	13	41796542	A/G	0.071	0.071	0.005	0.020	0.809	20.831

rs3741521	ebi-a-GCST90027161	12	125264293	A/G	0.638	0.362	0.005	0.011	0.670	29.095
rs6905288	ebi-a-GCST90027161	6	43758873	A/G	0.569	0.431	0.003	0.010	0.794	21.462
rs73302914	ebi-a-GCST90027161	20	56227673	A/G	0.025	0.025	0.001	0.036	0.990	20.297
rs2711740	ebi-a-GCST90027161	12	105978253	A/C	0.772	0.228	-0.002	0.012	0.873	28.810
rs1883025	ebi-a-GCST90027161	9	107664301	T/C	0.226	0.226	-0.002	0.013	0.862	33.563
rs2034355	ebi-a-GCST90027161	8	492899	A/G	0.672	0.329	-0.003	0.011	0.792	19.984
rs6957745	ebi-a-GCST90027161	7	73056750	C/T	0.192	0.192	-0.003	0.013	0.796	28.786
rs8079	ebi-a-GCST90027161	8	104081226	G/A	0.574	0.426	-0.007	0.010	0.535	21.718
rs187505938	ebi-a-GCST90027161	7	44877646	G/T	0.048	0.048	-0.007	0.024	0.771	20.390
rs114264597	ebi-a-GCST90027161	3	9635933	T/C	0.030	0.030	-0.008	0.030	0.785	20.616
rs4984399	ebi-a-GCST90027161	15	95151877	A/G	0.391	0.391	-0.008	0.011	0.441	20.088
rs79868330	ebi-a-GCST90027161	7	96429682	T/C	0.020	0.020	-0.008	0.037	0.819	24.169
rs6544366	ebi-a-GCST90027161	2	21204025	T/G	0.247	0.247	-0.011	0.012	0.321	33.944
rs4503368	ebi-a-GCST90027161	1	161190250	C/T	0.542	0.458	-0.015	0.010	0.135	20.298
rs117771152	ebi-a-GCST90027161	9	127059548	C/T	0.023	0.023	-0.016	0.034	0.636	20.532
rs570524	ebi-a-GCST90027161	9	15295483	T/C	0.869	0.131	-0.017	0.015	0.271	23.695
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	377.465
rs73424577	ebi-a-GCST90027161	15	58869185	G/A	0.033	0.033	-0.024	0.028	0.389	67.980
rs2700831	ebi-a-GCST90027161	17	42041611	G/T	0.684	0.316	-0.025	0.011	0.024	22.388
rs12271743	ebi-a-GCST90027161	11	117026154	C/T	0.045	0.045	-0.027	0.023	0.243	23.324
rs1461729	ebi-a-GCST90027161	8	9187242	G/A	0.882	0.118	-0.031	0.016	0.049	21.415
rs111543310	ebi-a-GCST90027161	15	59531818	C/T	0.025	0.025	-0.048	0.034	0.157	48.056
Total cholesterol in large LDL id:met-c-880										
rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	33.071
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	21.885
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	39.319
rs76453951	ebi-a-GCST90027161	8	9190564	T/C	0.131	0.131	0.028	0.015	0.059	24.183
rs28733017	ebi-a-GCST90027161	15	96890855	C/T	0.052	0.052	0.025	0.020	0.207	21.109
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	20.738
rs835616	ebi-a-GCST90027161	5	174863690	G/A	0.640	0.360	0.018	0.011	0.082	26.703
rs73066442	ebi-a-GCST90027161	7	21592973	G/A	0.251	0.251	0.017	0.012	0.132	40.975
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	34.104
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	23.468

rs2954022	ebi-a-GCST90027161	8	126482621	A/C	0.387	0.387	0.009	0.014	0.537	34.875
rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	33.610
rs10184290	ebi-a-GCST90027161	2	21093216	C/T	0.111	0.111	0.005	0.015	0.721	43.803
rs934197	ebi-a-GCST90027161	2	21267461	A/G	0.310	0.310	0.004	0.011	0.731	107.521
rs149623	ebi-a-GCST90027161	5	123073197	C/T	0.471	0.471	0.004	0.010	0.719	24.849
rs12571962	ebi-a-GCST90027161	10	115056349	T/G	0.014	0.014	0.003	0.040	0.942	21.930
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	99.947
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	53.442
rs151297021	ebi-a-GCST90027161	1	11143456	C/T	0.048	0.048	0.001	0.028	0.963	20.340
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	29.386
rs6448772	ebi-a-GCST90027161	4	31410172	T/C	0.820	0.181	0.000	0.014	0.992	23.061
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	87.332
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	31.226
rs34024103	ebi-a-GCST90027161	7	3639942	A/G	0.214	0.214	-0.003	0.013	0.819	20.940
rs2965152	ebi-a-GCST90027161	19	45189000	A/G	0.438	0.438	-0.003	0.010	0.747	31.836
rs2733055	ebi-a-GCST90027161	8	5416240	A/C	0.788	0.212	-0.005	0.013	0.671	20.806
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	21.372
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	115.043
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	28.454
rs10244139	ebi-a-GCST90027161	7	100897350	G/A	0.053	0.053	-0.010	0.023	0.657	22.216
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	227.663
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	68.098
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	202.762
rs112635299	ebi-a-GCST90027161	14	94838142	T/G	0.020	0.020	-0.020	0.037	0.591	25.279
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	60.319
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	46.565
rs10829040	ebi-a-GCST90027161	10	18917047	T/C	0.355	0.355	-0.028	0.011	0.008	22.003
rs189592741	ebi-a-GCST90027161	1	54629968	A/G	0.013	0.013	-0.057	0.045	0.202	20.948
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	522.420
total cholesterol in large VLDL id:met-c-88										
rs187429064	ebi-a-GCST90027161	19	19380513	G/A	0.027	0.027	0.058	0.029	0.044	21.743
rs12641940	ebi-a-GCST90027161	4	185241532	G/A	0.022	0.022	0.045	0.032	0.162	20.468
rs55644928	ebi-a-GCST90027161	11	117303430	T/C	0.085	0.085	0.034	0.018	0.068	22.318

rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	23.985
rs144768958	ebi-a-GCST90027161	7	156830850	C/A	0.025	0.025	0.032	0.040	0.417	22.003
rs4036623	ebi-a-GCST90027161	5	149892283	G/A	0.022	0.022	0.023	0.029	0.438	21.017
rs76975037	ebi-a-GCST90027161	8	19851508	A/C	0.088	0.088	0.021	0.019	0.271	71.015
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	23.731
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	25.903
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	50.019
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	20.333
rs9809229	ebi-a-GCST90027161	3	115849331	G/A	0.163	0.163	0.015	0.014	0.274	27.053
rs144396749	ebi-a-GCST90027161	11	55653617	C/A	0.039	0.039	0.014	0.028	0.606	28.444
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	32.707
rs536141	ebi-a-GCST90027161	11	117104536	A/C	0.441	0.441	0.009	0.010	0.396	27.302
rs8062947	ebi-a-GCST90027161	16	85539501	T/C	0.263	0.263	0.007	0.012	0.555	20.766
rs11232119	ebi-a-GCST90027161	11	80120305	T/C	0.081	0.081	0.006	0.020	0.753	20.371
rs73049720	ebi-a-GCST90027161	3	25333497	T/G	0.037	0.037	-0.003	0.029	0.926	20.650
rs10455872	ebi-a-GCST90027161	6	161010118	G/A	0.065	0.065	-0.003	0.022	0.898	27.921
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	75.059
rs10889331	ebi-a-GCST90027161	1	62943007	T/G	0.671	0.330	-0.010	0.011	0.367	53.612
rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	28.925
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	48.872
rs3846661	ebi-a-GCST90027161	5	74639178	G/A	0.421	0.421	-0.021	0.010	0.037	24.101
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	24.811
rs73092630	ebi-a-GCST90027161	3	67743407	G/A	0.025	0.025	-0.028	0.036	0.434	20.917
rs438811	ebi-a-GCST90027161	19	45416741	T/C	0.235	0.235	-0.030	0.012	0.013	59.693
rs113407879	ebi-a-GCST90027161	15	66401035	A/G	0.015	0.015	-0.060	0.036	0.100	19.922

total cholesterol in medium HDL || id:met-c-8'

rs1354443	ebi-a-GCST90027161	6	39738417	A/G	0.024	0.024	0.066	0.038	0.078	20.102
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	27.214
rs112983422	ebi-a-GCST90027161	6	168316397	C/T	0.029	0.029	0.021	0.034	0.530	20.191
rs75226856	ebi-a-GCST90027161	2	234811644	A/C	0.016	0.016	0.020	0.047	0.680	20.533
rs7537624	ebi-a-GCST90027161	1	71588369	C/A	0.527	0.473	0.010	0.010	0.344	22.617
rs11114074	ebi-a-GCST90027161	12	109260526	A/G	0.285	0.285	0.007	0.011	0.525	24.600
rs2325955	ebi-a-GCST90027161	3	84476217	T/G	0.169	0.169	0.006	0.013	0.675	22.374

rs7314695	ebi-a-GCST90027161	12	58930678	T/C	0.127	0.127	0.004	0.016	0.788	20.914
rs1367117	ebi-a-GCST90027161	2	21263900	A/G	0.310	0.310	0.004	0.011	0.741	27.331
rs4939883	ebi-a-GCST90027161	18	47167214	C/T	0.818	0.182	0.002	0.013	0.899	31.825
rs79363762	ebi-a-GCST90027161	16	8586633	C/T	0.087	0.087	0.001	0.017	0.956	21.774
rs2222018	ebi-a-GCST90027161	2	227095220	A/C	0.642	0.358	-0.012	0.011	0.265	20.795
rs590820	ebi-a-GCST90027161	1	230309619	G/A	0.426	0.426	-0.014	0.010	0.173	32.432
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	233.952
rs118039765	ebi-a-GCST90027161	22	41443817	T/C	0.037	0.037	-0.022	0.025	0.385	21.118
rs13412	ebi-a-GCST90027161	17	39967442	C/T	0.392	0.392	-0.023	0.010	0.026	20.419
rs8056190	ebi-a-GCST90027161	16	84751224	A/G	0.564	0.436	-0.025	0.010	0.017	22.650
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	21.153
rs111894427	ebi-a-GCST90027161	11	116721405	T/C	0.044	0.044	-0.027	0.023	0.246	22.555
rs142685175	ebi-a-GCST90027161	6	82461936	A/G	0.039	0.039	-0.029	0.032	0.359	20.341
rs2126259	ebi-a-GCST90027161	8	9185146	C/T	0.882	0.118	-0.031	0.016	0.047	42.039
rs62135070	ebi-a-GCST90027161	19	47615835	T/C	0.053	0.053	-0.039	0.022	0.082	20.146

total cholesterol in medium LDL || id:met-c-90

rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	33.855
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	23.978
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	37.788
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	20.352
rs835616	ebi-a-GCST90027161	5	174863690	G/A	0.640	0.360	0.018	0.011	0.082	26.257
rs73066442	ebi-a-GCST90027161	7	21592973	G/A	0.251	0.251	0.017	0.012	0.132	39.022
rs4425727	ebi-a-GCST90027161	8	108330779	A/G	0.535	0.465	0.014	0.010	0.189	21.083
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	37.780
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	23.031
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	28.227
rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	31.324
rs10184290	ebi-a-GCST90027161	2	21093216	C/T	0.111	0.111	0.005	0.015	0.721	37.521
rs147097143	ebi-a-GCST90027161	17	60238774	T/C	0.007	0.007	0.005	0.071	0.949	21.620
rs934197	ebi-a-GCST90027161	2	21267461	A/G	0.310	0.310	0.004	0.011	0.731	106.335
rs149623	ebi-a-GCST90027161	5	123073197	C/T	0.471	0.471	0.004	0.010	0.719	20.772
rs599132	ebi-a-GCST90027161	10	14421688	C/A	0.561	0.439	0.003	0.010	0.799	21.410
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	93.141

rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	60.552
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	30.406
rs1885277	ebi-a-GCST90027161	1	67523784	A/G	0.693	0.307	0.001	0.011	0.955	25.238
rs2294264	ebi-a-GCST90027161	6	16108431	T/C	0.496	0.496	-0.001	0.010	0.954	21.206
rs2980875	ebi-a-GCST90027161	8	126481747	G/A	0.477	0.477	-0.002	0.010	0.869	35.019
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	78.271
rs62440182	ebi-a-GCST90027161	7	3639064	T/C	0.214	0.214	-0.002	0.013	0.857	21.200
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	29.556
rs2965152	ebi-a-GCST90027161	19	45189000	A/G	0.438	0.438	-0.003	0.010	0.747	32.723
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	20.877
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	112.631
rs6993022	ebi-a-GCST90027161	8	145040108	C/T	0.389	0.389	-0.009	0.011	0.401	28.368
rs10244139	ebi-a-GCST90027161	7	100897350	G/A	0.053	0.053	-0.010	0.023	0.657	21.335
rs9564623	ebi-a-GCST90027161	13	70395313	C/T	0.416	0.416	-0.012	0.010	0.257	21.217
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	215.431
rs6842183	ebi-a-GCST90027161	4	6072923	C/T	0.650	0.350	-0.013	0.011	0.225	21.843
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	182.845
rs76866386	ebi-a-GCST90027161	2	44075483	C/T	0.072	0.072	-0.016	0.019	0.404	61.193
rs486467	ebi-a-GCST90027161	13	80952612	C/A	0.315	0.315	-0.017	0.011	0.131	20.408
rs112635299	ebi-a-GCST90027161	14	94838142	T/G	0.020	0.020	-0.020	0.037	0.591	35.770
rs12916	ebi-a-GCST90027161	5	74656539	C/T	0.424	0.424	-0.020	0.010	0.046	70.021
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	51.672
rs10829040	ebi-a-GCST90027161	10	18917047	T/C	0.355	0.355	-0.028	0.011	0.008	20.477
rs1424813	ebi-a-GCST90027161	3	189225809	C/T	0.915	0.085	-0.028	0.018	0.121	21.192
rs150110425	ebi-a-GCST90027161	2	176787398	A/G	0.018	0.018	-0.052	0.041	0.204	20.569
rs117673009	ebi-a-GCST90027161	16	29971781	A/G	0.015	0.015	-0.056	0.048	0.239	21.076
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	506.789
rs116319294	ebi-a-GCST90027161	4	71236061	T/C	0.019	0.019	-0.063	0.036	0.084	21.190
tal cholesterol in medium VLDL id:met-c-9										
rs12641940	ebi-a-GCST90027161	4	185241532	G/A	0.022	0.022	0.045	0.032	0.162	20.874
rs55644928	ebi-a-GCST90027161	11	117303430	T/C	0.085	0.085	0.034	0.018	0.068	20.514
rs188035323	ebi-a-GCST90027161	11	55348404	A/C	0.039	0.039	0.021	0.028	0.456	25.643
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	27.091

rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	70.302
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	96.250
rs79116552	ebi-a-GCST90027161	2	237744637	A/G	0.059	0.059	0.012	0.023	0.584	23.912
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	26.257
rs536141	ebi-a-GCST90027161	11	117104536	A/C	0.441	0.441	0.009	0.010	0.396	24.203
rs7605158	ebi-a-GCST90027161	2	128610021	C/T	0.104	0.104	0.008	0.017	0.611	20.562
rs1042034	ebi-a-GCST90027161	2	21225281	T/C	0.770	0.230	0.007	0.012	0.556	95.026
rs12700291	ebi-a-GCST90027161	7	21701035	T/C	0.516	0.484	0.002	0.010	0.831	22.040
rs1817799	ebi-a-GCST90027161	5	125026967	A/G	0.763	0.238	0.002	0.012	0.877	21.990
rs2963058	ebi-a-GCST90027161	19	23237287	C/T	0.190	0.190	-0.002	0.013	0.866	24.095
rs935840	ebi-a-GCST90027161	2	129260787	T/G	0.341	0.341	-0.003	0.011	0.757	20.640
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	69.657
rs6082264	ebi-a-GCST90027161	20	20957651	A/G	0.022	0.022	-0.005	0.036	0.897	23.008
rs6997473	ebi-a-GCST90027161	8	59406223	G/A	0.064	0.064	-0.007	0.020	0.738	27.506
rs2954021	ebi-a-GCST90027161	8	126482077	G/A	0.529	0.471	-0.007	0.010	0.520	49.860
rs17145738	ebi-a-GCST90027161	7	72982874	T/C	0.125	0.125	-0.008	0.015	0.606	53.565
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	85.690
rs4563214	ebi-a-GCST90027161	2	221276033	T/C	0.086	0.086	-0.008	0.018	0.651	20.687
rs10401845	ebi-a-GCST90027161	19	11191536	C/T	0.191	0.191	-0.015	0.013	0.268	45.501
rs73214679	ebi-a-GCST90027161	8	19510168	C/T	0.345	0.345	-0.015	0.011	0.156	24.739
rs72660594	ebi-a-GCST90027161	1	55636240	C/T	0.023	0.023	-0.018	0.031	0.548	36.896
rs2457564	ebi-a-GCST90027161	6	160877640	A/G	0.445	0.445	-0.019	0.010	0.057	23.379
rs3846661	ebi-a-GCST90027161	5	74639178	G/A	0.421	0.421	-0.021	0.010	0.037	42.907
rs183130	ebi-a-GCST90027161	16	56991363	T/C	0.308	0.308	-0.022	0.011	0.047	77.905
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	33.528
rs3826688	ebi-a-GCST90027161	19	45418961	C/T	0.664	0.336	-0.037	0.011	0.001	68.802

Total cholesterol in small LDL || id:met-c-924

rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	32.129
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	34.072
rs115258743	ebi-a-GCST90027161	3	100143471	G/A	0.046	0.046	0.022	0.026	0.401	22.214
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	20.587
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	27.690
rs11624283	ebi-a-GCST90027161	14	105590971	G/A	0.120	0.120	0.014	0.016	0.370	20.614

rs4425727	ebi-a-GCST90027161	8	108330779	A/G	0.535	0.465	0.014	0.010	0.189	21.049
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	25.302
rs12422055	ebi-a-GCST90027161	11	67404181	T/C	0.197	0.197	0.006	0.013	0.646	21.756
rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	29.432
rs147097143	ebi-a-GCST90027161	17	60238774	T/C	0.007	0.007	0.005	0.071	0.949	20.483
rs934197	ebi-a-GCST90027161	2	21267461	A/G	0.310	0.310	0.004	0.011	0.731	87.984
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	80.986
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	61.214
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	24.583
rs6448772	ebi-a-GCST90027161	4	31410172	T/C	0.820	0.181	0.000	0.014	0.992	22.289
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	73.142
rs12981278	ebi-a-GCST90027161	19	31395973	C/T	0.011	0.011	-0.003	0.052	0.954	20.631
rs2965152	ebi-a-GCST90027161	19	45189000	A/G	0.438	0.438	-0.003	0.010	0.747	29.625
rs11102515	ebi-a-GCST90027161	1	109371874	T/G	0.249	0.249	-0.004	0.012	0.760	27.685
rs146994031	ebi-a-GCST90027161	15	48618732	A/G	0.015	0.015	-0.006	0.036	0.876	20.746
rs2495477	ebi-a-GCST90027161	1	55518467	G/A	0.414	0.414	-0.007	0.010	0.488	37.917
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	106.901
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	35.446
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	22.625
rs10244139	ebi-a-GCST90027161	7	100897350	G/A	0.053	0.053	-0.010	0.023	0.657	24.606
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	193.740
rs148784768	ebi-a-GCST90027161	1	20186336	A/G	0.035	0.035	-0.015	0.025	0.554	22.088
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	160.426
rs112635299	ebi-a-GCST90027161	14	94838142	T/G	0.020	0.020	-0.020	0.037	0.591	39.197
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	55.057
rs12570792	ebi-a-GCST90027161	10	18847594	C/A	0.340	0.340	-0.028	0.011	0.010	20.768
rs117673009	ebi-a-GCST90027161	16	29971781	A/G	0.015	0.015	-0.056	0.048	0.239	20.642
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	382.439
'total cholesterol in small VLDL id:met-c-92										
rs117186462	ebi-a-GCST90027161	19	20471321	A/G	0.015	0.015	0.046	0.039	0.234	20.177
rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	28.445
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	20.441
rs77810663	ebi-a-GCST90027161	4	167289297	C/A	0.049	0.049	0.027	0.023	0.239	20.015

rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	20.258
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	48.941
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	55.814
rs11607673	ebi-a-GCST90027161	11	58953420	T/C	0.484	0.484	0.013	0.010	0.223	25.740
rs4624874	ebi-a-GCST90027161	6	100257019	G/A	0.013	0.013	0.012	0.039	0.755	19.982
rs139564703	ebi-a-GCST90027161	11	50332390	C/T	0.053	0.053	0.010	0.024	0.666	21.202
rs7597145	ebi-a-GCST90027161	2	27671255	C/T	0.337	0.337	0.009	0.014	0.531	20.935
rs2519093	ebi-a-GCST90027161	9	136141870	T/C	0.624	0.376	0.009	0.013	0.502	22.998
rs147097143	ebi-a-GCST90027161	17	60238774	T/C	0.007	0.007	0.005	0.071	0.949	20.913
rs12626825	ebi-a-GCST90027161	21	19550024	C/A	0.011	0.011	0.004	0.069	0.951	22.852
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	39.021
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	43.129
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	20.326
rs2980875	ebi-a-GCST90027161	8	126481747	G/A	0.477	0.477	-0.002	0.010	0.869	46.261
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	37.456
rs35489648	ebi-a-GCST90027161	7	72870211	A/G	0.079	0.079	-0.003	0.018	0.856	29.124
rs6997473	ebi-a-GCST90027161	8	59406223	G/A	0.064	0.064	-0.007	0.020	0.738	23.006
rs646776	ebi-a-GCST90027161	1	109818530	T/C	0.779	0.221	-0.008	0.012	0.526	34.781
rs6544366	ebi-a-GCST90027161	2	21204025	T/G	0.247	0.247	-0.011	0.012	0.321	92.459
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	93.834
rs57913577	ebi-a-GCST90027161	18	31452508	T/C	0.146	0.146	-0.013	0.015	0.377	22.235
rs1848922	ebi-a-GCST90027161	2	21471603	C/T	0.790	0.210	-0.013	0.012	0.282	57.818
rs72875462	ebi-a-GCST90027161	2	44079310	A/C	0.069	0.069	-0.014	0.020	0.483	20.475
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	55.647
rs73214679	ebi-a-GCST90027161	8	19510168	C/T	0.345	0.345	-0.015	0.011	0.156	26.224
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	110.828
rs3764261	ebi-a-GCST90027161	16	56993324	A/C	0.308	0.308	-0.022	0.011	0.052	91.132
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	20.606
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	34.921
rs34827707	ebi-a-GCST90027161	19	45541782	A/G	0.025	0.025	-0.028	0.032	0.376	25.382
rs112784236	ebi-a-GCST90027161	11	76524089	A/G	0.039	0.039	-0.057	0.028	0.041	22.520

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rs174547	ebi-a-GCST90027161	11	61570783	C/T	0.369	0.369	0.034	0.010	0.001	71.118

rs34562254	ebi-a-GCST90027161	17	16842991	A/G	0.104	0.104	0.028	0.016	0.085	26.664
rs36016715	ebi-a-GCST90027161	11	75449644	C/T	0.107	0.107	0.020	0.016	0.198	20.668
rs34193357	ebi-a-GCST90027161	19	57681388	T/C	0.238	0.238	0.018	0.012	0.126	22.993
rs12351480	ebi-a-GCST90027161	9	107595978	A/C	0.111	0.111	0.014	0.017	0.420	32.395
rs1943973	ebi-a-GCST90027161	18	47179516	A/G	0.839	0.161	0.006	0.013	0.683	41.496
rs261291	ebi-a-GCST90027161	15	58680178	C/T	0.362	0.362	0.005	0.011	0.635	227.487
rs139474967	ebi-a-GCST90027161	8	51627897	G/A	0.017	0.017	0.005	0.034	0.893	23.959
rs3741521	ebi-a-GCST90027161	12	125264293	A/G	0.638	0.362	0.005	0.011	0.670	28.187
rs2575876	ebi-a-GCST90027161	9	107665739	A/G	0.221	0.221	0.003	0.013	0.844	62.718
rs917021	ebi-a-GCST90027161	4	110200503	C/T	0.116	0.116	0.002	0.016	0.901	20.401
rs7172127	ebi-a-GCST90027161	15	102061971	C/A	0.603	0.398	-0.003	0.010	0.770	23.218
rs13060085	ebi-a-GCST90027161	3	171177575	C/A	0.832	0.168	-0.004	0.014	0.751	19.645
rs12920974	ebi-a-GCST90027161	16	56993025	T/G	0.296	0.296	-0.011	0.011	0.324	24.326
rs6544366	ebi-a-GCST90027161	2	21204025	T/G	0.247	0.247	-0.011	0.012	0.321	21.403
rs12914626	ebi-a-GCST90027161	15	58738423	T/C	0.687	0.313	-0.014	0.011	0.208	84.224
rs686030	ebi-a-GCST90027161	9	15304782	A/C	0.864	0.136	-0.014	0.015	0.339	32.236
rs11667229	ebi-a-GCST90027161	19	49456001	T/C	0.545	0.455	-0.015	0.011	0.168	21.751
rs77931649	ebi-a-GCST90027161	3	13536220	T/C	0.016	0.016	-0.017	0.038	0.661	21.953
rs61803025	ebi-a-GCST90027161	1	161600591	C/T	0.898	0.102	-0.021	0.018	0.243	31.729
rs1532624	ebi-a-GCST90027161	16	57005479	A/C	0.435	0.435	-0.024	0.010	0.018	165.389
rs79387372	ebi-a-GCST90027161	5	135218891	T/C	0.024	0.024	-0.024	0.033	0.467	20.841
rs4810479	ebi-a-GCST90027161	20	44545048	T/C	0.751	0.249	-0.029	0.012	0.012	110.167
rs111543310	ebi-a-GCST90027161	15	59531818	C/T	0.025	0.025	-0.048	0.034	0.157	43.697
rs117376818	ebi-a-GCST90027161	15	58798961	A/G	0.011	0.011	-0.056	0.052	0.280	65.574
rs150087926	ebi-a-GCST90027161	20	60518100	T/C	0.031	0.031	-0.065	0.039	0.095	20.087

Total cholesterol levels

rs61754230	ebi-a-GCST90027161	12	72179446	T/C	0.014	0.014	0.160	0.054	0.003	72.333
rs2385101	ebi-a-GCST90027161	8	126391254	T/C	0.030	0.030	0.074	0.030	0.015	58.645
rs17279655	ebi-a-GCST90027161	8	130990662	C/T	0.056	0.056	0.070	0.023	0.002	23.370
rs76895963	ebi-a-GCST90027161	12	4384844	G/T	0.024	0.024	0.067	0.034	0.052	183.747
rs115634774	ebi-a-GCST90027161	4	79708341	A/C	0.014	0.014	0.066	0.044	0.131	19.797
rs76324938	ebi-a-GCST90027161	8	28843833	A/G	0.034	0.034	0.065	0.031	0.037	61.311
rs80188901	ebi-a-GCST90027161	4	119500014	T/C	0.060	0.060	0.063	0.022	0.004	28.471

rs187429064	ebi-a-GCST90027161	19	19380513	G/A	0.027	0.027	0.058	0.029	0.044	775.226
rs1399180	ebi-a-GCST90027161	10	8098719	T/C	0.171	0.171	0.058	0.014	0.000	49.322
rs73078112	ebi-a-GCST90027161	20	5547384	T/C	0.020	0.020	0.050	0.042	0.238	99.431
rs12212146	ebi-a-GCST90027161	6	161125454	C/T	0.071	0.071	0.045	0.021	0.027	99.044
rs11810371	ebi-a-GCST90027161	1	55496861	A/G	0.035	0.035	0.040	0.032	0.219	92.118
rs7696768	ebi-a-GCST90027161	4	143731058	T/C	0.010	0.010	0.040	0.077	0.604	20.610
rs11668058	ebi-a-GCST90027161	19	11149129	A/G	0.033	0.033	0.038	0.034	0.260	172.589
rs78485726	ebi-a-GCST90027161	6	53742184	A/G	0.035	0.035	0.035	0.031	0.253	30.443
rs170505	ebi-a-GCST90027161	22	45713020	A/G	0.126	0.126	0.035	0.015	0.018	39.624
rs174564	ebi-a-GCST90027161	11	61588305	G/A	0.372	0.372	0.035	0.010	0.001	884.928
rs7711202	ebi-a-GCST90027161	5	35866930	A/G	0.301	0.301	0.034	0.011	0.002	30.256
rs561931	ebi-a-GCST90027161	1	120254506	A/G	0.509	0.491	0.033	0.015	0.023	33.751
rs216140	ebi-a-GCST90027161	5	149443298	C/T	0.241	0.241	0.033	0.013	0.010	23.334
rs12208357	ebi-a-GCST90027161	6	160543148	T/C	0.071	0.071	0.032	0.019	0.094	539.043
rs80215559	ebi-a-GCST90027161	6	25918225	C/T	0.058	0.058	0.032	0.025	0.206	349.140
rs6670347	ebi-a-GCST90027161	1	109815368	C/T	0.042	0.042	0.031	0.026	0.233	688.809
rs415432	ebi-a-GCST90027161	17	9565487	C/T	0.238	0.238	0.031	0.012	0.009	26.134
rs61876729	ebi-a-GCST90027161	11	778857	G/A	0.104	0.104	0.031	0.016	0.060	32.492
rs111938177	ebi-a-GCST90027161	2	20882823	T/C	0.011	0.011	0.030	0.057	0.596	44.763
rs2891770	ebi-a-GCST90027161	18	19603499	A/G	0.139	0.139	0.030	0.014	0.037	30.951
rs72738715	ebi-a-GCST90027161	15	78732010	G/A	0.125	0.125	0.030	0.016	0.056	24.314
rs111967430	ebi-a-GCST90027161	9	2432886	C/T	0.012	0.012	0.030	0.044	0.503	21.708
rs150688657	ebi-a-GCST90027161	17	7505801	A/G	0.091	0.091	0.028	0.019	0.129	151.547
rs71352241	ebi-a-GCST90027161	19	45443934	T/G	0.024	0.024	0.028	0.042	0.500	120.190
rs113330691	ebi-a-GCST90027161	19	45295886	A/G	0.031	0.031	0.028	0.031	0.360	1631.067
rs8178824	ebi-a-GCST90027161	17	64224775	T/C	0.023	0.023	0.028	0.036	0.436	221.825
rs3780181	ebi-a-GCST90027161	9	2640759	G/A	0.063	0.063	0.028	0.021	0.190	147.212
rs5998509	ebi-a-GCST90027161	22	21917479	T/C	0.218	0.218	0.028	0.012	0.026	228.084
rs62363367	ebi-a-GCST90027161	5	75198461	C/A	0.022	0.022	0.026	0.037	0.472	33.234
rs12432955	ebi-a-GCST90027161	14	101205542	G/A	0.264	0.264	0.026	0.011	0.019	21.039
rs1667584	ebi-a-GCST90027161	12	122388396	A/G	0.148	0.148	0.026	0.014	0.053	42.591
rs7839474	ebi-a-GCST90027161	8	61455861	G/A	0.390	0.390	0.025	0.010	0.016	108.797
rs10832954	ebi-a-GCST90027161	11	18643559	G/A	0.310	0.310	0.025	0.011	0.021	203.530

rs34265667	ebi-a-GCST90027161	8	41542093	A/G	0.027	0.027	0.025	0.035	0.479	49.624
rs9604570	ebi-a-GCST90027161	13	114631940	G/A	0.150	0.150	0.024	0.016	0.117	134.781
rs6584579	ebi-a-GCST90027161	10	105645725	G/A	0.371	0.371	0.024	0.011	0.022	19.548
rs144961914	ebi-a-GCST90027161	3	129385854	T/C	0.063	0.063	0.024	0.023	0.313	36.018
rs112575086	ebi-a-GCST90027161	4	54429890	T/C	0.108	0.108	0.023	0.017	0.164	32.556
rs31778	ebi-a-GCST90027161	5	176522036	T/C	0.311	0.311	0.023	0.011	0.031	26.390
rs2479415	ebi-a-GCST90027161	1	55498745	C/T	0.446	0.446	0.023	0.011	0.028	478.237
rs111589301	ebi-a-GCST90027161	17	18116773	A/G	0.166	0.166	0.023	0.014	0.115	69.982
rs13076933	ebi-a-GCST90027161	3	12327431	G/T	0.258	0.258	0.022	0.012	0.066	308.536
rs1800961	ebi-a-GCST90027161	20	43042364	T/C	0.035	0.035	0.021	0.027	0.432	546.309
rs165722	ebi-a-GCST90027161	22	19949013	C/T	0.467	0.467	0.021	0.010	0.043	25.601
rs203273	ebi-a-GCST90027161	4	40418670	C/T	0.365	0.365	0.021	0.011	0.052	31.939
rs881477	ebi-a-GCST90027161	2	43791563	C/T	0.316	0.316	0.020	0.011	0.068	20.461
rs112515514	ebi-a-GCST90027161	3	132253816	A/G	0.020	0.020	0.020	0.043	0.636	45.003
rs12684581	ebi-a-GCST90027161	9	137113061	G/T	0.338	0.338	0.020	0.011	0.063	27.068
rs147540853	ebi-a-GCST90027161	19	11248104	A/G	0.027	0.027	0.020	0.034	0.554	363.299
rs11006182	ebi-a-GCST90027161	10	60309128	A/G	0.386	0.386	0.019	0.010	0.059	25.240
rs12979148	ebi-a-GCST90027161	19	19406869	C/T	0.127	0.127	0.019	0.015	0.199	1226.877
rs62275345	ebi-a-GCST90027161	3	147052282	T/C	0.224	0.224	0.019	0.012	0.114	40.788
rs351976	ebi-a-GCST90027161	19	806673	C/T	0.319	0.319	0.019	0.011	0.073	24.861
rs10753556	ebi-a-GCST90027161	1	23732762	A/G	0.116	0.116	0.019	0.016	0.247	121.062
rs34795914	ebi-a-GCST90027161	19	10936814	T/G	0.027	0.027	0.019	0.038	0.616	136.593
rs112159161	ebi-a-GCST90027161	19	11192603	T/C	0.014	0.014	0.019	0.049	0.698	935.309
rs12445804	ebi-a-GCST90027161	16	11706100	A/G	0.090	0.090	0.019	0.017	0.274	161.523
rs34707604	ebi-a-GCST90027161	4	69491456	C/T	0.266	0.266	0.019	0.012	0.108	464.176
rs112170089	ebi-a-GCST90027161	6	160502019	A/G	0.019	0.019	0.018	0.040	0.644	86.734
rs2792751	ebi-a-GCST90027161	10	113940329	T/C	0.285	0.285	0.018	0.011	0.111	305.225
rs75911530	ebi-a-GCST90027161	16	57049137	A/G	0.025	0.025	0.018	0.037	0.629	90.556
rs62335637	ebi-a-GCST90027161	4	128987524	G/A	0.397	0.397	0.018	0.010	0.082	41.816
rs10184004	ebi-a-GCST90027161	2	165508389	T/C	0.393	0.393	0.018	0.010	0.086	40.786
rs6952171	ebi-a-GCST90027161	7	155137820	C/A	0.400	0.400	0.017	0.011	0.104	39.304
rs6078	ebi-a-GCST90027161	15	58833993	A/G	0.039	0.039	0.016	0.026	0.524	49.617
rs72997616	ebi-a-GCST90027161	11	75474195	A/C	0.103	0.103	0.016	0.016	0.309	111.795

rs10814911	ebi-a-GCST90027161	9	4278997	G/A	0.307	0.307	0.016	0.011	0.144	23.241
rs12551960	ebi-a-GCST90027161	9	19267440	T/C	0.071	0.071	0.016	0.020	0.415	194.754
rs12621984	ebi-a-GCST90027161	2	174235962	T/C	0.490	0.490	0.016	0.010	0.115	31.413
rs111299924	ebi-a-GCST90027161	12	51120202	T/C	0.334	0.334	0.016	0.011	0.140	173.053
rs58588820	ebi-a-GCST90027161	2	85874044	T/C	0.324	0.324	0.016	0.011	0.152	53.112
rs62472728	ebi-a-GCST90027161	7	143105566	T/C	0.079	0.079	0.016	0.017	0.367	21.793
rs75667410	ebi-a-GCST90027161	1	23345510	T/C	0.075	0.075	0.015	0.020	0.436	28.031
rs17280845	ebi-a-GCST90027161	3	105444536	T/C	0.265	0.265	0.015	0.012	0.195	25.412
rs75069598	ebi-a-GCST90027161	17	5231128	G/A	0.033	0.033	0.015	0.027	0.587	47.170
rs1601935	ebi-a-GCST90027161	15	58671765	G/T	0.356	0.356	0.015	0.011	0.164	1240.540
rs73007510	ebi-a-GCST90027161	19	10806699	T/C	0.017	0.017	0.015	0.038	0.696	54.232
rs1870293	ebi-a-GCST90027161	16	30970941	T/C	0.365	0.365	0.015	0.011	0.166	76.535
rs35148262	ebi-a-GCST90027161	1	25766623	A/G	0.448	0.448	0.015	0.010	0.153	373.103
rs11871079	ebi-a-GCST90027161	17	37345020	A/G	0.029	0.029	0.014	0.037	0.699	31.625
rs12619445	ebi-a-GCST90027161	2	146392350	A/C	0.176	0.176	0.014	0.013	0.286	19.596
rs686030	ebi-a-GCST90027161	9	15304782	C/A	0.136	0.136	0.014	0.015	0.339	183.879
rs77542162	ebi-a-GCST90027161	17	67081278	G/A	0.015	0.015	0.014	0.055	0.797	849.227
rs117047468	ebi-a-GCST90027161	19	33825670	G/T	0.054	0.054	0.014	0.023	0.542	61.237
rs1014283	ebi-a-GCST90027161	7	87076587	A/C	0.184	0.184	0.014	0.013	0.286	65.295
rs10858093	ebi-a-GCST90027161	1	109949756	T/C	0.035	0.035	0.014	0.028	0.615	90.719
rs117726429	ebi-a-GCST90027161	19	11220413	A/C	0.009	0.009	0.014	0.065	0.829	60.320
rs4679881	ebi-a-GCST90027161	3	160028014	T/C	0.429	0.429	0.014	0.010	0.178	136.092
rs6601924	ebi-a-GCST90027161	10	5247302	T/C	0.145	0.145	0.014	0.015	0.350	92.699
rs13216434	ebi-a-GCST90027161	6	117245227	G/A	0.110	0.110	0.014	0.018	0.438	27.579
rs74660740	ebi-a-GCST90027161	1	167321325	A/G	0.063	0.063	0.014	0.021	0.518	21.065
rs77733744	ebi-a-GCST90027161	13	52344004	A/G	0.181	0.181	0.014	0.013	0.292	19.998
rs4942833	ebi-a-GCST90027161	13	50081358	C/T	0.482	0.482	0.013	0.010	0.190	34.064
rs1501720	ebi-a-GCST90027161	5	39557684	C/T	0.310	0.310	0.013	0.011	0.238	54.939
rs13118748	ebi-a-GCST90027161	4	145259126	G/A	0.275	0.275	0.013	0.012	0.259	28.207
rs75667995	ebi-a-GCST90027161	12	25409070	C/T	0.090	0.090	0.013	0.017	0.435	158.547
rs9496567	ebi-a-GCST90027161	6	100602753	A/G	0.221	0.221	0.013	0.013	0.315	179.202
rs11096689	ebi-a-GCST90027161	2	21140540	C/T	0.289	0.289	0.013	0.011	0.254	934.746
rs269781	ebi-a-GCST90027161	5	139545447	A/G	0.240	0.240	0.013	0.012	0.262	64.165

rs10272002	ebi-a-GCST90027161	7	1047615	G/A	0.228	0.228	0.013	0.012	0.287	197.153
rs1963676	ebi-a-GCST90027161	21	40709960	C/T	0.392	0.392	0.013	0.011	0.225	105.948
rs945294	ebi-a-GCST90027161	10	26697294	G/T	0.358	0.358	0.013	0.011	0.247	30.776
rs1077835	ebi-a-GCST90027161	15	58723426	G/A	0.236	0.236	0.013	0.012	0.278	1600.455
rs4665972	ebi-a-GCST90027161	2	27598097	T/C	0.387	0.387	0.013	0.010	0.225	1723.825
rs10162642	ebi-a-GCST90027161	15	58577163	A/G	0.180	0.180	0.012	0.014	0.375	293.992
rs115360023	ebi-a-GCST90027161	3	196555700	T/C	0.128	0.128	0.012	0.017	0.464	27.769
rs12948347	ebi-a-GCST90027161	17	80982691	T/C	0.277	0.277	0.012	0.011	0.270	33.721
rs13054837	ebi-a-GCST90027161	22	30575749	C/T	0.028	0.028	0.012	0.028	0.666	59.482
rs1567889	ebi-a-GCST90027161	11	78147055	G/A	0.211	0.211	0.012	0.012	0.305	45.001
rs55696093	ebi-a-GCST90027161	7	21605973	G/A	0.221	0.221	0.012	0.012	0.315	511.832
rs67890964	ebi-a-GCST90027161	16	83979317	C/T	0.437	0.437	0.012	0.011	0.251	149.042
rs1569750	ebi-a-GCST90027161	20	47603241	G/A	0.294	0.294	0.012	0.011	0.284	60.644
rs77021821	ebi-a-GCST90027161	4	75684215	T/C	0.019	0.019	0.012	0.036	0.746	23.276
rs2296288	ebi-a-GCST90027161	1	183072590	T/C	0.428	0.428	0.012	0.010	0.254	82.001
rs1712957	ebi-a-GCST90027161	2	144505198	T/C	0.441	0.441	0.011	0.010	0.272	24.423
rs10095103	ebi-a-GCST90027161	8	9226095	T/C	0.432	0.432	0.011	0.010	0.279	213.599
rs17740332	ebi-a-GCST90027161	7	14058345	A/G	0.156	0.156	0.011	0.014	0.414	19.940
rs7804186	ebi-a-GCST90027161	7	116292454	A/G	0.166	0.166	0.011	0.014	0.424	31.612
rs1474412	ebi-a-GCST90027161	8	102587259	A/G	0.249	0.249	0.011	0.012	0.358	39.680
rs1155061	ebi-a-GCST90027161	2	191566381	G/A	0.359	0.359	0.011	0.011	0.320	43.174
rs112811239	ebi-a-GCST90027161	5	156689921	C/T	0.237	0.237	0.011	0.012	0.357	33.888
rs9909417	ebi-a-GCST90027161	17	18679442	A/G	0.304	0.304	0.011	0.011	0.342	33.397
rs624698	ebi-a-GCST90027161	1	62900811	G/A	0.376	0.376	0.010	0.011	0.329	1430.019
rs35441323	ebi-a-GCST90027161	10	88535519	T/C	0.330	0.330	0.010	0.011	0.330	30.867
rs12945088	ebi-a-GCST90027161	17	29397852	G/A	0.321	0.321	0.010	0.011	0.344	152.311
rs3732359	ebi-a-GCST90027161	3	119536429	G/A	0.267	0.267	0.010	0.011	0.349	159.364
rs1229498	ebi-a-GCST90027161	7	81568750	T/G	0.280	0.280	0.010	0.011	0.369	56.278
rs9633739	ebi-a-GCST90027161	10	82264813	A/G	0.484	0.484	0.010	0.010	0.320	37.049
rs208432	ebi-a-GCST90027161	13	33122007	C/T	0.384	0.384	0.010	0.010	0.335	51.378
rs4307732	ebi-a-GCST90027161	11	126244955	A/G	0.126	0.126	0.010	0.015	0.492	327.130
rs55803162	ebi-a-GCST90027161	19	33751639	T/C	0.341	0.341	0.010	0.011	0.352	46.691
rs9818012	ebi-a-GCST90027161	3	24641334	A/G	0.302	0.302	0.010	0.011	0.392	22.231

rs7604605	ebi-a-GCST90027161	2	70579441	G/A	0.186	0.186	0.010	0.014	0.485	22.306
rs12986378	ebi-a-GCST90027161	19	58727821	T/C	0.255	0.255	0.010	0.012	0.431	80.865
rs185301903	ebi-a-GCST90027161	1	110118404	A/G	0.011	0.011	0.010	0.052	0.856	22.828
rs112838464	ebi-a-GCST90027161	5	53308819	A/G	0.116	0.116	0.009	0.016	0.550	47.035
rs75371355	ebi-a-GCST90027161	20	39163671	T/C	0.028	0.028	0.009	0.028	0.739	32.539
rs2066714	ebi-a-GCST90027161	9	107586753	C/T	0.111	0.111	0.009	0.017	0.584	314.166
rs11941935	ebi-a-GCST90027161	4	39483162	A/G	0.367	0.367	0.009	0.010	0.376	36.919
rs10040099	ebi-a-GCST90027161	5	141872996	G/A	0.208	0.208	0.009	0.012	0.462	38.711
rs17672352	ebi-a-GCST90027161	10	114028480	T/C	0.181	0.181	0.009	0.013	0.486	131.469
rs8110479	ebi-a-GCST90027161	19	10734951	T/C	0.045	0.045	0.009	0.027	0.742	929.697
rs6458949	ebi-a-GCST90027161	6	53508265	T/G	0.275	0.275	0.009	0.011	0.437	93.618
rs952225	ebi-a-GCST90027161	4	151454015	C/T	0.348	0.348	0.009	0.011	0.410	31.862
rs1996591	ebi-a-GCST90027161	2	134865046	C/T	0.159	0.159	0.009	0.014	0.541	32.422
rs745571	ebi-a-GCST90027161	17	77781387	T/C	0.494	0.494	0.009	0.010	0.386	22.399
rs2519093	ebi-a-GCST90027161	9	136141870	T/C	0.624	0.376	0.009	0.013	0.502	1628.345
rs7602390	ebi-a-GCST90027161	2	101683864	G/A	0.343	0.343	0.008	0.011	0.439	30.359
rs10876171	ebi-a-GCST90027161	12	51793821	G/A	0.350	0.350	0.008	0.011	0.458	116.331
rs67269656	ebi-a-GCST90027161	2	8720038	T/C	0.285	0.285	0.008	0.011	0.468	51.191
rs79860022	ebi-a-GCST90027161	10	70968048	T/C	0.022	0.022	0.008	0.042	0.848	36.615
rs2642438	ebi-a-GCST90027161	1	220970028	A/G	0.296	0.296	0.008	0.011	0.481	365.613
rs1123571	ebi-a-GCST90027161	1	2326009	A/G	0.494	0.494	0.008	0.010	0.445	27.493
rs1029709	ebi-a-GCST90027161	19	57046007	T/C	0.305	0.305	0.008	0.011	0.489	58.398
rs9938506	ebi-a-GCST90027161	16	72252752	G/A	0.340	0.340	0.008	0.011	0.483	215.910
rs1997833	ebi-a-GCST90027161	20	39690342	C/T	0.276	0.276	0.007	0.012	0.529	306.198
rs6602909	ebi-a-GCST90027161	13	114551993	C/T	0.333	0.333	0.007	0.011	0.498	320.750
rs731841	ebi-a-GCST90027161	9	38198539	A/G	0.485	0.485	0.007	0.010	0.470	19.598
rs1571791	ebi-a-GCST90027161	9	78729213	T/C	0.379	0.379	0.007	0.011	0.496	89.771
rs4764980	ebi-a-GCST90027161	12	100885107	A/G	0.473	0.473	0.007	0.010	0.489	51.943
rs869785	ebi-a-GCST90027161	3	24347800	T/C	0.332	0.332	0.007	0.011	0.502	20.009
rs114483871	ebi-a-GCST90027161	4	73990168	T/C	0.028	0.028	0.007	0.031	0.818	30.045
rs4942505	ebi-a-GCST90027161	13	32963707	C/T	0.458	0.458	0.007	0.010	0.486	154.514
rs10843390	ebi-a-GCST90027161	12	29496991	T/C	0.274	0.274	0.007	0.012	0.543	93.182
rs13011344	ebi-a-GCST90027161	2	144186545	G/T	0.236	0.236	0.007	0.012	0.556	49.854

rs10910522	ebi-a-GCST90027161	1	235011725	A/G	0.410	0.410	0.007	0.010	0.508	87.595
rs887829	ebi-a-GCST90027161	2	234668570	T/C	0.344	0.344	0.007	0.011	0.513	167.153
rs7498665	ebi-a-GCST90027161	16	28883241	G/A	0.407	0.407	0.007	0.010	0.508	32.272
rs2297402	ebi-a-GCST90027161	9	107579880	T/C	0.019	0.019	0.007	0.043	0.875	80.513
rs7106731	ebi-a-GCST90027161	11	48003392	G/T	0.256	0.256	0.007	0.012	0.565	136.762
rs80098465	ebi-a-GCST90027161	1	56323794	A/G	0.029	0.029	0.007	0.031	0.836	60.835
rs1475883	ebi-a-GCST90027161	21	17591913	A/G	0.429	0.429	0.006	0.010	0.540	40.135
rs7150254	ebi-a-GCST90027161	14	75299101	A/G	0.431	0.431	0.006	0.010	0.552	77.696
rs9297994	ebi-a-GCST90027161	8	59392324	G/A	0.360	0.360	0.006	0.010	0.559	761.098
rs28498684	ebi-a-GCST90027161	9	16900695	A/G	0.423	0.423	0.006	0.010	0.557	79.902
rs17725246	ebi-a-GCST90027161	7	44581986	C/T	0.244	0.244	0.006	0.011	0.607	536.553
rs2268569	ebi-a-GCST90027161	7	44227020	T/G	0.088	0.088	0.006	0.017	0.734	29.908
rs6967728	ebi-a-GCST90027161	7	97915637	A/G	0.173	0.173	0.006	0.014	0.668	93.060
rs73400381	ebi-a-GCST90027161	11	5650560	G/A	0.236	0.236	0.006	0.012	0.614	37.099
rs10235225	ebi-a-GCST90027161	7	25905599	G/A	0.397	0.397	0.006	0.011	0.584	26.981
rs13108218	ebi-a-GCST90027161	4	3443931	A/G	0.361	0.361	0.006	0.011	0.594	314.025
rs2737245	ebi-a-GCST90027161	8	116658583	T/G	0.290	0.290	0.006	0.011	0.610	369.227
rs3820897	ebi-a-GCST90027161	2	3642361	T/C	0.243	0.243	0.006	0.012	0.625	98.994
rs2072860	ebi-a-GCST90027161	22	37470604	G/A	0.450	0.450	0.006	0.010	0.590	20.798
rs11621792	ebi-a-GCST90027161	14	24871926	T/C	0.419	0.419	0.005	0.010	0.618	236.631
rs73159032	ebi-a-GCST90027161	3	155527626	A/C	0.137	0.137	0.005	0.015	0.726	45.567
rs638331	ebi-a-GCST90027161	18	2969374	G/A	0.379	0.379	0.005	0.011	0.629	36.200
rs1053050	ebi-a-GCST90027161	12	107367224	T/C	0.472	0.472	0.005	0.010	0.627	25.366
rs113873857	ebi-a-GCST90027161	11	103656339	T/G	0.065	0.065	0.005	0.020	0.808	21.127
rs115383270	ebi-a-GCST90027161	1	161531340	A/G	0.057	0.057	0.005	0.029	0.866	87.834
rs55921103	ebi-a-GCST90027161	3	69810294	G/T	0.365	0.365	0.005	0.011	0.640	98.025
rs847175	ebi-a-GCST90027161	2	176921784	T/C	0.502	0.498	0.005	0.010	0.635	21.959
rs434072	ebi-a-GCST90027161	3	12916946	T/G	0.427	0.427	0.005	0.015	0.751	39.993
rs6798943	ebi-a-GCST90027161	3	113541993	G/A	0.343	0.343	0.005	0.011	0.665	21.830
rs6497408	ebi-a-GCST90027161	16	19832589	A/G	0.193	0.193	0.004	0.013	0.738	24.424
rs35814089	ebi-a-GCST90027161	6	101433692	C/T	0.467	0.467	0.004	0.010	0.680	75.916
rs17050272	ebi-a-GCST90027161	2	121306440	A/G	0.458	0.458	0.004	0.010	0.694	202.354
rs1429414	ebi-a-GCST90027161	2	198162430	A/G	0.405	0.405	0.004	0.010	0.708	24.757

rs2305441	ebi-a-GCST90027161	15	90293776	A/C	0.426	0.426	0.004	0.010	0.736	24.962
rs2862954	ebi-a-GCST90027161	10	101912064	C/T	0.461	0.461	0.004	0.010	0.733	130.641
rs35206901	ebi-a-GCST90027161	2	44097360	G/A	0.194	0.194	0.004	0.013	0.780	465.381
rs55714927	ebi-a-GCST90027161	17	7080316	T/C	0.217	0.217	0.003	0.012	0.780	312.654
rs1944075	ebi-a-GCST90027161	11	95461962	C/A	0.516	0.484	0.003	0.010	0.757	29.104
rs4970829	ebi-a-GCST90027161	1	109757295	A/G	0.093	0.093	0.003	0.016	0.846	1168.513
rs6518669	ebi-a-GCST90027161	22	17653038	T/C	0.302	0.302	0.003	0.011	0.778	23.434
rs143070091	ebi-a-GCST90027161	17	26856592	T/C	0.020	0.020	0.003	0.033	0.933	30.057
rs1870939	ebi-a-GCST90027161	1	155055496	A/G	0.506	0.494	0.003	0.015	0.856	34.202
rs62621812	ebi-a-GCST90027161	7	127015083	A/G	0.032	0.032	0.003	0.025	0.917	33.943
rs117113213	ebi-a-GCST90027161	20	39165692	A/G	0.048	0.048	0.003	0.022	0.909	917.265
rs7586105	ebi-a-GCST90027161	2	228571182	C/A	0.142	0.142	0.003	0.014	0.858	36.945
rs8043389	ebi-a-GCST90027161	15	89069457	G/T	0.353	0.353	0.003	0.011	0.812	46.181
rs35633876	ebi-a-GCST90027161	2	20363074	T/G	0.522	0.478	0.002	0.010	0.812	202.793
rs56309827	ebi-a-GCST90027161	11	32582229	C/T	0.464	0.464	0.002	0.010	0.817	23.651
rs146421901	ebi-a-GCST90027161	1	1218334	A/G	0.032	0.032	0.002	0.029	0.939	31.776
rs13233422	ebi-a-GCST90027161	7	100706883	T/C	0.207	0.207	0.002	0.013	0.871	36.243
rs34287227	ebi-a-GCST90027161	12	133458175	T/C	0.074	0.074	0.002	0.020	0.920	29.191
rs4385461	ebi-a-GCST90027161	8	74899700	T/G	0.319	0.319	0.002	0.011	0.861	88.455
rs303436	ebi-a-GCST90027161	10	30731893	C/A	0.305	0.305	0.002	0.011	0.870	26.573
rs1434282	ebi-a-GCST90027161	1	199010721	C/T	0.287	0.287	0.002	0.011	0.880	47.102
rs4385401	ebi-a-GCST90027161	7	100099466	C/T	0.202	0.202	0.002	0.013	0.893	38.086
rs6792725	ebi-a-GCST90027161	3	24520283	A/G	0.361	0.361	0.002	0.011	0.876	137.520
rs12897637	ebi-a-GCST90027161	14	64239351	C/T	0.149	0.149	0.002	0.015	0.911	99.922
rs79949326	ebi-a-GCST90027161	7	6461310	T/C	0.243	0.243	0.002	0.012	0.895	107.880
rs115449167	ebi-a-GCST90027161	1	55780468	C/A	0.024	0.024	0.002	0.033	0.963	60.137
rs6844284	ebi-a-GCST90027161	4	21427382	C/A	0.438	0.438	0.002	0.010	0.887	19.616
rs9688701	ebi-a-GCST90027161	6	18775859	C/A	0.489	0.489	0.002	0.015	0.920	38.035
rs2232316	ebi-a-GCST90027161	2	169757562	A/G	0.086	0.086	0.001	0.019	0.946	25.049
rs35239705	ebi-a-GCST90027161	2	21451687	A/G	0.201	0.201	0.001	0.013	0.919	1068.456
rs56332871	ebi-a-GCST90027161	15	96714816	A/C	0.275	0.275	0.001	0.011	0.913	37.943
rs910653	ebi-a-GCST90027161	20	3672836	A/G	0.382	0.382	0.001	0.011	0.902	38.328
rs2025258	ebi-a-GCST90027161	14	24654489	C/T	0.342	0.342	0.001	0.011	0.921	35.220

rs62259831	ebi-a-GCST90027161	3	58495208	C/T	0.316	0.316	0.001	0.011	0.918	42.051
rs9977637	ebi-a-GCST90027161	21	46914642	G/A	0.189	0.189	0.001	0.013	0.936	54.084
rs4769036	ebi-a-GCST90027161	13	31005142	T/C	0.455	0.455	0.001	0.010	0.930	50.429
rs10164853	ebi-a-GCST90027161	2	158481992	G/A	0.071	0.071	0.001	0.020	0.968	107.972
rs2125345	ebi-a-GCST90027161	17	73782191	C/T	0.264	0.264	0.001	0.012	0.948	93.856
rs8089753	ebi-a-GCST90027161	18	55412068	T/C	0.455	0.455	0.001	0.010	0.942	26.722
rs402348	ebi-a-GCST90027161	18	61034420	G/T	0.201	0.201	0.001	0.013	0.962	41.715
rs28361325	ebi-a-GCST90027161	4	38207739	T/C	0.341	0.341	0.001	0.011	0.964	27.381
rs2941465	ebi-a-GCST90027161	8	76465909	T/C	0.482	0.482	0.000	0.010	0.968	32.190
rs10925019	ebi-a-GCST90027161	1	247595850	T/C	0.125	0.125	0.000	0.016	0.989	26.288
rs272441	ebi-a-GCST90027161	5	179301260	A/G	0.087	0.087	0.000	0.019	0.998	24.358
rs35585881	ebi-a-GCST90027161	5	71957318	A/G	0.073	0.073	0.000	0.021	0.992	70.811
rs62305782	ebi-a-GCST90027161	4	100293109	T/C	0.128	0.128	0.000	0.015	0.988	58.635
rs2740488	ebi-a-GCST90027161	9	107661742	C/A	0.233	0.233	0.000	0.013	0.980	1206.809
rs1375131	ebi-a-GCST90027161	2	135954797	C/T	0.356	0.356	0.000	0.010	0.970	165.806
rs9559788	ebi-a-GCST90027161	13	111048635	T/C	0.340	0.340	-0.001	0.011	0.966	45.416
rs9898605	ebi-a-GCST90027161	17	65124553	A/G	0.310	0.310	-0.001	0.011	0.965	47.571
rs9525915	ebi-a-GCST90027161	13	44690110	A/G	0.358	0.358	-0.001	0.011	0.958	23.293
rs4766602	ebi-a-GCST90027161	12	109890510	C/T	0.411	0.411	-0.001	0.010	0.948	128.587
rs9994887	ebi-a-GCST90027161	4	69537475	G/A	0.504	0.496	-0.001	0.010	0.947	169.076
rs6999569	ebi-a-GCST90027161	8	126475770	G/A	0.478	0.478	-0.001	0.010	0.941	2074.097
rs969075	ebi-a-GCST90027161	20	17792323	T/C	0.320	0.320	-0.001	0.011	0.945	73.399
rs4671050	ebi-a-GCST90027161	2	62988169	T/G	0.329	0.329	-0.001	0.011	0.933	162.612
rs11783573	ebi-a-GCST90027161	8	141731000	A/G	0.488	0.488	-0.001	0.010	0.922	27.457
rs11789603	ebi-a-GCST90027161	9	107647019	T/C	0.097	0.097	-0.001	0.018	0.948	481.053
rs10183314	ebi-a-GCST90027161	2	8666210	G/A	0.285	0.285	-0.001	0.012	0.919	28.621
rs41280463	ebi-a-GCST90027161	4	154191226	A/G	0.187	0.187	-0.001	0.012	0.926	121.742
rs4704825	ebi-a-GCST90027161	5	156382308	A/G	0.357	0.357	-0.001	0.011	0.904	926.673
rs12051093	ebi-a-GCST90027161	16	71276067	C/A	0.308	0.308	-0.002	0.011	0.890	19.875
rs11188452	ebi-a-GCST90027161	10	97484742	C/T	0.447	0.447	-0.002	0.010	0.875	29.571
rs1124175	ebi-a-GCST90027161	7	155015124	T/G	0.167	0.167	-0.002	0.014	0.903	73.461
rs4939883	ebi-a-GCST90027161	18	47167214	T/C	0.182	0.182	-0.002	0.013	0.899	691.891
rs11761517	ebi-a-GCST90027161	7	158532706	T/C	0.494	0.494	-0.002	0.010	0.865	37.051

rs3788509	ebi-a-GCST90027161	22	35707236	A/G	0.362	0.362	-0.002	0.011	0.877	96.436
rs62038707	ebi-a-GCST90027161	16	55873963	C/T	0.403	0.403	-0.002	0.011	0.872	24.031
rs145159694	ebi-a-GCST90027161	16	56554976	A/G	0.047	0.047	-0.002	0.023	0.933	37.498
rs62119282	ebi-a-GCST90027161	19	45145617	T/C	0.061	0.061	-0.002	0.022	0.931	51.047
rs1057835	ebi-a-GCST90027161	16	712867	G/A	0.335	0.335	-0.002	0.014	0.889	23.092
rs2773966	ebi-a-GCST90027161	13	32502594	A/G	0.305	0.305	-0.002	0.011	0.855	38.240
rs11711206	ebi-a-GCST90027161	3	170732945	G/A	0.095	0.095	-0.002	0.018	0.902	64.630
rs6662888	ebi-a-GCST90027161	1	44602159	A/G	0.307	0.307	-0.002	0.011	0.840	22.678
rs9592980	ebi-a-GCST90027161	13	74855425	G/A	0.425	0.425	-0.002	0.010	0.832	67.775
rs13107325	ebi-a-GCST90027161	4	103188709	T/C	0.049	0.049	-0.002	0.029	0.934	216.928
rs9609200	ebi-a-GCST90027161	22	31439170	C/T	0.316	0.316	-0.002	0.011	0.835	21.850
rs12439178	ebi-a-GCST90027161	15	74721969	G/T	0.109	0.109	-0.002	0.017	0.886	40.994
rs8066617	ebi-a-GCST90027161	17	55210713	G/A	0.356	0.356	-0.002	0.011	0.822	21.736
rs2342307	ebi-a-GCST90027161	3	195942487	A/G	0.375	0.375	-0.003	0.011	0.807	28.127
rs4714035	ebi-a-GCST90027161	6	37048827	A/G	0.522	0.478	-0.003	0.010	0.801	124.976
rs9967857	ebi-a-GCST90027161	2	26390964	C/T	0.305	0.305	-0.003	0.011	0.811	37.059
rs6022850	ebi-a-GCST90027161	20	52535400	T/C	0.449	0.449	-0.003	0.010	0.796	91.571
rs12054720	ebi-a-GCST90027161	5	96289724	C/T	0.073	0.073	-0.003	0.019	0.886	26.995
rs1638586	ebi-a-GCST90027161	11	67174597	A/G	0.094	0.094	-0.003	0.016	0.865	49.315
rs1848797	ebi-a-GCST90027161	10	64552934	G/A	0.385	0.385	-0.003	0.010	0.789	24.052
rs11679974	ebi-a-GCST90027161	2	44326572	A/G	0.112	0.112	-0.003	0.016	0.846	43.791
rs8039512	ebi-a-GCST90027161	15	49595296	A/G	0.426	0.426	-0.003	0.010	0.767	64.533
rs12749864	ebi-a-GCST90027161	1	172499781	A/G	0.281	0.281	-0.003	0.011	0.775	24.094
rs1661052	ebi-a-GCST90027161	11	2942593	G/A	0.085	0.085	-0.003	0.019	0.867	107.319
rs791517	ebi-a-GCST90027161	9	106756714	C/T	0.153	0.153	-0.003	0.014	0.829	20.105
rs9804705	ebi-a-GCST90027161	12	100548926	A/G	0.109	0.109	-0.003	0.016	0.845	35.879
rs13254847	ebi-a-GCST90027161	8	21942840	T/C	0.230	0.230	-0.003	0.012	0.793	53.097
rs75476513	ebi-a-GCST90027161	16	904301	T/G	0.033	0.033	-0.003	0.030	0.914	22.329
rs4147614	ebi-a-GCST90027161	6	52658191	G/A	0.372	0.372	-0.003	0.011	0.759	38.962
rs60988380	ebi-a-GCST90027161	9	33117954	T/C	0.107	0.107	-0.003	0.016	0.841	28.123
rs166833	ebi-a-GCST90027161	13	103699105	C/A	0.222	0.222	-0.003	0.013	0.787	24.431
rs2113260	ebi-a-GCST90027161	16	11455993	T/C	0.310	0.310	-0.003	0.011	0.758	56.556
rs6696954	ebi-a-GCST90027161	1	66054995	T/G	0.315	0.315	-0.003	0.011	0.761	37.929

rs7350481	ebi-a-GCST90027161	11	116586283	T/C	0.066	0.066	-0.003	0.020	0.864	1088.876
rs6589563	ebi-a-GCST90027161	11	116590787	A/G	0.097	0.097	-0.004	0.017	0.828	974.354
rs13057311	ebi-a-GCST90027161	22	50878196	A/G	0.261	0.261	-0.004	0.012	0.750	44.644
rs7149261	ebi-a-GCST90027161	14	70875513	G/T	0.138	0.138	-0.004	0.015	0.805	99.099
rs7232604	ebi-a-GCST90027161	18	42188283	T/C	0.107	0.107	-0.004	0.016	0.809	33.071
rs76636886	ebi-a-GCST90027161	12	133113747	A/G	0.137	0.137	-0.004	0.015	0.784	80.528
rs1736192	ebi-a-GCST90027161	19	2784678	A/G	0.211	0.211	-0.004	0.012	0.738	91.826
rs13281969	ebi-a-GCST90027161	8	95745871	A/G	0.494	0.494	-0.004	0.010	0.683	20.908
rs7319323	ebi-a-GCST90027161	13	110955187	C/T	0.327	0.327	-0.004	0.011	0.691	42.101
rs12575636	ebi-a-GCST90027161	11	95311260	G/T	0.185	0.185	-0.004	0.013	0.741	51.812
rs7208136	ebi-a-GCST90027161	17	78315731	T/C	0.282	0.282	-0.005	0.012	0.698	25.426
rs11003134	ebi-a-GCST90027161	10	54538159	A/C	0.141	0.141	-0.005	0.015	0.753	31.564
rs880315	ebi-a-GCST90027161	1	10796866	C/T	0.378	0.378	-0.005	0.010	0.652	59.910
rs9942164	ebi-a-GCST90027161	4	76630017	G/A	0.127	0.127	-0.005	0.016	0.768	67.568
rs17800291	ebi-a-GCST90027161	18	47393991	C/T	0.148	0.148	-0.005	0.014	0.722	96.842
rs6684364	ebi-a-GCST90027161	1	78574129	A/G	0.227	0.227	-0.005	0.012	0.687	25.460
rs10135971	ebi-a-GCST90027161	14	69517494	A/G	0.340	0.340	-0.005	0.011	0.642	23.010
rs1182199	ebi-a-GCST90027161	7	2862542	A/C	0.324	0.324	-0.005	0.011	0.639	22.224
rs118039278	ebi-a-GCST90027161	6	160985526	A/G	0.065	0.065	-0.005	0.023	0.820	1415.707
rs28406917	ebi-a-GCST90027161	7	21449451	T/C	0.439	0.439	-0.005	0.010	0.620	78.712
rs655488	ebi-a-GCST90027161	11	74568188	C/T	0.217	0.217	-0.005	0.012	0.677	20.033
rs10242866	ebi-a-GCST90027161	7	17920613	T/C	0.366	0.366	-0.005	0.011	0.622	57.599
rs1279677	ebi-a-GCST90027161	13	78329866	A/G	0.055	0.055	-0.005	0.026	0.840	31.014
rs10164254	ebi-a-GCST90027161	18	77766322	G/T	0.226	0.226	-0.005	0.012	0.662	33.896
rs10503032	ebi-a-GCST90027161	18	57356148	A/G	0.358	0.358	-0.006	0.011	0.600	29.780
rs77849807	ebi-a-GCST90027161	4	26152727	G/A	0.020	0.020	-0.006	0.033	0.867	20.899
rs11787335	ebi-a-GCST90027161	8	145044104	T/C	0.352	0.352	-0.006	0.011	0.594	204.486
rs12830910	ebi-a-GCST90027161	12	30890234	C/T	0.273	0.273	-0.006	0.011	0.608	20.972
rs7824358	ebi-a-GCST90027161	8	81877396	A/G	0.402	0.402	-0.006	0.010	0.566	30.907
rs28615248	ebi-a-GCST90027161	8	55451193	C/T	0.205	0.205	-0.006	0.013	0.633	214.504
rs3134099	ebi-a-GCST90027161	8	110087249	G/A	0.393	0.393	-0.006	0.010	0.564	23.142
rs4946713	ebi-a-GCST90027161	6	106374015	A/C	0.428	0.428	-0.006	0.010	0.560	61.680
rs10044005	ebi-a-GCST90027161	5	156421251	G/A	0.432	0.432	-0.006	0.010	0.547	111.063

rs13008204	ebi-a-GCST90027161	2	174841933	C/T	0.443	0.443	-0.006	0.010	0.537	27.625
rs115398582	ebi-a-GCST90027161	5	75212871	T/G	0.021	0.021	-0.006	0.037	0.862	25.959
rs1057868	ebi-a-GCST90027161	7	75615006	T/C	0.326	0.326	-0.007	0.011	0.534	63.847
rs35398641	ebi-a-GCST90027161	12	6514969	T/C	0.448	0.448	-0.007	0.010	0.522	39.012
rs10877015	ebi-a-GCST90027161	12	58167788	G/A	0.339	0.339	-0.007	0.011	0.528	27.149
rs13379043	ebi-a-GCST90027161	14	74250126	C/T	0.239	0.239	-0.007	0.013	0.592	35.749
rs1497406	ebi-a-GCST90027161	1	16505320	A/G	0.379	0.379	-0.007	0.011	0.530	100.473
rs6478851	ebi-a-GCST90027161	9	131561110	A/G	0.213	0.213	-0.007	0.013	0.596	64.393
rs7603427	ebi-a-GCST90027161	2	204317553	C/T	0.507	0.493	-0.007	0.010	0.506	76.534
rs12691088	ebi-a-GCST90027161	19	45418486	A/G	0.024	0.024	-0.007	0.034	0.838	849.587
rs793487	ebi-a-GCST90027161	3	99495422	A/C	0.447	0.447	-0.007	0.010	0.487	32.975
rs9402685	ebi-a-GCST90027161	6	135419688	C/T	0.295	0.295	-0.007	0.011	0.519	324.758
rs113394935	ebi-a-GCST90027161	2	114455610	T/C	0.164	0.164	-0.007	0.014	0.594	22.013
rs6456350	ebi-a-GCST90027161	6	20405539	A/G	0.344	0.344	-0.007	0.011	0.509	68.251
rs799157	ebi-a-GCST90027161	7	73020301	T/C	0.033	0.033	-0.007	0.034	0.825	122.900
rs12700691	ebi-a-GCST90027161	7	26029486	C/T	0.040	0.040	-0.008	0.026	0.776	24.642
rs2936512	ebi-a-GCST90027161	8	6599005	T/C	0.330	0.330	-0.008	0.011	0.483	71.511
rs6869845	ebi-a-GCST90027161	5	122833703	C/T	0.468	0.468	-0.008	0.010	0.457	121.628
rs4303833	ebi-a-GCST90027161	3	125066226	G/A	0.268	0.268	-0.008	0.012	0.505	51.264
rs79543001	ebi-a-GCST90027161	16	68387341	T/C	0.115	0.115	-0.008	0.016	0.625	38.487
rs7499309	ebi-a-GCST90027161	16	85557449	G/A	0.274	0.274	-0.008	0.012	0.521	26.902
rs7904973	ebi-a-GCST90027161	10	124693587	G/T	0.402	0.402	-0.008	0.011	0.466	223.757
rs3825199	ebi-a-GCST90027161	12	93976954	G/A	0.240	0.240	-0.008	0.012	0.491	19.943
rs55943924	ebi-a-GCST90027161	11	134294813	A/G	0.131	0.131	-0.008	0.015	0.587	28.027
rs7958600	ebi-a-GCST90027161	12	46086503	C/T	0.462	0.462	-0.008	0.010	0.431	34.791
rs6719255	ebi-a-GCST90027161	2	72500375	A/G	0.168	0.168	-0.008	0.014	0.560	22.204
rs151140920	ebi-a-GCST90027161	6	144356629	A/G	0.077	0.077	-0.008	0.019	0.666	32.220
rs4895550	ebi-a-GCST90027161	6	139343892	T/C	0.474	0.474	-0.008	0.010	0.419	77.641
rs308915	ebi-a-GCST90027161	2	86859298	A/C	0.476	0.476	-0.008	0.010	0.413	47.026
rs429940	ebi-a-GCST90027161	22	18292466	G/A	0.371	0.371	-0.008	0.010	0.423	29.200
rs35106244	ebi-a-GCST90027161	19	49203829	T/C	0.392	0.392	-0.009	0.011	0.440	426.118
rs4639796	ebi-a-GCST90027161	1	197126649	A/G	0.185	0.185	-0.009	0.013	0.503	37.368
rs79662819	ebi-a-GCST90027161	1	95619804	T/C	0.087	0.087	-0.009	0.018	0.631	29.902

rs56048141	ebi-a-GCST90027161	19	11317744	T/C	0.019	0.019	-0.009	0.038	0.823	265.397
rs6440043	ebi-a-GCST90027161	3	141589505	C/T	0.484	0.484	-0.009	0.010	0.391	29.808
rs79835095	ebi-a-GCST90027161	4	10118733	T/C	0.220	0.220	-0.009	0.012	0.485	28.611
rs45440196	ebi-a-GCST90027161	4	100451127	A/G	0.134	0.134	-0.009	0.015	0.553	47.929
rs8081502	ebi-a-GCST90027161	17	4659296	T/G	0.390	0.390	-0.009	0.011	0.392	29.048
rs28866344	ebi-a-GCST90027161	12	123885484	A/G	0.102	0.102	-0.009	0.016	0.570	220.201
rs13335638	ebi-a-GCST90027161	16	2136624	C/T	0.187	0.187	-0.009	0.013	0.481	32.068
rs2235215	ebi-a-GCST90027161	6	16131156	C/T	0.341	0.341	-0.009	0.011	0.372	368.747
rs3775228	ebi-a-GCST90027161	4	87985166	T/C	0.390	0.390	-0.009	0.010	0.366	91.049
rs1115265	ebi-a-GCST90027161	7	134841935	A/G	0.075	0.075	-0.010	0.020	0.624	42.390
rs12341585	ebi-a-GCST90027161	9	130358236	A/C	0.166	0.166	-0.010	0.013	0.457	28.971
rs6864885	ebi-a-GCST90027161	5	127956308	G/T	0.125	0.125	-0.010	0.016	0.522	20.318
rs17776811	ebi-a-GCST90027161	14	90066451	A/C	0.402	0.402	-0.010	0.011	0.345	40.684
rs2243548	ebi-a-GCST90027161	10	91010313	C/T	0.468	0.468	-0.010	0.010	0.324	64.620
rs6495122	ebi-a-GCST90027161	15	75125645	A/C	0.462	0.462	-0.010	0.010	0.325	73.359
rs12282059	ebi-a-GCST90027161	11	122496035	T/C	0.144	0.144	-0.010	0.014	0.463	38.597
rs12783584	ebi-a-GCST90027161	10	118381945	C/T	0.445	0.445	-0.010	0.010	0.320	60.586
rs1992172	ebi-a-GCST90027161	2	109093836	G/A	0.212	0.212	-0.010	0.012	0.411	107.009
rs4329504	ebi-a-GCST90027161	1	39451488	G/A	0.427	0.427	-0.010	0.010	0.323	48.602
rs200073960	ebi-a-GCST90027161	15	57001179	T/C	0.047	0.047	-0.011	0.031	0.726	67.643
rs10184673	ebi-a-GCST90027161	2	169827796	G/A	0.433	0.433	-0.011	0.010	0.287	305.929
rs13067636	ebi-a-GCST90027161	3	185922547	T/C	0.256	0.256	-0.011	0.012	0.362	29.790
rs4703645	ebi-a-GCST90027161	5	74361140	C/T	0.184	0.184	-0.011	0.013	0.393	936.114
rs77682405	ebi-a-GCST90027161	3	132181820	T/G	0.058	0.058	-0.011	0.022	0.612	213.312
rs12052257	ebi-a-GCST90027161	2	202241594	A/G	0.393	0.393	-0.011	0.010	0.284	34.106
rs4911253	ebi-a-GCST90027161	20	31352585	G/A	0.462	0.462	-0.011	0.010	0.277	47.645
rs1169288	ebi-a-GCST90027161	12	121416650	C/A	0.343	0.343	-0.011	0.011	0.286	616.961
rs2820468	ebi-a-GCST90027161	1	219673705	A/G	0.348	0.348	-0.011	0.011	0.289	22.733
rs17011755	ebi-a-GCST90027161	10	50287572	G/A	0.195	0.195	-0.012	0.013	0.386	30.750
rs61730955	ebi-a-GCST90027161	7	943868	A/G	0.067	0.067	-0.012	0.019	0.547	46.388
rs7316368	ebi-a-GCST90027161	12	617210	T/C	0.229	0.229	-0.012	0.013	0.369	66.457
rs12161828	ebi-a-GCST90027161	13	30957298	T/C	0.081	0.081	-0.012	0.018	0.504	40.057
rs671424	ebi-a-GCST90027161	18	77450637	A/G	0.382	0.382	-0.012	0.011	0.267	20.703

rs72822490	ebi-a-GCST90027161	2	65607203	T/C	0.095	0.095	-0.012	0.017	0.483	21.701
rs79287178	ebi-a-GCST90027161	3	172294500	A/G	0.034	0.034	-0.012	0.028	0.670	31.236
rs1889930	ebi-a-GCST90027161	10	95320505	A/G	0.200	0.200	-0.012	0.013	0.350	29.468
rs35756741	ebi-a-GCST90027161	12	12868701	T/C	0.093	0.093	-0.012	0.018	0.497	39.354
rs80206917	ebi-a-GCST90027161	7	140159389	C/T	0.315	0.315	-0.012	0.011	0.271	31.996
rs116734477	ebi-a-GCST90027161	5	52095024	T/C	0.037	0.037	-0.013	0.028	0.657	97.000
rs2434583	ebi-a-GCST90027161	5	57620041	C/A	0.583	0.417	-0.013	0.014	0.376	32.668
rs56223081	ebi-a-GCST90027161	11	65961498	T/G	0.042	0.042	-0.013	0.029	0.659	58.366
rs12329760	ebi-a-GCST90027161	21	42852497	T/C	0.282	0.282	-0.013	0.011	0.244	26.004
rs13425877	ebi-a-GCST90027161	2	78352699	A/G	0.107	0.107	-0.013	0.016	0.424	24.818
rs140723719	ebi-a-GCST90027161	1	45306595	A/G	0.032	0.032	-0.013	0.035	0.712	30.876
rs9822164	ebi-a-GCST90027161	3	185888597	G/A	0.252	0.252	-0.013	0.012	0.272	25.012
rs17184382	ebi-a-GCST90027161	15	63792486	C/A	0.382	0.382	-0.014	0.011	0.205	28.061
rs10000896	ebi-a-GCST90027161	4	26174921	A/C	0.157	0.157	-0.014	0.014	0.333	22.573
rs147622113	ebi-a-GCST90027161	19	10771941	T/C	0.028	0.028	-0.014	0.031	0.653	60.066
rs2068888	ebi-a-GCST90027161	10	94839642	A/G	0.459	0.459	-0.014	0.010	0.165	183.973
rs113248417	ebi-a-GCST90027161	11	61826934	G/A	0.032	0.032	-0.015	0.027	0.591	22.295
rs2618566	ebi-a-GCST90027161	20	17844684	G/T	0.330	0.330	-0.015	0.011	0.170	475.921
rs2840354	ebi-a-GCST90027161	18	9545961	T/C	0.173	0.173	-0.015	0.014	0.282	49.874
rs7864568	ebi-a-GCST90027161	9	78212428	A/G	0.366	0.366	-0.015	0.010	0.141	73.710
rs11038635	ebi-a-GCST90027161	11	5689741	A/G	0.057	0.057	-0.016	0.022	0.479	48.481
rs9410206	ebi-a-GCST90027161	9	91404728	C/T	0.051	0.051	-0.016	0.024	0.522	43.835
rs10495907	ebi-a-GCST90027161	2	43998726	A/G	0.140	0.140	-0.016	0.014	0.269	191.426
rs332781	ebi-a-GCST90027161	1	174687621	T/C	0.251	0.251	-0.016	0.012	0.178	24.076
rs12523888	ebi-a-GCST90027161	6	121781385	C/T	0.224	0.224	-0.016	0.012	0.178	22.140
rs2272688	ebi-a-GCST90027161	8	23395279	G/T	0.192	0.192	-0.016	0.013	0.214	29.273
rs117139027	ebi-a-GCST90027161	8	29024943	A/G	0.012	0.012	-0.016	0.060	0.786	114.497
rs12292982	ebi-a-GCST90027161	11	77197782	C/T	0.202	0.202	-0.016	0.013	0.224	20.224
rs7336371	ebi-a-GCST90027161	13	95221268	A/G	0.229	0.229	-0.016	0.012	0.177	35.559
rs4234798	ebi-a-GCST90027161	4	7219933	T/G	0.390	0.390	-0.016	0.010	0.112	59.708
rs17476364	ebi-a-GCST90027161	10	71094504	C/T	0.088	0.088	-0.017	0.020	0.396	182.720
rs7029482	ebi-a-GCST90027161	9	117946338	C/A	0.309	0.309	-0.017	0.011	0.130	21.981
rs148631275	ebi-a-GCST90027161	1	109927624	C/T	0.020	0.020	-0.017	0.036	0.633	20.416

rs10821122	ebi-a-GCST90027161	9	96157754	T/C	0.464	0.464	-0.017	0.010	0.093	20.863
rs28929474	ebi-a-GCST90027161	14	94844947	T/C	0.020	0.020	-0.017	0.037	0.643	90.535
rs13178412	ebi-a-GCST90027161	5	55831021	G/A	0.141	0.141	-0.017	0.015	0.235	26.070
rs56266464	ebi-a-GCST90027161	2	44054991	A/G	0.069	0.069	-0.018	0.020	0.366	1355.014
rs6115204	ebi-a-GCST90027161	20	25508005	A/G	0.446	0.446	-0.018	0.010	0.080	47.998
rs6682862	ebi-a-GCST90027161	1	177938437	A/G	0.166	0.166	-0.018	0.014	0.192	38.314
rs114863007	ebi-a-GCST90027161	6	34729158	A/G	0.117	0.117	-0.018	0.015	0.230	269.374
rs9289196	ebi-a-GCST90027161	3	122268506	C/T	0.159	0.159	-0.019	0.015	0.197	90.332
rs7903402	ebi-a-GCST90027161	10	17259772	T/C	0.413	0.413	-0.019	0.010	0.063	228.052
rs147901227	ebi-a-GCST90027161	1	179901570	T/C	0.104	0.104	-0.019	0.017	0.250	20.029
rs7929799	ebi-a-GCST90027161	11	119055362	G/A	0.448	0.448	-0.019	0.010	0.057	29.155
rs10910476	ebi-a-GCST90027161	1	234734956	C/T	0.456	0.456	-0.020	0.010	0.055	90.046
rs73086678	ebi-a-GCST90027161	3	196046428	A/G	0.218	0.218	-0.020	0.012	0.098	21.588
rs11538871	ebi-a-GCST90027161	16	89977745	T/C	0.082	0.082	-0.021	0.019	0.274	24.909
rs3812591	ebi-a-GCST90027161	9	139341612	C/T	0.270	0.270	-0.021	0.011	0.063	42.477
rs12748401	ebi-a-GCST90027161	1	210453990	T/C	0.159	0.159	-0.021	0.013	0.112	30.173
rs12451056	ebi-a-GCST90027161	17	76396188	T/C	0.123	0.123	-0.022	0.017	0.196	128.968
rs3199918	ebi-a-GCST90027161	3	52581435	C/T	0.195	0.195	-0.022	0.013	0.091	23.707
rs6090040	ebi-a-GCST90027161	20	62692060	A/C	0.468	0.468	-0.022	0.010	0.031	81.363
rs10818578	ebi-a-GCST90027161	9	124414751	G/A	0.260	0.260	-0.023	0.012	0.049	38.950
rs9379084	ebi-a-GCST90027161	6	7231843	A/G	0.111	0.111	-0.023	0.017	0.171	23.614
rs41524846	ebi-a-GCST90027161	17	49252238	C/T	0.278	0.278	-0.024	0.011	0.034	39.811
rs72847536	ebi-a-GCST90027161	17	27026513	A/G	0.033	0.033	-0.024	0.028	0.406	72.686
rs112449225	ebi-a-GCST90027161	1	109610698	G/A	0.022	0.022	-0.024	0.035	0.495	27.102
rs10513801	ebi-a-GCST90027161	3	185822353	G/T	0.120	0.120	-0.025	0.016	0.132	79.971
rs117733303	ebi-a-GCST90027161	6	160922870	G/A	0.017	0.017	-0.025	0.038	0.514	549.369
rs1196753	ebi-a-GCST90027161	12	105602631	C/A	0.169	0.169	-0.025	0.014	0.070	24.228
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	86.378
rs6709393	ebi-a-GCST90027161	2	238505625	G/A	0.293	0.293	-0.026	0.012	0.026	22.694
rs11247738	ebi-a-GCST90027161	1	28348723	A/G	0.264	0.264	-0.026	0.012	0.023	54.094
rs55938402	ebi-a-GCST90027161	2	118843158	A/G	0.097	0.097	-0.026	0.017	0.122	276.107
rs7599046	ebi-a-GCST90027161	2	43238381	A/C	0.044	0.044	-0.027	0.026	0.306	25.162
rs17123116	ebi-a-GCST90027161	14	51371081	C/A	0.021	0.021	-0.027	0.034	0.425	32.994

rs56369689	ebi-a-GCST90027161	16	30120308	G/A	0.373	0.373	-0.028	0.011	0.009	29.877
rs1229984	ebi-a-GCST90027161	4	100239319	T/C	0.017	0.017	-0.028	0.041	0.494	64.974
rs3887251	ebi-a-GCST90027161	8	126633554	C/A	0.210	0.210	-0.028	0.013	0.025	23.890
rs6063965	ebi-a-GCST90027161	20	52191200	A/G	0.130	0.130	-0.029	0.015	0.051	44.594
rs11846704	ebi-a-GCST90027161	14	35186694	T/C	0.268	0.268	-0.029	0.012	0.013	61.135
rs117933559	ebi-a-GCST90027161	15	77560308	C/T	0.017	0.017	-0.029	0.045	0.520	21.828
rs11648003	ebi-a-GCST90027161	16	72052348	G/A	0.223	0.223	-0.029	0.012	0.015	967.700
rs3184504	ebi-a-GCST90027161	12	111884608	T/C	0.453	0.453	-0.030	0.010	0.004	398.102
rs113867238	ebi-a-GCST90027161	2	203495058	A/G	0.288	0.288	-0.031	0.011	0.006	332.957
rs191243200	ebi-a-GCST90027161	2	44090361	A/G	0.012	0.012	-0.031	0.051	0.544	97.905
rs4780401	ebi-a-GCST90027161	16	11839326	G/T	0.406	0.406	-0.031	0.011	0.003	22.646
rs2274127	ebi-a-GCST90027161	1	150252984	T/G	0.484	0.484	-0.035	0.010	0.000	47.022
rs61933420	ebi-a-GCST90027161	12	125218626	A/G	0.096	0.096	-0.036	0.017	0.036	113.867
rs146948889	ebi-a-GCST90027161	3	48477252	A/G	0.033	0.033	-0.037	0.026	0.160	63.112
rs9310213	ebi-a-GCST90027161	3	71437594	G/A	0.178	0.178	-0.040	0.013	0.003	20.705
rs143655815	ebi-a-GCST90027161	12	57516932	T/C	0.026	0.026	-0.040	0.029	0.164	22.887
rs11711096	ebi-a-GCST90027161	3	128072502	A/G	0.100	0.100	-0.043	0.016	0.009	34.044
rs6915410	ebi-a-GCST90027161	6	35292204	C/T	0.038	0.038	-0.044	0.030	0.147	59.398
rs77960347	ebi-a-GCST90027161	18	47109955	G/A	0.011	0.011	-0.044	0.053	0.401	862.019
rs137923571	ebi-a-GCST90027161	11	56799948	C/T	0.020	0.020	-0.045	0.036	0.216	45.716
rs73013176	ebi-a-GCST90027161	19	11147526	C/T	0.009	0.009	-0.046	0.057	0.417	802.693
rs2234633	ebi-a-GCST90027161	14	21467928	C/T	0.031	0.031	-0.047	0.026	0.067	29.289
rs116276872	ebi-a-GCST90027161	1	110068291	T/C	0.024	0.024	-0.049	0.033	0.137	48.471
rs115458560	ebi-a-GCST90027161	1	110061974	C/T	0.012	0.012	-0.051	0.060	0.401	51.295
rs17036094	ebi-a-GCST90027161	1	109834940	C/A	0.008	0.008	-0.052	0.071	0.460	212.446
rs17248734	ebi-a-GCST90027161	19	11198755	G/T	0.022	0.022	-0.054	0.031	0.083	97.920
rs146444590	ebi-a-GCST90027161	19	21320798	C/A	0.071	0.071	-0.055	0.020	0.005	21.384
rs72677452	ebi-a-GCST90027161	1	56707619	T/G	0.019	0.019	-0.059	0.036	0.103	25.698
rs141015559	ebi-a-GCST90027161	19	10817126	A/G	0.012	0.012	-0.064	0.052	0.215	46.700
rs116692022	ebi-a-GCST90027161	4	155448758	G/A	0.009	0.009	-0.098	0.067	0.145	69.198
rs62119267	ebi-a-GCST90027161	19	45134682	C/A	0.017	0.017	-0.112	0.046	0.015	980.522
rs146534110	ebi-a-GCST90027161	6	160578069	T/G	0.010	0.010	-0.114	0.058	0.050	116.815

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rs138991266	ebi-a-GCST90027161	2	222892324	T/C	0.019	0.019	0.051	0.037	0.163	19.679
rs113026608	ebi-a-GCST90027161	18	10816055	A/G	0.010	0.010	0.033	0.056	0.562	20.452
rs61834204	ebi-a-GCST90027161	10	2277235	C/T	0.250	0.250	0.026	0.012	0.030	19.713
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	34.630
rs1800588	ebi-a-GCST90027161	15	58723675	T/C	0.230	0.230	0.015	0.012	0.193	112.485
rs10502724	ebi-a-GCST90027161	18	37012708	T/C	0.244	0.244	0.014	0.012	0.217	24.030
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	88.422
rs76246956	ebi-a-GCST90027161	4	74783906	A/G	0.028	0.028	0.012	0.030	0.695	21.914
rs10770571	ebi-a-GCST90027161	12	20073309	A/G	0.506	0.494	0.009	0.010	0.383	21.450
rs11820792	ebi-a-GCST90027161	11	67405967	T/G	0.204	0.204	0.008	0.013	0.522	30.677
rs10051260	ebi-a-GCST90027161	5	74567359	A/G	0.169	0.169	0.005	0.017	0.767	32.152
rs36091905	ebi-a-GCST90027161	22	39629373	A/G	0.014	0.014	0.001	0.052	0.988	19.809
rs62497302	ebi-a-GCST90027161	8	20925925	T/C	0.247	0.247	0.001	0.012	0.956	20.280
rs2270925	ebi-a-GCST90027161	5	156482099	C/T	0.644	0.356	-0.001	0.011	0.962	21.196
rs908265	ebi-a-GCST90027161	2	240262287	C/T	0.653	0.347	-0.002	0.011	0.819	22.470
rs9358816	ebi-a-GCST90027161	6	24988520	C/T	0.586	0.414	-0.003	0.010	0.781	27.626
rs35489648	ebi-a-GCST90027161	7	72870211	A/G	0.079	0.079	-0.003	0.018	0.856	22.004
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	36.169
rs28483956	ebi-a-GCST90027161	8	59405459	A/G	0.064	0.064	-0.007	0.020	0.741	21.361
rs71464431	ebi-a-GCST90027161	12	129623191	A/G	0.477	0.477	-0.007	0.010	0.527	20.891
rs12732947	ebi-a-GCST90027161	1	8959095	C/A	0.315	0.315	-0.007	0.011	0.509	19.757
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	79.663
rs724866	ebi-a-GCST90027161	5	73790186	G/A	0.600	0.400	-0.010	0.011	0.346	21.907
rs174418	ebi-a-GCST90027161	15	58687603	C/T	0.589	0.412	-0.015	0.010	0.162	61.253
rs200001	ebi-a-GCST90027161	5	8699765	A/G	0.191	0.191	-0.022	0.014	0.102	20.911
rs1860356	ebi-a-GCST90027161	12	4042558	A/C	0.072	0.072	-0.022	0.020	0.271	20.848
rs56296027	ebi-a-GCST90027161	2	21134011	C/T	0.244	0.244	-0.023	0.012	0.047	26.053
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	25.991
rs17414716	ebi-a-GCST90027161	1	55759138	G/A	0.015	0.015	-0.034	0.038	0.364	34.528
n chylomicrons and largest VLDL particles										
rs76911429	ebi-a-GCST90027161	8	1267105	G/A	0.032	0.032	0.020	0.034	0.545	26.447
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	22.900
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	31.924

rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	32.197
rs1007581	ebi-a-GCST90027161	10	117585986	C/T	0.534	0.466	0.014	0.010	0.181	21.597
rs117554760	ebi-a-GCST90027161	18	30750252	T/C	0.054	0.054	0.011	0.025	0.649	22.331
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	20.666
rs9484315	ebi-a-GCST90027161	6	140106278	A/G	0.136	0.136	0.008	0.015	0.594	21.902
rs11232119	ebi-a-GCST90027161	11	80120305	T/C	0.081	0.081	0.006	0.020	0.753	21.177
rs525390	ebi-a-GCST90027161	11	117111214	A/G	0.360	0.360	0.003	0.011	0.775	21.984
rs7957632	ebi-a-GCST90027161	12	93998321	C/T	0.280	0.280	0.001	0.011	0.939	22.567
rs629090	ebi-a-GCST90027161	13	21543678	A/G	0.359	0.359	0.001	0.011	0.963	23.287
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	25.832
rs4658616	ebi-a-GCST90027161	1	244383838	G/A	0.146	0.146	-0.002	0.015	0.889	24.266
rs7395581	ebi-a-GCST90027161	11	47246397	A/G	0.661	0.339	-0.008	0.011	0.459	20.972
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	47.735
rs13149209	ebi-a-GCST90027161	4	89750668	C/T	0.250	0.250	-0.009	0.012	0.445	23.846
rs7527004	ebi-a-GCST90027161	1	62972228	A/G	0.671	0.329	-0.010	0.011	0.346	38.422
rs183130	ebi-a-GCST90027161	16	56991363	T/C	0.308	0.308	-0.022	0.011	0.047	45.808
rs78722630	ebi-a-GCST90027161	2	238053498	A/G	0.039	0.039	-0.022	0.025	0.380	20.290
rs483082	ebi-a-GCST90027161	19	45416178	T/G	0.235	0.235	-0.030	0.012	0.013	47.146
rs117048027	ebi-a-GCST90027161	11	39597471	C/T	0.025	0.025	-0.050	0.029	0.087	19.812
Total lipids in IDL id:met-c-869										
rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	26.032
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	24.837
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	28.768
rs28733017	ebi-a-GCST90027161	15	96890855	C/T	0.052	0.052	0.025	0.020	0.207	23.044
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	22.043
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	40.897
rs952275	ebi-a-GCST90027161	2	21221399	G/T	0.485	0.485	0.012	0.010	0.244	110.956
rs11125327	ebi-a-GCST90027161	2	21483047	T/G	0.748	0.252	0.011	0.012	0.339	22.323
rs2044333	ebi-a-GCST90027161	15	58646656	A/G	0.493	0.493	0.010	0.010	0.305	21.509
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	32.851
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	44.344
rs13240393	ebi-a-GCST90027161	7	3652707	G/A	0.189	0.189	0.006	0.014	0.638	22.937
rs149623	ebi-a-GCST90027161	5	123073197	C/T	0.471	0.471	0.004	0.010	0.719	21.191

rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	81.342
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	51.574
rs151297021	ebi-a-GCST90027161	1	11143456	C/T	0.048	0.048	0.001	0.028	0.963	20.401
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	20.442
rs6882076	ebi-a-GCST90027161	5	156390297	C/T	0.643	0.357	0.001	0.011	0.931	24.691
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	49.697
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	86.493
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	32.070
rs113531395	ebi-a-GCST90027161	17	4886829	T/C	0.012	0.012	-0.007	0.053	0.899	25.737
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	22.272
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	96.206
rs2965160	ebi-a-GCST90027161	19	45196135	G/A	0.359	0.359	-0.008	0.011	0.458	30.002
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	94.040
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	31.385
rs1349326	ebi-a-GCST90027161	11	10376420	A/G	0.846	0.154	-0.010	0.014	0.483	21.150
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	190.918
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	64.194
rs12048617	ebi-a-GCST90027161	1	25739064	A/G	0.551	0.449	-0.016	0.010	0.124	26.125
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	185.672
rs76866386	ebi-a-GCST90027161	2	44075483	C/T	0.072	0.072	-0.016	0.019	0.404	42.407
rs183130	ebi-a-GCST90027161	16	56991363	T/C	0.308	0.308	-0.022	0.011	0.047	20.225
rs9977179	ebi-a-GCST90027161	21	39345338	G/A	0.239	0.239	-0.023	0.012	0.059	20.173
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	40.000
rs73221046	ebi-a-GCST90027161	4	31423582	A/G	0.015	0.015	-0.031	0.059	0.598	23.648

Total lipids in large HDL || id:met-c-877

rs147455794	ebi-a-GCST90027161	9	107231215	A/G	0.004	0.004	0.109	0.068	0.107	24.701
rs117998397	ebi-a-GCST90027161	20	54589248	C/T	0.027	0.027	0.050	0.033	0.137	20.848
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	25.351
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	104.605
rs1689797	ebi-a-GCST90027161	1	182150978	A/C	0.317	0.317	0.018	0.011	0.109	21.825
rs40270	ebi-a-GCST90027161	5	55804552	C/A	0.745	0.255	0.016	0.011	0.174	21.919
rs2070895	ebi-a-GCST90027161	15	58723939	A/G	0.236	0.236	0.013	0.012	0.259	283.228
rs7256730	ebi-a-GCST90027161	19	7208882	T/C	0.772	0.228	0.010	0.012	0.397	23.393

rs1864482	ebi-a-GCST90027161	15	58648418	T/C	0.496	0.496	0.007	0.010	0.499	20.077
rs291	ebi-a-GCST90027161	8	19815852	C/T	0.235	0.235	0.006	0.012	0.624	63.187
rs9532747	ebi-a-GCST90027161	13	41796542	A/G	0.071	0.071	0.005	0.020	0.809	20.685
rs3741521	ebi-a-GCST90027161	12	125264293	A/G	0.638	0.362	0.005	0.011	0.670	24.804
rs6461876	ebi-a-GCST90027161	7	25669467	A/G	0.338	0.338	0.005	0.011	0.682	20.625
rs1367117	ebi-a-GCST90027161	2	21263900	A/G	0.310	0.310	0.004	0.011	0.741	23.161
rs6905288	ebi-a-GCST90027161	6	43758873	A/G	0.569	0.431	0.003	0.010	0.794	21.038
rs4738065	ebi-a-GCST90027161	8	70960800	G/A	0.491	0.491	-0.005	0.010	0.655	20.777
rs11615241	ebi-a-GCST90027161	12	106005850	A/G	0.213	0.213	-0.007	0.013	0.577	23.012
rs187505938	ebi-a-GCST90027161	7	44877646	G/T	0.048	0.048	-0.007	0.024	0.771	20.323
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	333.811
rs114264597	ebi-a-GCST90027161	3	9635933	T/C	0.030	0.030	-0.008	0.030	0.785	20.624
rs16940472	ebi-a-GCST90027161	15	58835317	A/C	0.113	0.113	-0.009	0.017	0.607	40.936
rs3133431	ebi-a-GCST90027161	8	104058195	A/G	0.467	0.467	-0.015	0.014	0.307	25.623
rs117771152	ebi-a-GCST90027161	9	127059548	C/T	0.023	0.023	-0.016	0.034	0.636	20.226
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	328.991
rs2700831	ebi-a-GCST90027161	17	42041611	G/T	0.684	0.316	-0.025	0.011	0.024	23.215
rs12271743	ebi-a-GCST90027161	11	117026154	C/T	0.045	0.045	-0.027	0.023	0.243	24.007
rs1461729	ebi-a-GCST90027161	8	9187242	G/A	0.882	0.118	-0.031	0.016	0.049	21.388
Total lipids in large LDL id:met-c-883										
rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	32.336
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	26.316
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	35.738
rs12655026	ebi-a-GCST90027161	5	32833603	T/C	0.260	0.260	0.030	0.012	0.009	20.384
rs28733017	ebi-a-GCST90027161	15	96890855	C/T	0.052	0.052	0.025	0.020	0.207	21.665
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	21.822
rs835616	ebi-a-GCST90027161	5	174863690	G/A	0.640	0.360	0.018	0.011	0.082	21.739
rs73066442	ebi-a-GCST90027161	7	21592973	G/A	0.251	0.251	0.017	0.012	0.132	36.760
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	38.636
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	27.129
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	35.852
rs17042055	ebi-a-GCST90027161	2	21491848	G/T	0.818	0.182	0.008	0.013	0.536	21.073
rs62120792	ebi-a-GCST90027161	2	21092488	C/T	0.111	0.111	0.006	0.015	0.706	39.480

rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	35.449
rs934197	ebi-a-GCST90027161	2	21267461	A/G	0.310	0.310	0.004	0.011	0.731	102.182
rs149623	ebi-a-GCST90027161	5	123073197	C/T	0.471	0.471	0.004	0.010	0.719	21.464
rs599132	ebi-a-GCST90027161	10	14421688	C/A	0.561	0.439	0.003	0.010	0.799	21.236
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	95.667
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	59.906
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	25.759
rs6448772	ebi-a-GCST90027161	4	31410172	T/C	0.820	0.181	0.000	0.014	0.992	22.615
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	45.814
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	87.169
rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	33.450
rs2965152	ebi-a-GCST90027161	19	45189000	A/G	0.438	0.438	-0.003	0.010	0.747	32.998
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	22.163
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	20.730
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	114.142
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	27.991
rs5746823	ebi-a-GCST90027161	22	16876636	A/G	0.027	0.027	-0.009	0.031	0.773	20.904
rs10244139	ebi-a-GCST90027161	7	100897350	G/A	0.053	0.053	-0.010	0.023	0.657	22.249
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	220.947
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	72.451
rs12048617	ebi-a-GCST90027161	1	25739064	A/G	0.551	0.449	-0.016	0.010	0.124	21.278
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	193.829
rs112635299	ebi-a-GCST90027161	14	94838142	T/G	0.020	0.020	-0.020	0.037	0.591	24.772
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	48.699
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	50.552
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	494.268
Total lipids in large VLDL id:met-c-889										
rs4632702	ebi-a-GCST90027161	4	185242240	T/C	0.022	0.022	0.043	0.032	0.186	23.071
rs79844703	ebi-a-GCST90027161	8	96440439	A/G	0.025	0.025	0.040	0.033	0.228	20.106
rs1537069	ebi-a-GCST90027161	9	20560683	A/G	0.036	0.036	0.034	0.030	0.266	21.125
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	24.341
rs16996148	ebi-a-GCST90027161	19	19658472	T/G	0.075	0.075	0.021	0.020	0.297	42.102
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	24.505

rs11207978	ebi-a-GCST90027161	1	62980512	C/T	0.207	0.207	0.018	0.013	0.147	39.344
rs78766901	ebi-a-GCST90027161	1	172535250	G/A	0.016	0.016	0.018	0.039	0.650	22.622
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	63.586
rs144396749	ebi-a-GCST90027161	11	55653617	C/A	0.039	0.039	0.014	0.028	0.606	28.076
rs74663814	ebi-a-GCST90027161	2	180877888	T/C	0.060	0.060	0.011	0.021	0.584	20.190
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	32.498
rs476469	ebi-a-GCST90027161	11	117173560	T/C	0.404	0.404	0.009	0.010	0.411	25.664
rs10779836	ebi-a-GCST90027161	1	230303150	T/C	0.793	0.207	0.008	0.013	0.547	21.523
rs115993808	ebi-a-GCST90027161	2	23794857	A/G	0.014	0.014	0.004	0.044	0.932	20.963
rs17803280	ebi-a-GCST90027161	18	47954086	T/C	0.090	0.090	0.003	0.018	0.867	25.439
rs10253042	ebi-a-GCST90027161	7	10087524	A/G	0.149	0.149	0.003	0.012	0.823	23.631
rs2980875	ebi-a-GCST90027161	8	126481747	G/A	0.477	0.477	-0.002	0.010	0.869	25.898
rs73049720	ebi-a-GCST90027161	3	25333497	T/G	0.037	0.037	-0.003	0.029	0.926	20.068
rs10455872	ebi-a-GCST90027161	6	161010118	G/A	0.065	0.065	-0.003	0.022	0.898	33.903
rs3801748	ebi-a-GCST90027161	7	81759508	G/A	0.376	0.376	-0.003	0.010	0.765	22.607
rs62202612	ebi-a-GCST90027161	20	23082929	T/C	0.228	0.228	-0.005	0.012	0.692	21.972
rs73212700	ebi-a-GCST90027161	7	114573879	C/T	0.043	0.043	-0.006	0.027	0.836	20.993
rs3825199	ebi-a-GCST90027161	12	93976954	G/A	0.240	0.240	-0.008	0.012	0.491	20.098
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	67.071
rs7758372	ebi-a-GCST90027161	6	123093676	T/C	0.079	0.079	-0.012	0.020	0.531	20.222
rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	27.428
rs77697917	ebi-a-GCST90027161	17	41840849	T/C	0.029	0.029	-0.018	0.030	0.547	22.902
rs12709889	ebi-a-GCST90027161	19	45453239	A/G	0.292	0.292	-0.019	0.011	0.085	21.722
rs483082	ebi-a-GCST90027161	19	45416178	T/G	0.235	0.235	-0.030	0.012	0.013	49.079
rs143977883	ebi-a-GCST90027161	5	103622217	C/T	0.014	0.014	-0.038	0.043	0.377	23.136
Total lipids in medium HDL id:met-c-901										
rs6073966	ebi-a-GCST90027161	20	44570192	T/C	0.156	0.156	0.036	0.014	0.012	46.524
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	20.178
rs112983422	ebi-a-GCST90027161	6	168316397	C/T	0.029	0.029	0.021	0.034	0.530	22.772
rs882633	ebi-a-GCST90027161	2	29280745	A/G	0.370	0.370	0.011	0.011	0.281	19.975
rs7537624	ebi-a-GCST90027161	1	71588369	C/A	0.527	0.473	0.010	0.010	0.344	22.193
rs10236525	ebi-a-GCST90027161	7	18411672	C/T	0.238	0.238	0.008	0.012	0.483	20.143
rs2325955	ebi-a-GCST90027161	3	84476217	T/G	0.169	0.169	0.006	0.013	0.675	21.177

rs78137712	ebi-a-GCST90027161	2	234809247	G/A	0.040	0.040	0.005	0.026	0.850	22.457
rs7314695	ebi-a-GCST90027161	12	58930678	T/C	0.127	0.127	0.004	0.016	0.788	21.189
rs10414043	ebi-a-GCST90027161	19	45415713	A/G	0.133	0.133	0.002	0.015	0.913	21.250
rs79363762	ebi-a-GCST90027161	16	8586633	C/T	0.087	0.087	0.001	0.017	0.956	21.288
rs61938802	ebi-a-GCST90027161	12	96504318	T/G	0.130	0.130	-0.006	0.015	0.700	23.840
rs12721111	ebi-a-GCST90027161	19	45446271	T/C	0.334	0.334	-0.008	0.011	0.456	20.775
rs590820	ebi-a-GCST90027161	1	230309619	G/A	0.426	0.426	-0.014	0.010	0.173	26.603
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	141.018
rs118039765	ebi-a-GCST90027161	22	41443817	T/C	0.037	0.037	-0.022	0.025	0.385	21.046
rs9987289	ebi-a-GCST90027161	8	9183358	G/A	0.893	0.107	-0.030	0.016	0.069	37.384
rs75361024	ebi-a-GCST90027161	9	27124976	A/G	0.020	0.020	-0.036	0.037	0.325	20.984

Total lipids in medium LDL || id:met-c-906

rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	33.440
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	23.987
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	34.921
rs12655026	ebi-a-GCST90027161	5	32833603	T/C	0.260	0.260	0.030	0.012	0.009	20.563
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	21.319
rs835616	ebi-a-GCST90027161	5	174863690	G/A	0.640	0.360	0.018	0.011	0.082	22.584
rs73066442	ebi-a-GCST90027161	7	21592973	G/A	0.251	0.251	0.017	0.012	0.132	34.141
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	51.545
rs4608457	ebi-a-GCST90027161	19	20217169	T/C	0.023	0.023	0.010	0.031	0.741	26.327
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	29.555
rs17042055	ebi-a-GCST90027161	2	21491848	G/T	0.818	0.182	0.008	0.013	0.536	21.029
rs62120792	ebi-a-GCST90027161	2	21092488	C/T	0.111	0.111	0.006	0.015	0.706	34.331
rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	31.600
rs147097143	ebi-a-GCST90027161	17	60238774	T/C	0.007	0.007	0.005	0.071	0.949	21.658
rs934197	ebi-a-GCST90027161	2	21267461	A/G	0.310	0.310	0.004	0.011	0.731	92.007
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	88.606
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	63.288
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	27.281
rs6448772	ebi-a-GCST90027161	4	31410172	T/C	0.820	0.181	0.000	0.014	0.992	22.846
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	48.694
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	77.212

rs10449300	ebi-a-GCST90027161	1	109381904	G/A	0.322	0.322	-0.003	0.011	0.791	29.384
rs2965152	ebi-a-GCST90027161	19	45189000	A/G	0.438	0.438	-0.003	0.010	0.747	32.243
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	22.448
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	107.455
rs62523994	ebi-a-GCST90027161	8	145026582	A/G	0.390	0.390	-0.009	0.011	0.396	24.606
rs5746823	ebi-a-GCST90027161	22	16876636	A/G	0.027	0.027	-0.009	0.031	0.773	21.421
rs10244139	ebi-a-GCST90027161	7	100897350	G/A	0.053	0.053	-0.010	0.023	0.657	21.146
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	207.997
rs2834153	ebi-a-GCST90027161	21	34588494	C/T	0.509	0.491	-0.014	0.010	0.169	21.169
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	70.667
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	177.879
rs112635299	ebi-a-GCST90027161	14	94838142	T/G	0.020	0.020	-0.020	0.037	0.591	34.641
rs6756629	ebi-a-GCST90027161	2	44065090	A/G	0.070	0.070	-0.020	0.019	0.300	49.160
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	56.099
rs117673009	ebi-a-GCST90027161	16	29971781	A/G	0.015	0.015	-0.056	0.048	0.239	20.428
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	440.430
rs116319294	ebi-a-GCST90027161	4	71236061	T/C	0.019	0.019	-0.063	0.036	0.084	21.930

Total lipids in medium VLDL || id:met-c-912

rs12641940	ebi-a-GCST90027161	4	185241532	G/A	0.022	0.022	0.045	0.032	0.162	22.263
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	34.211
rs2144300	ebi-a-GCST90027161	1	230294916	T/C	0.484	0.484	0.028	0.014	0.051	24.066
rs74498950	ebi-a-GCST90027161	4	16642700	G/A	0.019	0.019	0.022	0.043	0.618	21.242
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	24.305
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	23.069
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	56.316
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	23.130
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	97.963
rs79116552	ebi-a-GCST90027161	2	237744637	A/G	0.059	0.059	0.012	0.023	0.584	26.789
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	29.443
rs1464572	ebi-a-GCST90027161	2	45953910	T/C	0.405	0.405	0.009	0.010	0.361	20.661
rs476469	ebi-a-GCST90027161	11	117173560	T/C	0.404	0.404	0.009	0.010	0.411	26.436
rs4350231	ebi-a-GCST90027161	1	62922660	A/G	0.329	0.329	0.008	0.011	0.468	42.522
rs1042034	ebi-a-GCST90027161	2	21225281	T/C	0.770	0.230	0.007	0.012	0.556	58.781

rs141947880	ebi-a-GCST90027161	11	47385350	T/C	0.042	0.042	0.003	0.029	0.905	30.034
rs6857757	ebi-a-GCST90027161	4	140693160	A/G	0.515	0.485	0.000	0.011	0.977	21.517
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	36.158
rs2014522	ebi-a-GCST90027161	19	23236561	A/G	0.189	0.189	-0.002	0.013	0.869	22.526
rs72752218	ebi-a-GCST90027161	5	55597424	A/G	0.075	0.075	-0.003	0.019	0.881	20.012
rs3801748	ebi-a-GCST90027161	7	81759508	G/A	0.376	0.376	-0.003	0.010	0.765	20.123
rs34346326	ebi-a-GCST90027161	7	73016181	C/T	0.189	0.189	-0.004	0.013	0.791	62.812
rs62202612	ebi-a-GCST90027161	20	23082929	T/C	0.228	0.228	-0.005	0.012	0.692	20.000
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	82.276
rs72884948	ebi-a-GCST90027161	2	181214664	A/G	0.023	0.023	-0.013	0.044	0.777	21.909
rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	22.048
rs149723604	ebi-a-GCST90027161	1	247191017	A/G	0.077	0.077	-0.017	0.018	0.354	20.035
rs112568936	ebi-a-GCST90027161	2	20781254	T/C	0.032	0.032	-0.023	0.027	0.405	22.149
rs2878419	ebi-a-GCST90027161	5	74640490	T/C	0.401	0.401	-0.023	0.010	0.023	28.438
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	32.928
rs3826688	ebi-a-GCST90027161	19	45418961	C/T	0.664	0.336	-0.037	0.011	0.001	56.592
rs143977883	ebi-a-GCST90027161	5	103622217	C/T	0.014	0.014	-0.038	0.043	0.377	22.437

Total lipids in small HDL || id:met-c-921

rs28478716	ebi-a-GCST90027161	12	41172357	C/T	0.010	0.010	0.099	0.055	0.072	21.679
rs6073958	ebi-a-GCST90027161	20	44551855	C/T	0.196	0.196	0.031	0.013	0.015	243.190
rs633695	ebi-a-GCST90027161	15	58725839	G/A	0.294	0.294	0.023	0.011	0.040	48.956
rs11739961	ebi-a-GCST90027161	5	141508488	G/T	0.630	0.370	0.018	0.011	0.097	20.643
rs10468017	ebi-a-GCST90027161	15	58678512	T/C	0.305	0.305	0.009	0.011	0.414	81.748
rs2297030	ebi-a-GCST90027161	1	54722625	C/T	0.056	0.056	0.009	0.021	0.675	21.347
rs7174807	ebi-a-GCST90027161	15	92337950	C/A	0.139	0.139	0.007	0.014	0.602	20.558
rs147097143	ebi-a-GCST90027161	17	60238774	T/C	0.007	0.007	0.005	0.071	0.949	21.304
rs7713763	ebi-a-GCST90027161	5	105896594	T/C	0.277	0.277	0.001	0.012	0.958	20.108
rs61938799	ebi-a-GCST90027161	12	96490023	T/C	0.139	0.139	-0.006	0.015	0.696	21.052
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	54.777
rs9365723	ebi-a-GCST90027161	6	158435572	G/A	0.616	0.384	-0.011	0.010	0.306	20.421
rs35099748	ebi-a-GCST90027161	5	23273713	G/A	0.840	0.160	-0.013	0.014	0.351	20.281
rs4503368	ebi-a-GCST90027161	1	161190250	C/T	0.542	0.458	-0.015	0.010	0.135	19.872
rs142158911	ebi-a-GCST90027161	19	11190534	A/G	0.106	0.106	-0.016	0.017	0.367	23.741

rs73424577	ebi-a-GCST90027161	15	58869185	G/A	0.033	0.033	-0.024	0.028	0.389	31.930
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	38.202
rs78202849	ebi-a-GCST90027161	20	36015195	A/G	0.036	0.036	-0.027	0.028	0.337	22.279
rs9987289	ebi-a-GCST90027161	8	9183358	G/A	0.893	0.107	-0.030	0.016	0.069	23.186
rs7615407	ebi-a-GCST90027161	3	60140553	C/T	0.144	0.144	-0.032	0.014	0.026	21.202
rs111543310	ebi-a-GCST90027161	15	59531818	C/T	0.025	0.025	-0.048	0.034	0.157	28.559
rs116319294	ebi-a-GCST90027161	4	71236061	T/C	0.019	0.019	-0.063	0.036	0.084	20.815

Total lipids in small LDL || id:met-c-925

rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	31.186
rs1993679	ebi-a-GCST90027161	8	2915862	A/G	0.114	0.114	0.044	0.016	0.006	23.849
rs185415345	ebi-a-GCST90027161	1	56625395	A/G	0.024	0.024	0.043	0.030	0.161	30.894
rs117339701	ebi-a-GCST90027161	7	42223201	A/G	0.013	0.013	0.021	0.041	0.608	21.024
rs73066442	ebi-a-GCST90027161	7	21592973	G/A	0.251	0.251	0.017	0.012	0.132	33.277
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	26.940
rs2207132	ebi-a-GCST90027161	20	39142516	A/G	0.048	0.048	0.006	0.022	0.799	27.517
rs147097143	ebi-a-GCST90027161	17	60238774	T/C	0.007	0.007	0.005	0.071	0.949	22.559
rs148436988	ebi-a-GCST90027161	8	59520745	T/C	0.009	0.009	0.004	0.059	0.947	21.919
rs1367117	ebi-a-GCST90027161	2	21263900	A/G	0.310	0.310	0.004	0.011	0.741	77.100
rs190934192	ebi-a-GCST90027161	1	55334001	A/G	0.004	0.004	0.002	0.060	0.971	70.447
rs12757307	ebi-a-GCST90027161	1	93400349	A/G	0.108	0.108	0.002	0.017	0.901	20.359
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	62.271
rs73107473	ebi-a-GCST90027161	7	44577622	A/G	0.179	0.179	0.001	0.013	0.922	24.981
rs36091905	ebi-a-GCST90027161	22	39629373	A/G	0.014	0.014	0.001	0.052	0.988	20.525
rs6448772	ebi-a-GCST90027161	4	31410172	T/C	0.820	0.181	0.000	0.014	0.992	20.389
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	55.943
rs3005923	ebi-a-GCST90027161	1	56801542	A/G	0.014	0.014	-0.002	0.041	0.958	67.751
rs12981278	ebi-a-GCST90027161	19	31395973	C/T	0.011	0.011	-0.003	0.052	0.954	20.762
rs2965152	ebi-a-GCST90027161	19	45189000	A/G	0.438	0.438	-0.003	0.010	0.747	26.889
rs11102515	ebi-a-GCST90027161	1	109371874	T/G	0.249	0.249	-0.004	0.012	0.760	24.319
rs13403407	ebi-a-GCST90027161	2	20902273	T/C	0.384	0.384	-0.005	0.010	0.637	20.191
rs2495477	ebi-a-GCST90027161	1	55518467	G/A	0.414	0.414	-0.007	0.010	0.488	33.971
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	21.750
rs10841407	ebi-a-GCST90027161	12	20073426	T/C	0.339	0.339	-0.008	0.011	0.481	20.314

rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	87.466
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	42.858
rs11591147	ebi-a-GCST90027161	1	55505647	T/G	0.023	0.023	-0.012	0.033	0.712	176.103
rs12930036	ebi-a-GCST90027161	16	71992072	T/G	0.263	0.263	-0.013	0.011	0.261	23.503
rs2834153	ebi-a-GCST90027161	21	34588494	C/T	0.509	0.491	-0.014	0.010	0.169	21.382
rs148784768	ebi-a-GCST90027161	1	20186336	A/G	0.035	0.035	-0.015	0.025	0.554	21.065
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	156.551
rs76866386	ebi-a-GCST90027161	2	44075483	C/T	0.072	0.072	-0.016	0.019	0.404	47.536
rs112635299	ebi-a-GCST90027161	14	94838142	T/G	0.020	0.020	-0.020	0.037	0.591	33.059
rs12916	ebi-a-GCST90027161	5	74656539	C/T	0.424	0.424	-0.020	0.010	0.046	70.837
rs1733528	ebi-a-GCST90027161	3	71402252	G/A	0.322	0.322	-0.025	0.011	0.022	20.663
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	55.844
rs10829040	ebi-a-GCST90027161	10	18917047	T/C	0.355	0.355	-0.028	0.011	0.008	20.368
rs78583319	ebi-a-GCST90027161	12	97435159	G/A	0.092	0.092	-0.030	0.017	0.083	20.495
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	325.036
rs73190180	ebi-a-GCST90027161	12	106287009	C/A	0.037	0.037	-0.062	0.028	0.029	20.465

Total lipids in small VLDL || id:met-c-929

rs117186462	ebi-a-GCST90027161	19	20471321	A/G	0.015	0.015	0.046	0.039	0.234	21.385
rs193084249	ebi-a-GCST90027161	1	26987646	G/A	0.030	0.030	0.046	0.028	0.095	23.026
rs12641940	ebi-a-GCST90027161	4	185241532	G/A	0.022	0.022	0.045	0.032	0.162	22.323
rs77810663	ebi-a-GCST90027161	4	167289297	C/A	0.049	0.049	0.027	0.023	0.239	21.434
rs7247905	ebi-a-GCST90027161	19	11235337	A/G	0.026	0.026	0.022	0.034	0.514	22.108
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	24.468
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	58.338
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	92.623
rs632557	ebi-a-GCST90027161	1	230398102	G/A	0.937	0.063	0.017	0.020	0.411	21.786
rs6906002	ebi-a-GCST90027161	6	99555919	G/A	0.061	0.061	0.017	0.021	0.434	20.501
rs11607673	ebi-a-GCST90027161	11	58953420	T/C	0.484	0.484	0.013	0.010	0.223	23.762
rs79116552	ebi-a-GCST90027161	2	237744637	A/G	0.059	0.059	0.012	0.023	0.584	23.133
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	29.217
rs536141	ebi-a-GCST90027161	11	117104536	A/C	0.441	0.441	0.009	0.010	0.396	21.861
rs11039167	ebi-a-GCST90027161	11	47319212	T/C	0.351	0.351	0.008	0.011	0.435	24.008
rs1042034	ebi-a-GCST90027161	2	21225281	T/C	0.770	0.230	0.007	0.012	0.556	92.578

rs13261077	ebi-a-GCST90027161	8	105832704	C/T	0.286	0.286	0.007	0.011	0.545	21.574
rs59090605	ebi-a-GCST90027161	2	128600390	A/G	0.105	0.105	0.007	0.017	0.685	24.223
rs147097143	ebi-a-GCST90027161	17	60238774	T/C	0.007	0.007	0.005	0.071	0.949	21.896
rs10861970	ebi-a-GCST90027161	12	109221013	A/C	0.313	0.313	0.003	0.011	0.795	21.464
rs216570	ebi-a-GCST90027161	18	54048379	G/A	0.687	0.313	0.003	0.011	0.812	24.221
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	29.761
rs67702903	ebi-a-GCST90027161	15	26025212	T/C	0.295	0.295	0.000	0.011	0.980	20.097
rs4143117	ebi-a-GCST90027161	2	20929124	C/T	0.299	0.299	-0.001	0.011	0.943	21.752
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	54.499
rs2014522	ebi-a-GCST90027161	19	23236561	A/G	0.189	0.189	-0.002	0.013	0.869	20.323
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	48.842
rs28483956	ebi-a-GCST90027161	8	59405459	A/G	0.064	0.064	-0.007	0.020	0.741	24.989
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	76.540
rs4563214	ebi-a-GCST90027161	2	221276033	T/C	0.086	0.086	-0.008	0.018	0.651	22.102
rs7605009	ebi-a-GCST90027161	2	21540399	A/G	0.094	0.094	-0.012	0.018	0.502	21.472
rs73214679	ebi-a-GCST90027161	8	19510168	C/T	0.345	0.345	-0.015	0.011	0.156	27.849
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	65.515
rs72660594	ebi-a-GCST90027161	1	55636240	C/T	0.023	0.023	-0.018	0.031	0.548	50.820
rs2737637	ebi-a-GCST90027161	1	200172292	C/T	0.946	0.054	-0.020	0.025	0.407	21.719
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	102.134
rs2878419	ebi-a-GCST90027161	5	74640490	T/C	0.401	0.401	-0.023	0.010	0.023	45.326
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	32.304
rs187607506	ebi-a-GCST90027161	1	55491915	T/C	0.205	0.205	-0.026	0.016	0.117	24.238
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	23.344
rs78016572	ebi-a-GCST90027161	22	28105632	A/C	0.025	0.025	-0.057	0.031	0.065	20.227

Total lipids in very large HDL || id:met-c-945

rs76804362	ebi-a-GCST90027161	2	165333750	G/A	0.016	0.016	0.063	0.040	0.112	20.465
rs174529	ebi-a-GCST90027161	11	61543961	C/T	0.388	0.388	0.032	0.010	0.002	79.634
rs6073958	ebi-a-GCST90027161	20	44551855	C/T	0.196	0.196	0.031	0.013	0.015	147.168
rs1077835	ebi-a-GCST90027161	15	58723426	G/A	0.236	0.236	0.013	0.012	0.278	314.471
rs4939941	ebi-a-GCST90027161	18	47639553	A/G	0.031	0.031	0.012	0.028	0.672	20.146
rs2044333	ebi-a-GCST90027161	15	58646656	A/G	0.493	0.493	0.010	0.010	0.305	21.956
rs4149307	ebi-a-GCST90027161	9	107589744	T/C	0.135	0.135	0.007	0.015	0.635	35.589

rs10026644	ebi-a-GCST90027161	4	81801291	A/G	0.077	0.077	0.005	0.019	0.781	20.773
rs3741521	ebi-a-GCST90027161	12	125264293	A/G	0.638	0.362	0.005	0.011	0.670	31.314
rs11633043	ebi-a-GCST90027161	15	58837722	A/G	0.151	0.151	0.004	0.014	0.754	66.265
rs2575876	ebi-a-GCST90027161	9	107665739	A/G	0.221	0.221	0.003	0.013	0.844	58.670
rs73302914	ebi-a-GCST90027161	20	56227673	A/G	0.025	0.025	0.001	0.036	0.990	19.956
rs7588023	ebi-a-GCST90027161	2	43150923	C/T	0.213	0.213	-0.002	0.016	0.884	21.809
rs7172127	ebi-a-GCST90027161	15	102061971	C/A	0.603	0.398	-0.003	0.010	0.770	23.419
rs76675389	ebi-a-GCST90027161	4	61948814	T/G	0.040	0.040	-0.006	0.029	0.833	20.029
rs75793545	ebi-a-GCST90027161	16	69524241	A/G	0.031	0.031	-0.006	0.026	0.809	21.532
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	333.511
rs686030	ebi-a-GCST90027161	9	15304782	A/C	0.864	0.136	-0.014	0.015	0.339	31.695
rs4503368	ebi-a-GCST90027161	1	161190250	C/T	0.542	0.458	-0.015	0.010	0.135	39.020
rs3764261	ebi-a-GCST90027161	16	56993324	A/C	0.308	0.308	-0.022	0.011	0.052	186.282

total lipids in very large VLDL || id:met-c-94

rs12641940	ebi-a-GCST90027161	4	185241532	G/A	0.022	0.022	0.045	0.032	0.162	23.068
rs144768958	ebi-a-GCST90027161	7	156830850	C/A	0.025	0.025	0.032	0.040	0.417	22.692
rs11681293	ebi-a-GCST90027161	2	240443738	C/T	0.049	0.049	0.024	0.025	0.330	24.886
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	26.949
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	46.511
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	38.542
rs9495580	ebi-a-GCST90027161	6	140070792	A/C	0.121	0.121	0.016	0.019	0.390	20.672
rs9809229	ebi-a-GCST90027161	3	115849331	G/A	0.163	0.163	0.015	0.014	0.274	22.081
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	23.987
rs536141	ebi-a-GCST90027161	11	117104536	A/C	0.441	0.441	0.009	0.010	0.396	26.144
rs7957632	ebi-a-GCST90027161	12	93998321	C/T	0.280	0.280	0.001	0.011	0.939	20.015
rs629090	ebi-a-GCST90027161	13	21543678	A/G	0.359	0.359	0.001	0.011	0.963	20.556
rs10897610	ebi-a-GCST90027161	11	80127840	A/G	0.078	0.078	0.000	0.021	0.990	21.338
rs10786848	ebi-a-GCST90027161	10	106935209	G/A	0.417	0.417	-0.001	0.010	0.895	22.741
rs3801748	ebi-a-GCST90027161	7	81759508	G/A	0.376	0.376	-0.003	0.010	0.765	20.372
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	45.744
rs6982502	ebi-a-GCST90027161	8	126479362	T/C	0.543	0.457	-0.006	0.010	0.583	23.373
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	62.720
rs74229164	ebi-a-GCST90027161	1	22188762	T/C	0.225	0.225	-0.013	0.013	0.307	22.785

rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	20.370
rs118018092	ebi-a-GCST90027161	16	20725864	T/C	0.050	0.050	-0.017	0.027	0.532	20.295
rs62182413	ebi-a-GCST90027161	2	189979936	C/T	0.191	0.191	-0.019	0.017	0.254	21.075
rs79678142	ebi-a-GCST90027161	1	214694068	T/C	0.029	0.029	-0.019	0.035	0.582	20.419
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	25.518
rs483082	ebi-a-GCST90027161	19	45416178	T/G	0.235	0.235	-0.030	0.012	0.013	48.767
rs117048027	ebi-a-GCST90027161	11	39597471	C/T	0.025	0.025	-0.050	0.029	0.087	20.086

total lipids in very small VLDL || id:met-c-95

rs116341046	ebi-a-GCST90027161	3	193972976	C/T	0.013	0.013	0.057	0.044	0.197	21.876
rs12451744	ebi-a-GCST90027161	17	45441804	A/G	0.166	0.166	0.044	0.014	0.002	20.988
rs61986292	ebi-a-GCST90027161	14	82458984	G/A	0.056	0.056	0.043	0.021	0.044	20.125
rs4932142	ebi-a-GCST90027161	15	90326190	T/G	0.196	0.196	0.020	0.013	0.113	21.441
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	44.748
rs11607673	ebi-a-GCST90027161	11	58953420	T/C	0.484	0.484	0.013	0.010	0.223	23.099
rs12430011	ebi-a-GCST90027161	13	76505683	G/A	0.227	0.227	0.012	0.013	0.330	21.698
rs6944755	ebi-a-GCST90027161	7	3317999	A/G	0.335	0.335	0.012	0.011	0.274	20.374
rs952275	ebi-a-GCST90027161	2	21221399	G/T	0.485	0.485	0.012	0.010	0.244	107.686
rs7247433	ebi-a-GCST90027161	19	19795560	A/C	0.408	0.408	0.011	0.011	0.305	20.823
rs2044333	ebi-a-GCST90027161	15	58646656	A/G	0.493	0.493	0.010	0.010	0.305	35.197
rs116215493	ebi-a-GCST90027161	2	12787012	A/G	0.023	0.023	0.009	0.031	0.760	20.919
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	39.845
rs9442812	ebi-a-GCST90027161	6	73234827	C/T	0.134	0.134	0.009	0.015	0.565	20.788
rs6565131	ebi-a-GCST90027161	16	83173324	C/T	0.243	0.243	0.006	0.012	0.599	20.288
rs6859	ebi-a-GCST90027161	19	45382034	G/A	0.555	0.445	0.006	0.010	0.592	20.711
rs115993808	ebi-a-GCST90027161	2	23794857	A/G	0.014	0.014	0.004	0.044	0.932	23.796
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	37.277
rs2945535	ebi-a-GCST90027161	17	75036220	A/G	0.396	0.396	0.001	0.015	0.958	20.104
rs9541772	ebi-a-GCST90027161	13	35251941	G/A	0.374	0.374	-0.001	0.011	0.935	20.717
rs2980860	ebi-a-GCST90027161	8	126485337	G/A	0.478	0.478	-0.001	0.010	0.908	63.773
rs117957926	ebi-a-GCST90027161	4	146345178	C/A	0.023	0.023	-0.004	0.041	0.922	20.146
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	58.854
rs4971525	ebi-a-GCST90027161	2	20897345	C/T	0.384	0.384	-0.005	0.010	0.659	21.189
rs113531395	ebi-a-GCST90027161	17	4886829	T/C	0.012	0.012	-0.007	0.053	0.899	42.167

rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	138.963
rs629301	ebi-a-GCST90027161	1	109818306	T/G	0.779	0.221	-0.008	0.012	0.513	38.771
rs7845662	ebi-a-GCST90027161	8	144972454	C/T	0.555	0.445	-0.008	0.010	0.427	28.922
rs1349326	ebi-a-GCST90027161	11	10376420	A/G	0.846	0.154	-0.010	0.014	0.483	21.532
rs4665972	ebi-a-GCST90027161	2	27598097	C/T	0.614	0.387	-0.013	0.010	0.225	22.962
rs56398555	ebi-a-GCST90027161	18	74803624	A/G	0.093	0.093	-0.013	0.018	0.478	20.236
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	45.966
rs10283342	ebi-a-GCST90027161	8	94685144	A/C	0.047	0.047	-0.015	0.026	0.560	25.036
rs2072931	ebi-a-GCST90027161	1	25747399	T/G	0.551	0.449	-0.015	0.010	0.131	21.221
rs142130958	ebi-a-GCST90027161	19	11190652	A/G	0.107	0.107	-0.016	0.017	0.361	119.927
rs7251161	ebi-a-GCST90027161	19	45706865	A/G	0.289	0.289	-0.017	0.012	0.153	22.864
rs4465856	ebi-a-GCST90027161	21	32981750	T/C	0.189	0.189	-0.018	0.013	0.183	20.796
rs72660594	ebi-a-GCST90027161	1	55636240	C/T	0.023	0.023	-0.018	0.031	0.548	91.706
rs1318006	ebi-a-GCST90027161	2	21214152	G/A	0.462	0.462	-0.019	0.010	0.065	33.538
rs138452194	ebi-a-GCST90027161	2	43771270	T/C	0.022	0.022	-0.021	0.038	0.588	24.029
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	121.131
rs62204086	ebi-a-GCST90027161	2	211828144	A/G	0.017	0.017	-0.024	0.047	0.606	21.063
rs187607506	ebi-a-GCST90027161	1	55491915	T/C	0.205	0.205	-0.026	0.016	0.117	61.467
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	28.219
rs73221046	ebi-a-GCST90027161	4	31423582	A/G	0.015	0.015	-0.031	0.059	0.598	20.306
rs2259816	ebi-a-GCST90027161	12	121435587	T/G	0.350	0.350	-0.034	0.011	0.001	22.120
Total phosphoglycerides id:met-c-937										
rs183364761	ebi-a-GCST90027161	5	137305295	T/C	0.004	0.004	0.135	0.120	0.258	21.601
rs77451458	ebi-a-GCST90027161	18	46936305	A/G	0.077	0.077	0.019	0.018	0.277	31.312
rs12604814	ebi-a-GCST90027161	18	3383220	A/G	0.152	0.152	0.016	0.014	0.262	20.128
rs1077835	ebi-a-GCST90027161	15	58723426	G/A	0.236	0.236	0.013	0.012	0.278	159.167
rs3741298	ebi-a-GCST90027161	11	116657561	T/C	0.792	0.208	0.012	0.012	0.312	54.066
rs73084400	ebi-a-GCST90027161	3	53566677	T/C	0.030	0.030	0.012	0.033	0.706	20.236
rs1809699	ebi-a-GCST90027161	9	87705388	A/G	0.193	0.193	0.010	0.012	0.400	19.936
rs2044333	ebi-a-GCST90027161	15	58646656	A/G	0.493	0.493	0.010	0.010	0.305	26.177
rs56129415	ebi-a-GCST90027161	15	34275923	T/C	0.011	0.011	0.010	0.063	0.873	23.119
rs290772	ebi-a-GCST90027161	2	102126220	G/A	0.068	0.068	0.005	0.021	0.794	20.560
rs2387139	ebi-a-GCST90027161	1	247792305	A/G	0.418	0.418	0.005	0.011	0.637	23.324

rs11633043	ebi-a-GCST90027161	15	58837722	A/G	0.151	0.151	0.004	0.014	0.754	22.838
rs115534052	ebi-a-GCST90027161	4	75128036	G/A	0.031	0.031	0.001	0.027	0.969	20.694
rs820014	ebi-a-GCST90027161	2	174180969	T/C	0.783	0.217	0.000	0.013	0.989	21.997
rs1540037	ebi-a-GCST90027161	18	47182664	G/A	0.769	0.231	-0.002	0.012	0.877	25.493
rs9358816	ebi-a-GCST90027161	6	24988520	C/T	0.586	0.414	-0.003	0.010	0.781	28.408
rs75972160	ebi-a-GCST90027161	10	20347619	A/G	0.031	0.031	-0.004	0.030	0.894	21.783
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	44.482
rs61938802	ebi-a-GCST90027161	12	96504318	T/G	0.130	0.130	-0.006	0.015	0.700	20.605
rs71464431	ebi-a-GCST90027161	12	129623191	A/G	0.477	0.477	-0.007	0.010	0.527	23.017
rs2954021	ebi-a-GCST90027161	8	126482077	G/A	0.529	0.471	-0.007	0.010	0.520	23.565
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	115.358
rs1019541	ebi-a-GCST90027161	16	60567079	G/A	0.625	0.375	-0.008	0.011	0.451	20.431
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	34.022
rs11236028	ebi-a-GCST90027161	11	73875316	T/C	0.296	0.296	-0.008	0.011	0.458	22.180
rs724866	ebi-a-GCST90027161	5	73790186	G/A	0.600	0.400	-0.010	0.011	0.346	21.643
rs1929848	ebi-a-GCST90027161	6	35200350	T/G	0.884	0.116	-0.014	0.017	0.438	21.670
rs13331448	ebi-a-GCST90027161	16	19348138	T/G	0.100	0.100	-0.021	0.017	0.211	20.714
rs117048243	ebi-a-GCST90027161	18	75082292	A/G	0.039	0.039	-0.022	0.022	0.310	23.589
rs11652957	ebi-a-GCST90027161	17	45419139	G/A	0.199	0.199	-0.024	0.013	0.062	21.720
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	28.266
rs17414716	ebi-a-GCST90027161	1	55759138	G/A	0.015	0.015	-0.034	0.038	0.364	40.200
rs7412	ebi-a-GCST90027161	19	45412079	T/C	0.075	0.075	-0.058	0.019	0.002	28.063

Triglyceride levels

rs76895963	ebi-a-GCST90027161	12	4384844	G/T	0.024	0.024	0.067	0.034	0.052	349.244
rs74784300	ebi-a-GCST90027161	7	50764891	G/A	0.014	0.014	0.065	0.043	0.132	23.828
rs137967290	ebi-a-GCST90027161	9	107666614	A/G	0.019	0.019	0.064	0.039	0.096	33.772
rs76202632	ebi-a-GCST90027161	11	116422244	T/C	0.023	0.023	0.061	0.038	0.110	24.951
rs193228861	ebi-a-GCST90027161	19	42234033	C/A	0.013	0.013	0.061	0.042	0.147	20.618
rs263423	ebi-a-GCST90027161	10	8089033	A/G	0.187	0.187	0.059	0.014	0.000	32.735
rs187429064	ebi-a-GCST90027161	19	19380513	G/A	0.027	0.027	0.058	0.029	0.044	516.028
rs7187539	ebi-a-GCST90027161	16	11058757	T/G	0.135	0.135	0.058	0.015	0.000	21.512
rs1873446	ebi-a-GCST90027161	10	122891509	C/T	0.031	0.031	0.053	0.027	0.055	43.509
rs79395356	ebi-a-GCST90027161	12	57738600	G/T	0.199	0.199	0.052	0.017	0.002	236.216

rs4272	ebi-a-GCST90027161	7	92236829	G/A	0.216	0.216	0.050	0.012	0.000	29.936
rs151235402	ebi-a-GCST90027161	20	569164	T/C	0.016	0.016	0.046	0.041	0.265	74.813
rs253942	ebi-a-GCST90027161	5	131320462	T/C	0.087	0.087	0.040	0.017	0.016	76.675
rs12076249	ebi-a-GCST90027161	1	15270626	T/C	0.087	0.087	0.038	0.019	0.040	26.683
rs73029263	ebi-a-GCST90027161	6	164113762	G/A	0.113	0.113	0.037	0.017	0.027	85.956
rs11589479	ebi-a-GCST90027161	1	155033308	A/G	0.155	0.155	0.037	0.014	0.011	34.914
rs1801177	ebi-a-GCST90027161	8	19805708	A/G	0.011	0.011	0.036	0.064	0.570	908.780
rs62420613	ebi-a-GCST90027161	6	97763857	A/G	0.049	0.049	0.035	0.024	0.152	21.357
rs12486424	ebi-a-GCST90027161	3	66874481	C/A	0.315	0.315	0.035	0.011	0.001	60.909
rs2416797	ebi-a-GCST90027161	9	123480600	C/A	0.282	0.282	0.034	0.012	0.003	57.362
rs45600938	ebi-a-GCST90027161	7	150548335	A/G	0.034	0.034	0.033	0.026	0.194	25.865
rs76196987	ebi-a-GCST90027161	8	56557858	G/T	0.018	0.018	0.033	0.038	0.389	20.831
rs174528	ebi-a-GCST90027161	11	61543499	C/T	0.391	0.391	0.033	0.010	0.002	1156.278
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	2315.222
rs112201728	ebi-a-GCST90027161	6	160551486	T/C	0.071	0.071	0.032	0.019	0.087	242.657
rs2063724	ebi-a-GCST90027161	11	78133077	C/T	0.199	0.199	0.031	0.012	0.011	62.430
rs17407658	ebi-a-GCST90027161	2	145703652	A/G	0.478	0.478	0.031	0.010	0.002	27.827
rs62501771	ebi-a-GCST90027161	8	25926560	G/T	0.136	0.136	0.031	0.015	0.048	19.991
rs6073958	ebi-a-GCST90027161	20	44551855	C/T	0.196	0.196	0.031	0.013	0.015	817.022
rs2963431	ebi-a-GCST90027161	5	157970432	T/C	0.196	0.196	0.030	0.014	0.030	110.443
rs58432198	ebi-a-GCST90027161	1	51256091	T/C	0.094	0.094	0.029	0.019	0.128	81.595
rs71352241	ebi-a-GCST90027161	19	45443934	T/G	0.024	0.024	0.028	0.042	0.500	143.384
rs1024889	ebi-a-GCST90027161	3	70463330	G/A	0.308	0.308	0.027	0.011	0.016	25.444
rs9461755	ebi-a-GCST90027161	6	32441046	A/G	0.035	0.035	0.026	0.030	0.374	475.221
rs577721086	ebi-a-GCST90027161	6	127440047	C/T	0.055	0.055	0.026	0.022	0.231	281.894
rs2947793	ebi-a-GCST90027161	12	66199734	A/G	0.071	0.071	0.026	0.021	0.217	46.268
rs41272086	ebi-a-GCST90027161	6	161008646	A/G	0.113	0.113	0.026	0.015	0.095	289.291
rs2250526	ebi-a-GCST90027161	17	57951973	A/G	0.192	0.192	0.026	0.013	0.047	91.919
rs4870944	ebi-a-GCST90027161	8	126555268	T/C	0.014	0.014	0.025	0.043	0.558	35.432
rs9321765	ebi-a-GCST90027161	6	140595744	C/T	0.206	0.206	0.025	0.012	0.043	54.668
rs8065497	ebi-a-GCST90027161	17	17782649	A/G	0.453	0.453	0.025	0.010	0.016	54.977
rs12534129	ebi-a-GCST90027161	7	117018135	C/T	0.355	0.355	0.024	0.014	0.088	70.231
rs9604570	ebi-a-GCST90027161	13	114631940	G/A	0.150	0.150	0.024	0.016	0.117	154.497

rs62505345	ebi-a-GCST90027161	8	30530851	A/C	0.057	0.057	0.024	0.025	0.336	26.130
rs17884312	ebi-a-GCST90027161	19	4911796	T/C	0.180	0.180	0.023	0.013	0.075	67.714
rs6546096	ebi-a-GCST90027161	2	64906295	A/G	0.251	0.251	0.023	0.012	0.046	34.907
rs7590479	ebi-a-GCST90027161	2	101759938	C/T	0.359	0.359	0.023	0.011	0.026	23.911
rs7087162	ebi-a-GCST90027161	10	21675186	G/A	0.364	0.364	0.023	0.014	0.107	22.017
rs75850669	ebi-a-GCST90027161	1	226101907	G/A	0.056	0.056	0.023	0.021	0.264	23.892
rs9884390	ebi-a-GCST90027161	4	69373407	C/T	0.240	0.240	0.023	0.012	0.052	96.948
rs77070948	ebi-a-GCST90027161	16	30019821	A/G	0.048	0.048	0.023	0.029	0.433	28.571
rs11211582	ebi-a-GCST90027161	1	39361348	T/C	0.136	0.136	0.023	0.015	0.132	34.728
rs2971669	ebi-a-GCST90027161	7	44231778	T/C	0.179	0.179	0.023	0.014	0.110	39.682
rs35005436	ebi-a-GCST90027161	7	74134911	C/T	0.616	0.384	0.022	0.014	0.123	20.231
rs1037117	ebi-a-GCST90027161	15	102068658	A/G	0.264	0.264	0.022	0.011	0.053	77.641
rs7485656	ebi-a-GCST90027161	12	125315647	G/A	0.149	0.149	0.022	0.014	0.125	91.556
rs7451008	ebi-a-GCST90027161	6	20673880	C/T	0.291	0.291	0.022	0.011	0.047	59.070
rs7855203	ebi-a-GCST90027161	9	95557334	T/C	0.169	0.169	0.022	0.014	0.111	40.959
rs684773	ebi-a-GCST90027161	3	135956305	A/C	0.198	0.198	0.021	0.014	0.113	210.760
rs10494363	ebi-a-GCST90027161	1	149909495	A/G	0.066	0.066	0.021	0.022	0.353	106.793
rs4410790	ebi-a-GCST90027161	7	17284577	T/C	0.351	0.351	0.020	0.011	0.062	86.229
rs117794084	ebi-a-GCST90027161	11	116433496	T/G	0.013	0.013	0.020	0.051	0.693	452.459
rs1052169	ebi-a-GCST90027161	17	43189049	C/A	0.193	0.193	0.020	0.013	0.116	23.262
rs373687	ebi-a-GCST90027161	21	46558780	C/T	0.340	0.340	0.020	0.011	0.067	38.195
rs6070138	ebi-a-GCST90027161	20	56118558	C/A	0.506	0.494	0.020	0.014	0.175	108.414
rs71508062	ebi-a-GCST90027161	10	52633664	A/G	0.020	0.020	0.020	0.039	0.619	38.410
rs960230	ebi-a-GCST90027161	21	42622479	A/G	0.238	0.238	0.020	0.012	0.098	48.918
rs2269869	ebi-a-GCST90027161	19	19109545	G/A	0.253	0.253	0.019	0.012	0.099	78.450
rs10866657	ebi-a-GCST90027161	5	172180991	G/A	0.500	0.500	0.019	0.010	0.065	22.621
rs2569882	ebi-a-GCST90027161	6	1620147	C/T	0.407	0.407	0.019	0.011	0.073	23.190
rs35665085	ebi-a-GCST90027161	22	17625915	A/G	0.056	0.056	0.019	0.022	0.392	58.238
rs11615916	ebi-a-GCST90027161	12	62610860	G/A	0.114	0.114	0.019	0.017	0.260	21.195
rs13389219	ebi-a-GCST90027161	2	165528876	T/C	0.381	0.381	0.019	0.010	0.071	576.384
rs904323	ebi-a-GCST90027161	1	222790366	A/G	0.180	0.180	0.018	0.013	0.159	24.793
rs66534457	ebi-a-GCST90027161	2	66096467	T/C	0.167	0.167	0.018	0.014	0.200	22.040
rs7830852	ebi-a-GCST90027161	8	106415088	G/A	0.239	0.239	0.018	0.012	0.145	49.977

rs147525635	ebi-a-GCST90027161	15	43468698	G/A	0.435	0.435	0.017	0.010	0.091	65.167
rs4378243	ebi-a-GCST90027161	1	98395881	G/T	0.191	0.191	0.017	0.013	0.169	64.820
rs2167470	ebi-a-GCST90027161	3	1506235	T/C	0.117	0.117	0.017	0.016	0.270	20.158
rs145313944	ebi-a-GCST90027161	5	157110190	T/G	0.051	0.051	0.017	0.024	0.473	24.519
rs9401908	ebi-a-GCST90027161	6	127105492	G/A	0.454	0.454	0.017	0.010	0.095	138.084
rs10899283	ebi-a-GCST90027161	11	76505202	T/C	0.225	0.225	0.017	0.012	0.167	23.491
rs431420	ebi-a-GCST90027161	19	54792079	T/G	0.643	0.357	0.017	0.012	0.172	40.852
rs5011434	ebi-a-GCST90027161	7	12268717	T/C	0.383	0.383	0.017	0.011	0.116	45.035
rs849336	ebi-a-GCST90027161	7	28224053	A/G	0.344	0.344	0.017	0.011	0.121	51.040
rs12335766	ebi-a-GCST90027161	9	15277123	G/A	0.065	0.065	0.016	0.020	0.428	22.887
rs35769682	ebi-a-GCST90027161	9	2651340	G/A	0.187	0.187	0.016	0.013	0.230	36.676
rs62246314	ebi-a-GCST90027161	3	9504099	A/G	0.096	0.096	0.016	0.017	0.349	50.038
rs2228603	ebi-a-GCST90027161	19	19329924	T/C	0.074	0.074	0.015	0.019	0.433	1081.124
rs9817452	ebi-a-GCST90027161	3	156795414	T/G	0.365	0.365	0.015	0.011	0.154	156.851
rs4804414	ebi-a-GCST90027161	19	7223785	T/C	0.419	0.419	0.015	0.010	0.151	216.909
rs77065673	ebi-a-GCST90027161	4	38190457	T/C	0.131	0.131	0.015	0.015	0.334	23.569
rs686030	ebi-a-GCST90027161	9	15304782	C/A	0.136	0.136	0.014	0.015	0.339	72.948
rs12146566	ebi-a-GCST90027161	11	103871404	C/A	0.201	0.201	0.014	0.013	0.288	27.970
rs256374	ebi-a-GCST90027161	5	60500191	G/A	0.470	0.470	0.014	0.010	0.183	30.021
rs55830835	ebi-a-GCST90027161	10	63931242	A/G	0.103	0.103	0.014	0.016	0.411	59.292
rs73007266	ebi-a-GCST90027161	1	115021249	C/T	0.247	0.247	0.013	0.012	0.250	19.700
rs4694362	ebi-a-GCST90027161	4	71893864	C/T	0.419	0.419	0.013	0.011	0.215	37.478
rs7670286	ebi-a-GCST90027161	4	73862374	G/A	0.106	0.106	0.013	0.017	0.436	28.419
rs7459591	ebi-a-GCST90027161	8	89622646	G/A	0.284	0.284	0.013	0.011	0.242	21.854
rs9496567	ebi-a-GCST90027161	6	100602753	A/G	0.221	0.221	0.013	0.013	0.315	55.332
rs1126673	ebi-a-GCST90027161	4	100045616	C/T	0.307	0.307	0.013	0.011	0.238	91.365
rs1077835	ebi-a-GCST90027161	15	58723426	G/A	0.236	0.236	0.013	0.012	0.278	723.271
rs11878235	ebi-a-GCST90027161	19	7976698	G/A	0.414	0.414	0.013	0.011	0.227	123.807
rs8083730	ebi-a-GCST90027161	18	293519	A/G	0.092	0.092	0.013	0.017	0.465	56.088
rs197415	ebi-a-GCST90027161	1	112311593	T/C	0.421	0.421	0.012	0.010	0.225	33.959
rs12610691	ebi-a-GCST90027161	19	18398335	T/G	0.457	0.457	0.012	0.010	0.242	52.036
rs570456	ebi-a-GCST90027161	11	77823228	T/C	0.240	0.240	0.012	0.012	0.318	30.818
rs59122181	ebi-a-GCST90027161	3	141581847	C/T	0.138	0.138	0.012	0.015	0.417	19.757

rs62049031	ebi-a-GCST90027161	16	70472713	T/C	0.449	0.449	0.012	0.010	0.244	23.800
rs78058190	ebi-a-GCST90027161	2	219699999	A/G	0.035	0.035	0.012	0.022	0.581	467.908
rs12303671	ebi-a-GCST90027161	12	124492610	G/T	0.325	0.325	0.012	0.011	0.273	313.626
rs1537431	ebi-a-GCST90027161	9	111788228	C/T	0.427	0.427	0.012	0.010	0.244	27.918
rs56397607	ebi-a-GCST90027161	10	114042643	G/A	0.181	0.181	0.012	0.013	0.359	78.407
rs6051744	ebi-a-GCST90027161	20	384644	C/T	0.104	0.104	0.012	0.017	0.490	30.294
rs10215153	ebi-a-GCST90027161	7	116399131	A/G	0.302	0.302	0.012	0.011	0.296	65.090
rs1024137	ebi-a-GCST90027161	2	227095876	G/T	0.359	0.359	0.012	0.011	0.265	582.291
rs6998846	ebi-a-GCST90027161	8	9193341	G/A	0.241	0.241	0.012	0.012	0.308	31.940
rs111278137	ebi-a-GCST90027161	19	45215081	A/G	0.017	0.017	0.012	0.043	0.789	36.209
rs17767256	ebi-a-GCST90027161	17	28581043	G/T	0.336	0.336	0.011	0.011	0.290	54.142
rs13438464	ebi-a-GCST90027161	7	106591092	G/T	0.204	0.204	0.011	0.013	0.374	25.659
rs7816345	ebi-a-GCST90027161	8	36846109	T/C	0.169	0.169	0.011	0.013	0.394	60.268
rs10775406	ebi-a-GCST90027161	17	46197755	A/G	0.252	0.252	0.011	0.012	0.337	90.722
rs4304000	ebi-a-GCST90027161	4	122750695	G/A	0.048	0.048	0.011	0.025	0.654	20.586
rs60237998	ebi-a-GCST90027161	3	45965954	C/T	0.200	0.200	0.011	0.013	0.396	26.441
rs76306670	ebi-a-GCST90027161	2	26970769	T/C	0.036	0.036	0.011	0.027	0.686	67.358
rs60015854	ebi-a-GCST90027161	7	150513857	T/C	0.125	0.125	0.011	0.015	0.466	51.023
rs79639690	ebi-a-GCST90027161	2	227605895	C/T	0.037	0.037	0.011	0.029	0.710	50.802
rs17090606	ebi-a-GCST90027161	4	177930253	G/A	0.195	0.195	0.011	0.014	0.430	22.201
rs62033400	ebi-a-GCST90027161	16	53811788	G/A	0.405	0.405	0.011	0.010	0.305	125.569
rs624698	ebi-a-GCST90027161	1	62900811	G/A	0.376	0.376	0.010	0.011	0.329	1584.470
rs11620989	ebi-a-GCST90027161	14	69746345	A/G	0.387	0.387	0.010	0.011	0.331	27.095
rs74757516	ebi-a-GCST90027161	12	94805921	T/C	0.037	0.037	0.010	0.026	0.699	21.003
rs12627420	ebi-a-GCST90027161	21	16843159	G/A	0.137	0.137	0.010	0.019	0.594	26.221
rs1519480	ebi-a-GCST90027161	11	27675712	C/T	0.327	0.327	0.010	0.011	0.354	102.974
rs79760705	ebi-a-GCST90027161	5	53298716	T/G	0.116	0.116	0.010	0.016	0.527	140.261
rs139260949	ebi-a-GCST90027161	17	63978436	C/T	0.062	0.062	0.010	0.021	0.636	59.598
rs4660690	ebi-a-GCST90027161	1	39819503	A/G	0.206	0.206	0.010	0.013	0.442	152.729
rs11240358	ebi-a-GCST90027161	1	205070573	A/G	0.385	0.385	0.010	0.010	0.356	90.520
rs12962548	ebi-a-GCST90027161	18	42599167	A/G	0.322	0.322	0.009	0.011	0.383	44.587
rs3974807	ebi-a-GCST90027161	11	49161967	T/C	0.172	0.172	0.009	0.014	0.509	67.965
rs2150090	ebi-a-GCST90027161	9	16734191	A/G	0.280	0.280	0.009	0.011	0.415	29.358

rs2625387	ebi-a-GCST90027161	11	43613426	G/A	0.370	0.370	0.009	0.011	0.398	31.577
rs61993685	ebi-a-GCST90027161	14	100765823	C/T	0.077	0.077	0.009	0.020	0.644	52.288
rs6948683	ebi-a-GCST90027161	7	29337609	A/G	0.279	0.279	0.009	0.012	0.432	26.219
rs7007256	ebi-a-GCST90027161	8	26203081	G/A	0.262	0.262	0.009	0.012	0.443	46.273
rs4253766	ebi-a-GCST90027161	22	46623905	T/C	0.101	0.101	0.009	0.017	0.603	103.452
rs2648770	ebi-a-GCST90027161	1	199109251	G/T	0.477	0.477	0.009	0.010	0.391	23.460
rs4909945	ebi-a-GCST90027161	11	10673739	T/C	0.322	0.322	0.009	0.011	0.415	84.533
rs148987715	ebi-a-GCST90027161	9	91866141	T/C	0.014	0.014	0.008	0.046	0.855	19.628
rs17713879	ebi-a-GCST90027161	2	254215	A/G	0.374	0.374	0.008	0.010	0.421	61.350
rs2857640	ebi-a-GCST90027161	22	30056945	A/G	0.440	0.440	0.008	0.010	0.413	49.532
rs888762	ebi-a-GCST90027161	5	178547313	C/A	0.329	0.329	0.008	0.011	0.439	25.731
rs2370982	ebi-a-GCST90027161	14	79890677	T/C	0.226	0.226	0.008	0.012	0.493	31.229
rs3758669	ebi-a-GCST90027161	11	47272579	G/A	0.338	0.338	0.008	0.011	0.437	238.484
rs6605083	ebi-a-GCST90027161	1	2147162	C/T	0.222	0.222	0.008	0.013	0.515	52.132
rs11264165	ebi-a-GCST90027161	1	35970441	T/G	0.030	0.030	0.008	0.027	0.770	20.628
rs191288582	ebi-a-GCST90027161	8	126747164	T/C	0.031	0.031	0.008	0.026	0.768	47.383
rs646776	ebi-a-GCST90027161	1	109818530	C/T	0.221	0.221	0.008	0.012	0.526	48.018
rs10765572	ebi-a-GCST90027161	11	92681234	C/T	0.308	0.308	0.008	0.011	0.484	37.687
rs1532085	ebi-a-GCST90027161	15	58683366	A/G	0.391	0.391	0.008	0.010	0.467	425.831
rs11113118	ebi-a-GCST90027161	12	107199142	A/G	0.223	0.223	0.008	0.013	0.549	106.040
rs12320328	ebi-a-GCST90027161	12	25408464	G/A	0.112	0.112	0.008	0.015	0.621	50.669
rs2095646	ebi-a-GCST90027161	13	74148368	T/C	0.461	0.461	0.008	0.010	0.459	29.208
rs12705610	ebi-a-GCST90027161	7	109161891	C/T	0.369	0.369	0.007	0.010	0.473	20.383
rs34931250	ebi-a-GCST90027161	17	66879927	T/C	0.060	0.060	0.007	0.022	0.739	61.293
rs6602909	ebi-a-GCST90027161	13	114551993	C/T	0.333	0.333	0.007	0.011	0.498	312.962
rs1109344	ebi-a-GCST90027161	11	131483597	G/A	0.479	0.479	0.007	0.010	0.498	20.756
rs4668586	ebi-a-GCST90027161	2	8787974	A/C	0.416	0.416	0.007	0.010	0.519	23.433
rs6738418	ebi-a-GCST90027161	2	114121700	T/C	0.164	0.164	0.007	0.014	0.624	26.092
rs10054327	ebi-a-GCST90027161	5	147871137	A/G	0.407	0.407	0.007	0.010	0.520	29.489
rs2925979	ebi-a-GCST90027161	16	81534790	T/C	0.304	0.304	0.007	0.011	0.555	297.824
rs4911382	ebi-a-GCST90027161	20	32553095	C/T	0.394	0.394	0.007	0.011	0.533	57.723
rs11628293	ebi-a-GCST90027161	14	69037320	G/A	0.260	0.260	0.006	0.012	0.598	22.473
rs1567518	ebi-a-GCST90027161	19	57480893	A/G	0.486	0.486	0.006	0.010	0.543	46.969

rs67151298	ebi-a-GCST90027161	15	70772414	T/C	0.207	0.207	0.006	0.014	0.651	20.728
rs62543565	ebi-a-GCST90027161	9	16901067	C/A	0.391	0.391	0.006	0.010	0.562	122.614
rs28756733	ebi-a-GCST90027161	21	40458722	G/A	0.306	0.306	0.006	0.011	0.602	32.460
rs34744311	ebi-a-GCST90027161	10	94467287	T/C	0.379	0.379	0.006	0.010	0.569	50.330
rs62078746	ebi-a-GCST90027161	17	80053590	G/A	0.446	0.446	0.006	0.010	0.570	57.100
rs1689059	ebi-a-GCST90027161	21	17591602	G/A	0.430	0.430	0.006	0.010	0.568	24.259
rs13108218	ebi-a-GCST90027161	4	3443931	A/G	0.361	0.361	0.006	0.011	0.594	391.028
rs13118477	ebi-a-GCST90027161	4	89704367	A/G	0.426	0.426	0.006	0.010	0.575	52.996
rs3820897	ebi-a-GCST90027161	2	3642361	T/C	0.243	0.243	0.006	0.012	0.625	85.583
rs176694	ebi-a-GCST90027161	9	136164593	G/T	0.107	0.107	0.006	0.016	0.724	27.575
rs6448429	ebi-a-GCST90027161	4	26066863	T/C	0.154	0.154	0.006	0.015	0.698	136.224
rs67611724	ebi-a-GCST90027161	20	32308275	T/C	0.159	0.159	0.006	0.014	0.685	63.640
rs12743493	ebi-a-GCST90027161	1	2224836	A/G	0.388	0.388	0.006	0.010	0.596	30.531
rs13066793	ebi-a-GCST90027161	3	87037543	G/A	0.089	0.089	0.006	0.018	0.759	52.206
rs1829568	ebi-a-GCST90027161	12	81363885	G/T	0.298	0.298	0.006	0.011	0.614	29.528
rs62130519	ebi-a-GCST90027161	2	26564119	T/C	0.056	0.056	0.006	0.023	0.809	34.031
rs2298058	ebi-a-GCST90027161	13	95248566	T/C	0.330	0.330	0.005	0.011	0.612	153.883
rs4851972	ebi-a-GCST90027161	2	240248919	A/G	0.159	0.159	0.005	0.014	0.709	23.764
rs1105611	ebi-a-GCST90027161	16	85158041	G/T	0.422	0.422	0.005	0.011	0.617	33.328
rs235861	ebi-a-GCST90027161	1	171599227	G/A	0.295	0.295	0.005	0.011	0.637	40.929
rs61830291	ebi-a-GCST90027161	1	221001142	C/A	0.106	0.106	0.005	0.016	0.748	83.339
rs35949016	ebi-a-GCST90027161	14	66136163	A/C	0.186	0.186	0.005	0.013	0.694	25.354
rs4812439	ebi-a-GCST90027161	20	39147287	G/A	0.323	0.323	0.005	0.011	0.648	102.618
rs4918784	ebi-a-GCST90027161	10	114643471	A/G	0.261	0.261	0.005	0.012	0.670	30.191
rs12347784	ebi-a-GCST90027161	9	107689289	G/T	0.092	0.092	0.005	0.018	0.779	34.035
rs745578	ebi-a-GCST90027161	8	72466324	A/G	0.228	0.228	0.005	0.012	0.690	111.397
rs114605978	ebi-a-GCST90027161	5	41166357	C/A	0.028	0.028	0.005	0.032	0.881	22.832
rs12600110	ebi-a-GCST90027161	16	962154	C/T	0.371	0.371	0.005	0.010	0.644	109.587
rs2024145	ebi-a-GCST90027161	1	243150965	T/C	0.328	0.328	0.005	0.011	0.649	23.483
rs998584	ebi-a-GCST90027161	6	43757896	A/C	0.483	0.483	0.005	0.010	0.634	654.410
rs5394	ebi-a-GCST90027161	3	170744893	A/G	0.094	0.094	0.005	0.018	0.786	90.421
rs75479205	ebi-a-GCST90027161	6	7255610	G/A	0.211	0.211	0.005	0.012	0.695	41.329
rs1602565	ebi-a-GCST90027161	11	29162136	C/T	0.105	0.105	0.005	0.017	0.783	20.848

rs7708715	ebi-a-GCST90027161	5	87712519	A/C	0.462	0.462	0.005	0.010	0.650	35.528
rs78896696	ebi-a-GCST90027161	20	10616382	T/G	0.073	0.073	0.005	0.019	0.814	35.930
rs4149056	ebi-a-GCST90027161	12	21331549	C/T	0.179	0.179	0.005	0.013	0.717	210.059
rs71603401	ebi-a-GCST90027161	4	18034463	G/A	0.112	0.112	0.004	0.017	0.795	104.261
rs117962372	ebi-a-GCST90027161	12	49216201	A/G	0.022	0.022	0.004	0.042	0.920	20.484
rs12939002	ebi-a-GCST90027161	17	1965096	C/T	0.251	0.251	0.004	0.012	0.715	29.294
rs3795598	ebi-a-GCST90027161	1	202197161	T/C	0.412	0.412	0.004	0.010	0.676	38.358
rs520326	ebi-a-GCST90027161	11	116315660	G/T	0.374	0.374	0.004	0.011	0.684	37.411
rs72616903	ebi-a-GCST90027161	2	43743012	C/T	0.179	0.179	0.004	0.013	0.743	61.659
rs13081	ebi-a-GCST90027161	18	13651137	T/C	0.316	0.316	0.004	0.011	0.709	37.348
rs1043897	ebi-a-GCST90027161	1	230416399	T/G	0.389	0.389	0.004	0.011	0.705	110.372
rs2526886	ebi-a-GCST90027161	14	71359064	G/T	0.305	0.305	0.004	0.011	0.719	32.011
rs7159513	ebi-a-GCST90027161	14	29856951	A/G	0.178	0.178	0.004	0.014	0.767	34.258
rs7123390	ebi-a-GCST90027161	11	45891418	A/G	0.280	0.280	0.004	0.011	0.729	31.162
rs10251553	ebi-a-GCST90027161	7	41762017	C/T	0.425	0.425	0.004	0.011	0.716	22.303
rs12454507	ebi-a-GCST90027161	18	77825981	G/A	0.266	0.266	0.004	0.012	0.744	26.591
rs12772930	ebi-a-GCST90027161	10	120493295	A/G	0.355	0.355	0.004	0.011	0.724	51.647
rs4822458	ebi-a-GCST90027161	22	24265659	C/T	0.424	0.424	0.004	0.010	0.725	61.999
rs11656743	ebi-a-GCST90027161	17	65980289	G/A	0.220	0.220	0.004	0.012	0.765	209.319
rs74963256	ebi-a-GCST90027161	20	51588847	C/T	0.105	0.105	0.004	0.016	0.822	34.415
rs2081687	ebi-a-GCST90027161	8	59388565	T/C	0.363	0.363	0.003	0.010	0.747	259.947
rs2110690	ebi-a-GCST90027161	2	202185132	G/A	0.503	0.497	0.003	0.010	0.754	43.173
rs4820325	ebi-a-GCST90027161	22	38599978	G/A	0.409	0.409	0.003	0.010	0.766	222.672
rs10495702	ebi-a-GCST90027161	2	20350751	G/A	0.423	0.423	0.003	0.010	0.769	65.066
rs3737136	ebi-a-GCST90027161	1	113060432	G/A	0.216	0.216	0.003	0.012	0.811	31.332
rs9912287	ebi-a-GCST90027161	17	1630992	A/G	0.219	0.219	0.003	0.012	0.807	81.289
rs16909233	ebi-a-GCST90027161	8	82401680	A/G	0.157	0.157	0.003	0.014	0.833	41.943
rs11029441	ebi-a-GCST90027161	11	26279145	C/T	0.073	0.073	0.003	0.021	0.890	49.324
rs148566631	ebi-a-GCST90027161	2	203447875	A/G	0.122	0.122	0.003	0.015	0.866	69.214
rs74328314	ebi-a-GCST90027161	1	61670759	G/A	0.074	0.074	0.003	0.020	0.895	64.314
rs11690369	ebi-a-GCST90027161	2	50691461	T/C	0.431	0.431	0.003	0.010	0.804	25.892
rs1998029	ebi-a-GCST90027161	20	54378111	T/C	0.476	0.476	0.002	0.010	0.821	21.044
rs832540	ebi-a-GCST90027161	5	56199202	G/A	0.353	0.353	0.002	0.011	0.826	67.000

rs903096	ebi-a-GCST90027161	11	129308359	A/G	0.367	0.367	0.002	0.011	0.828	25.137
rs4835049	ebi-a-GCST90027161	4	147679906	T/C	0.372	0.372	0.002	0.011	0.860	26.398
rs12902785	ebi-a-GCST90027161	15	66928241	C/T	0.341	0.341	0.002	0.011	0.869	38.692
rs1808629	ebi-a-GCST90027161	8	73435964	G/A	0.308	0.308	0.002	0.011	0.868	21.540
rs898813	ebi-a-GCST90027161	3	194417029	C/T	0.347	0.347	0.002	0.011	0.873	19.860
rs6792725	ebi-a-GCST90027161	3	24520283	A/G	0.361	0.361	0.002	0.011	0.876	106.444
rs17055001	ebi-a-GCST90027161	9	92195246	A/G	0.313	0.313	0.002	0.011	0.879	60.702
rs12878001	ebi-a-GCST90027161	14	64239629	G/T	0.149	0.149	0.002	0.015	0.919	123.003
rs35729812	ebi-a-GCST90027161	6	106376376	G/A	0.514	0.486	0.002	0.010	0.883	39.745
rs66905828	ebi-a-GCST90027161	7	104576670	C/A	0.290	0.290	0.002	0.011	0.896	38.510
rs7651039	ebi-a-GCST90027161	3	15648004	T/C	0.489	0.489	0.002	0.010	0.879	27.721
rs7645905	ebi-a-GCST90027161	3	4758244	G/T	0.458	0.458	0.001	0.010	0.888	70.035
rs9672516	ebi-a-GCST90027161	15	99176553	C/T	0.257	0.257	0.001	0.012	0.902	28.068
rs12891399	ebi-a-GCST90027161	14	104293533	C/T	0.361	0.361	0.001	0.010	0.903	59.760
rs2934	ebi-a-GCST90027161	8	19692026	C/A	0.461	0.461	0.001	0.010	0.906	148.936
rs57541850	ebi-a-GCST90027161	12	124605682	T/C	0.398	0.398	0.001	0.010	0.910	86.657
rs10405944	ebi-a-GCST90027161	19	33728001	C/T	0.460	0.460	0.001	0.010	0.912	46.063
rs72913721	ebi-a-GCST90027161	2	193859247	G/A	0.231	0.231	0.001	0.012	0.931	29.870
rs1475046	ebi-a-GCST90027161	6	79461801	G/A	0.470	0.470	0.001	0.010	0.944	21.473
rs2756117	ebi-a-GCST90027161	6	153066908	A/G	0.123	0.123	0.001	0.016	0.966	27.873
rs2782411	ebi-a-GCST90027161	1	183476929	A/G	0.365	0.365	0.001	0.011	0.954	19.524
rs7157054	ebi-a-GCST90027161	14	35785129	A/G	0.437	0.437	0.001	0.010	0.950	21.977
rs1469620	ebi-a-GCST90027161	7	7198994	G/A	0.427	0.427	0.001	0.010	0.958	26.018
rs9450316	ebi-a-GCST90027161	6	86408836	T/C	0.407	0.407	0.000	0.010	0.974	57.630
rs254710	ebi-a-GCST90027161	5	134112475	T/C	0.142	0.142	0.000	0.014	0.986	40.527
rs9922686	ebi-a-GCST90027161	16	87981577	C/T	0.281	0.281	0.000	0.011	0.988	21.310
rs531328	ebi-a-GCST90027161	2	169700838	A/C	0.360	0.360	0.000	0.011	0.995	38.262
rs6060446	ebi-a-GCST90027161	20	30231637	C/T	0.225	0.225	0.000	0.012	0.990	30.480
rs1151625	ebi-a-GCST90027161	20	62369997	T/C	0.075	0.075	0.000	0.020	0.998	45.779
rs12714145	ebi-a-GCST90027161	2	85787341	T/C	0.388	0.388	0.000	0.011	0.995	27.720
rs2385114	ebi-a-GCST90027161	8	126447308	T/C	0.493	0.493	0.000	0.010	0.994	1210.639
rs1260752	ebi-a-GCST90027161	6	109160802	T/C	0.186	0.186	0.000	0.013	0.973	58.618
rs2009170	ebi-a-GCST90027161	12	111703313	C/T	0.243	0.243	-0.001	0.012	0.965	64.165

rs2808062	ebi-a-GCST90027161	10	32054404	T/G	0.516	0.484	-0.001	0.010	0.960	20.868
rs760970	ebi-a-GCST90027161	1	25578944	A/G	0.120	0.120	-0.001	0.016	0.973	23.680
rs77775907	ebi-a-GCST90027161	2	31609942	A/G	0.032	0.032	-0.001	0.031	0.987	25.312
rs10835634	ebi-a-GCST90027161	11	30208486	C/A	0.366	0.366	-0.001	0.011	0.951	40.528
rs4683440	ebi-a-GCST90027161	3	142669479	A/G	0.433	0.433	-0.001	0.010	0.957	73.883
rs12524813	ebi-a-GCST90027161	6	66807132	A/G	0.282	0.282	-0.001	0.011	0.948	21.145
rs62478203	ebi-a-GCST90027161	7	98001484	G/A	0.459	0.459	-0.001	0.010	0.943	28.648
rs72679249	ebi-a-GCST90027161	4	111122162	G/A	0.308	0.308	-0.001	0.011	0.951	58.896
rs10925024	ebi-a-GCST90027161	1	247599025	T/C	0.162	0.162	-0.001	0.014	0.951	19.742
rs12928099	ebi-a-GCST90027161	16	15150505	A/C	0.278	0.278	-0.001	0.012	0.946	287.959
rs4019547	ebi-a-GCST90027161	12	94979538	A/G	0.397	0.397	-0.001	0.011	0.942	28.663
rs4676608	ebi-a-GCST90027161	3	39212907	T/C	0.311	0.311	-0.001	0.011	0.938	33.056
rs6882076	ebi-a-GCST90027161	5	156390297	T/C	0.357	0.357	-0.001	0.011	0.931	587.974
rs9789777	ebi-a-GCST90027161	2	86752647	T/C	0.490	0.490	-0.001	0.014	0.952	22.209
rs11123823	ebi-a-GCST90027161	2	100916315	G/A	0.486	0.486	-0.001	0.010	0.925	29.557
rs3109841	ebi-a-GCST90027161	4	26401987	G/T	0.328	0.328	-0.001	0.011	0.930	34.356
rs7696969	ebi-a-GCST90027161	4	143326714	T/G	0.334	0.334	-0.001	0.011	0.930	69.750
rs4352308	ebi-a-GCST90027161	22	29131788	C/T	0.274	0.274	-0.001	0.012	0.916	57.969
rs9924509	ebi-a-GCST90027161	16	67573296	C/T	0.094	0.094	-0.001	0.017	0.942	40.053
rs6777887	ebi-a-GCST90027161	3	57618003	A/G	0.183	0.183	-0.001	0.013	0.921	34.257
rs1861410	ebi-a-GCST90027161	2	58933591	C/T	0.418	0.418	-0.001	0.010	0.896	60.902
rs357418	ebi-a-GCST90027161	7	138033955	A/C	0.315	0.315	-0.001	0.011	0.898	24.107
rs17756248	ebi-a-GCST90027161	18	60816013	A/G	0.267	0.267	-0.002	0.011	0.885	23.876
rs3825430	ebi-a-GCST90027161	13	99129653	T/C	0.333	0.333	-0.002	0.011	0.885	32.418
rs7256564	ebi-a-GCST90027161	19	33889593	A/G	0.318	0.318	-0.002	0.011	0.882	98.724
rs9384779	ebi-a-GCST90027161	6	111324650	C/T	0.315	0.315	-0.002	0.011	0.879	25.154
rs10052346	ebi-a-GCST90027161	5	78472599	T/G	0.329	0.329	-0.002	0.014	0.898	61.973
rs11148753	ebi-a-GCST90027161	13	23946243	T/C	0.405	0.405	-0.002	0.010	0.864	35.562
rs149615831	ebi-a-GCST90027161	7	73073574	C/T	0.326	0.326	-0.002	0.011	0.872	230.023
rs213641	ebi-a-GCST90027161	1	26232356	C/A	0.423	0.423	-0.002	0.010	0.863	45.996
rs2418055	ebi-a-GCST90027161	12	22369320	G/A	0.255	0.255	-0.002	0.012	0.877	24.257
rs56078619	ebi-a-GCST90027161	16	85249184	G/A	0.192	0.192	-0.002	0.013	0.890	58.682
rs11079045	ebi-a-GCST90027161	17	40587669	G/A	0.417	0.417	-0.002	0.010	0.853	57.777

rs4955411	ebi-a-GCST90027161	3	49145304	A/G	0.346	0.346	-0.002	0.018	0.914	68.084
rs2175503	ebi-a-GCST90027161	10	23654196	C/T	0.436	0.436	-0.002	0.010	0.850	24.309
rs2279013	ebi-a-GCST90027161	11	117283091	C/T	0.311	0.311	-0.002	0.011	0.842	91.314
rs12355693	ebi-a-GCST90027161	10	33860096	C/T	0.340	0.340	-0.002	0.011	0.833	22.623
rs13107325	ebi-a-GCST90027161	4	103188709	T/C	0.049	0.049	-0.002	0.029	0.934	182.534
rs6415788	ebi-a-GCST90027161	9	4118111	G/T	0.371	0.371	-0.002	0.011	0.827	24.137
rs10152471	ebi-a-GCST90027161	15	101890913	A/G	0.401	0.401	-0.002	0.010	0.817	62.349
rs62251038	ebi-a-GCST90027161	3	69868660	G/A	0.423	0.423	-0.002	0.010	0.817	40.349
rs111723834	ebi-a-GCST90027161	14	24572932	A/G	0.013	0.013	-0.003	0.048	0.958	42.386
rs1870630	ebi-a-GCST90027161	18	41365083	T/G	0.488	0.488	-0.003	0.010	0.805	25.135
rs2484294	ebi-a-GCST90027161	10	115792062	G/A	0.257	0.257	-0.003	0.012	0.821	46.175
rs72815843	ebi-a-GCST90027161	10	61462114	A/G	0.181	0.181	-0.003	0.014	0.846	67.622
rs1340819	ebi-a-GCST90027161	13	29145323	C/A	0.326	0.326	-0.003	0.011	0.800	46.886
rs165529	ebi-a-GCST90027161	10	17305503	A/G	0.232	0.232	-0.003	0.012	0.817	37.750
rs79539880	ebi-a-GCST90027161	12	29141448	T/C	0.049	0.049	-0.003	0.024	0.908	24.237
rs10030238	ebi-a-GCST90027161	4	141808805	G/A	0.379	0.379	-0.003	0.011	0.785	43.363
rs11009319	ebi-a-GCST90027161	10	33537248	A/G	0.132	0.132	-0.003	0.015	0.846	43.909
rs1623060	ebi-a-GCST90027161	18	21143183	T/C	0.502	0.498	-0.003	0.010	0.773	112.361
rs4078170	ebi-a-GCST90027161	5	95454863	G/A	0.353	0.353	-0.003	0.010	0.770	24.716
rs35045014	ebi-a-GCST90027161	6	107432157	A/C	0.449	0.449	-0.003	0.010	0.765	88.906
rs145947882	ebi-a-GCST90027161	17	41809207	C/A	0.027	0.027	-0.003	0.032	0.919	1114.624
rs12454712	ebi-a-GCST90027161	18	60845884	C/T	0.419	0.419	-0.003	0.010	0.741	105.382
rs1883783	ebi-a-GCST90027161	1	54890956	T/G	0.397	0.397	-0.003	0.011	0.745	96.513
rs28568614	ebi-a-GCST90027161	19	18479019	A/G	0.437	0.437	-0.003	0.010	0.740	33.553
rs4671331	ebi-a-GCST90027161	2	59312675	T/C	0.395	0.395	-0.003	0.010	0.744	48.422
rs6499240	ebi-a-GCST90027161	16	69686912	A/G	0.422	0.422	-0.003	0.010	0.741	131.632
rs10008637	ebi-a-GCST90027161	4	77414144	C/T	0.467	0.467	-0.004	0.010	0.729	58.359
rs1263673	ebi-a-GCST90027161	2	208055947	A/G	0.425	0.425	-0.004	0.010	0.736	32.856
rs172305	ebi-a-GCST90027161	5	107316915	A/G	0.294	0.294	-0.004	0.011	0.761	38.525
rs289923	ebi-a-GCST90027161	2	152091088	A/G	0.509	0.491	-0.004	0.010	0.726	26.000
rs73193388	ebi-a-GCST90027161	4	3401678	T/C	0.122	0.122	-0.004	0.016	0.821	36.022
rs143076454	ebi-a-GCST90027161	16	921179	A/G	0.016	0.016	-0.004	0.043	0.934	61.529
rs1965024	ebi-a-GCST90027161	16	51173559	G/A	0.348	0.348	-0.004	0.011	0.733	27.154

rs7538833	ebi-a-GCST90027161	1	16504381	T/C	0.336	0.336	-0.004	0.011	0.740	61.845
rs7639752	ebi-a-GCST90027161	3	195973244	A/G	0.480	0.480	-0.004	0.010	0.721	40.413
rs144203988	ebi-a-GCST90027161	2	48989578	A/G	0.256	0.256	-0.004	0.012	0.747	33.782
rs2540034	ebi-a-GCST90027161	16	4022694	C/T	0.454	0.454	-0.004	0.010	0.713	23.412
rs2218439	ebi-a-GCST90027161	8	93202128	A/G	0.406	0.406	-0.004	0.010	0.706	21.633
rs298593	ebi-a-GCST90027161	5	17266108	A/C	0.198	0.198	-0.004	0.013	0.759	22.065
rs76636886	ebi-a-GCST90027161	12	133113747	A/G	0.137	0.137	-0.004	0.015	0.784	31.833
rs1133400	ebi-a-GCST90027161	10	134459388	G/A	0.197	0.197	-0.004	0.013	0.760	63.082
rs1571953	ebi-a-GCST90027161	9	35121795	C/T	0.220	0.220	-0.004	0.012	0.739	44.829
rs16867014	ebi-a-GCST90027161	2	180674147	C/T	0.321	0.321	-0.004	0.011	0.707	43.102
rs10255049	ebi-a-GCST90027161	7	56121304	G/A	0.278	0.278	-0.004	0.012	0.721	21.101
rs2021378	ebi-a-GCST90027161	2	230023668	A/G	0.381	0.381	-0.004	0.010	0.685	28.497
rs28577186	ebi-a-GCST90027161	16	4488191	G/A	0.343	0.343	-0.004	0.011	0.697	53.501
rs543928	ebi-a-GCST90027161	6	32285248	G/A	0.386	0.386	-0.004	0.011	0.686	45.464
rs72624839	ebi-a-GCST90027161	3	53997898	T/C	0.014	0.014	-0.004	0.057	0.938	21.670
rs7578057	ebi-a-GCST90027161	2	112718094	G/A	0.298	0.298	-0.004	0.011	0.682	23.302
rs1520929	ebi-a-GCST90027161	8	64700949	C/T	0.483	0.483	-0.005	0.010	0.657	34.114
rs11183212	ebi-a-GCST90027161	12	46213867	G/A	0.206	0.206	-0.005	0.013	0.715	83.090
rs9905032	ebi-a-GCST90027161	17	17457768	A/G	0.066	0.066	-0.005	0.020	0.818	103.221
rs12401322	ebi-a-GCST90027161	1	161194521	A/G	0.260	0.260	-0.005	0.012	0.683	28.575
rs2237884	ebi-a-GCST90027161	11	2799679	C/T	0.277	0.277	-0.005	0.011	0.680	31.788
rs672457	ebi-a-GCST90027161	6	139836562	G/A	0.435	0.435	-0.005	0.010	0.643	359.250
rs11694743	ebi-a-GCST90027161	2	127842607	G/A	0.406	0.406	-0.005	0.010	0.637	28.691
rs4852745	ebi-a-GCST90027161	2	71248254	A/G	0.307	0.307	-0.005	0.011	0.662	23.661
rs4838074	ebi-a-GCST90027161	9	126467202	T/C	0.335	0.335	-0.005	0.011	0.616	39.906
rs71372293	ebi-a-GCST90027161	17	18715701	G/A	0.138	0.138	-0.005	0.015	0.734	23.011
rs10076475	ebi-a-GCST90027161	5	156422231	G/A	0.426	0.426	-0.005	0.010	0.603	37.960
rs11651783	ebi-a-GCST90027161	17	7447910	T/C	0.238	0.238	-0.005	0.012	0.653	81.417
rs2378824	ebi-a-GCST90027161	1	184190015	C/T	0.411	0.411	-0.005	0.010	0.606	32.450
rs3824233	ebi-a-GCST90027161	8	142241238	T/C	0.383	0.383	-0.005	0.011	0.606	25.884
rs4142995	ebi-a-GCST90027161	7	17919258	T/G	0.365	0.365	-0.006	0.011	0.600	84.963
rs61780266	ebi-a-GCST90027161	1	101303226	G/A	0.164	0.164	-0.006	0.014	0.685	30.332
rs11691783	ebi-a-GCST90027161	2	213074862	T/G	0.322	0.322	-0.006	0.011	0.603	29.553

rs2007537	ebi-a-GCST90027161	12	504797	C/T	0.297	0.297	-0.006	0.011	0.607	38.227
rs6430090	ebi-a-GCST90027161	2	146347459	A/G	0.402	0.402	-0.006	0.010	0.579	55.195
rs7856817	ebi-a-GCST90027161	9	1054587	A/G	0.177	0.177	-0.006	0.013	0.668	62.587
rs12505942	ebi-a-GCST90027161	4	140906390	C/T	0.345	0.345	-0.006	0.011	0.587	32.176
rs180372	ebi-a-GCST90027161	11	116591934	A/G	0.422	0.422	-0.006	0.010	0.575	913.853
rs7866729	ebi-a-GCST90027161	9	107889881	C/A	0.037	0.037	-0.006	0.028	0.835	23.358
rs7684939	ebi-a-GCST90027161	4	55509189	A/G	0.486	0.486	-0.006	0.010	0.553	45.584
rs2042327	ebi-a-GCST90027161	5	127622983	C/T	0.374	0.374	-0.006	0.011	0.573	22.754
rs4675812	ebi-a-GCST90027161	2	242395674	G/A	0.401	0.401	-0.006	0.010	0.556	39.531
rs4792904	ebi-a-GCST90027161	17	41750873	C/T	0.040	0.040	-0.006	0.027	0.820	33.663
rs3103771	ebi-a-GCST90027161	1	40441727	G/T	0.291	0.291	-0.006	0.012	0.595	27.421
rs324768	ebi-a-GCST90027161	12	83969100	G/A	0.414	0.414	-0.006	0.010	0.536	28.656
rs36184164	ebi-a-GCST90027161	6	43781092	G/T	0.101	0.101	-0.007	0.019	0.726	50.123
rs4665378	ebi-a-GCST90027161	2	27548038	C/A	0.413	0.413	-0.007	0.010	0.527	1722.747
rs7832515	ebi-a-GCST90027161	8	144306379	G/A	0.206	0.206	-0.007	0.012	0.600	64.588
rs1057868	ebi-a-GCST90027161	7	75615006	T/C	0.326	0.326	-0.007	0.011	0.534	61.926
rs1198964	ebi-a-GCST90027161	5	141725231	T/C	0.363	0.363	-0.007	0.011	0.526	36.289
rs8134638	ebi-a-GCST90027161	21	40644170	C/T	0.436	0.436	-0.007	0.010	0.511	73.110
rs16844848	ebi-a-GCST90027161	2	161029592	G/A	0.215	0.215	-0.007	0.012	0.575	46.687
rs35000036	ebi-a-GCST90027161	3	123190731	T/C	0.386	0.386	-0.007	0.010	0.511	29.585
rs13062451	ebi-a-GCST90027161	3	171637122	G/A	0.204	0.204	-0.007	0.013	0.591	27.248
rs10971957	ebi-a-GCST90027161	9	34151463	C/T	0.403	0.403	-0.007	0.010	0.498	62.101
rs1884546	ebi-a-GCST90027161	14	94841824	T/C	0.126	0.126	-0.007	0.016	0.652	27.965
rs193220	ebi-a-GCST90027161	17	74268619	T/C	0.296	0.296	-0.007	0.011	0.522	62.697
rs310792	ebi-a-GCST90027161	12	77450413	C/T	0.276	0.276	-0.007	0.012	0.534	22.249
rs3780190	ebi-a-GCST90027161	9	139099073	A/G	0.494	0.494	-0.007	0.011	0.497	37.472
rs4076457	ebi-a-GCST90027161	15	78007213	T/C	0.236	0.236	-0.007	0.012	0.559	28.202
rs1420384	ebi-a-GCST90027161	2	171583876	G/T	0.328	0.328	-0.007	0.011	0.492	42.885
rs17052061	ebi-a-GCST90027161	3	52346240	G/T	0.147	0.147	-0.007	0.015	0.629	120.244
rs42132	ebi-a-GCST90027161	7	72809618	T/C	0.186	0.186	-0.007	0.014	0.581	1058.749
rs79387952	ebi-a-GCST90027161	2	201271456	T/C	0.102	0.102	-0.007	0.016	0.653	23.602
rs71606279	ebi-a-GCST90027161	4	124294744	A/G	0.028	0.028	-0.008	0.033	0.816	25.207
rs9316973	ebi-a-GCST90027161	13	58743985	T/C	0.481	0.481	-0.008	0.010	0.454	25.077

rs148754782	ebi-a-GCST90027161	8	19910576	A/G	0.030	0.030	-0.008	0.030	0.796	233.024
rs687914	ebi-a-GCST90027161	2	45878760	T/G	0.212	0.212	-0.008	0.013	0.562	37.511
rs855918	ebi-a-GCST90027161	7	149196533	A/G	0.412	0.412	-0.008	0.010	0.448	38.168
rs7764461	ebi-a-GCST90027161	6	22122568	C/T	0.426	0.426	-0.008	0.010	0.446	28.106
rs1109334	ebi-a-GCST90027161	16	89938144	G/A	0.427	0.427	-0.008	0.011	0.440	34.800
rs3205166	ebi-a-GCST90027161	9	32459450	G/T	0.350	0.350	-0.008	0.011	0.448	32.759
rs55982935	ebi-a-GCST90027161	12	14249457	C/T	0.288	0.288	-0.008	0.011	0.472	24.782
rs6595187	ebi-a-GCST90027161	5	118723609	G/A	0.303	0.303	-0.008	0.011	0.455	159.823
rs111500536	ebi-a-GCST90027161	19	8425558	A/G	0.050	0.050	-0.008	0.023	0.727	189.931
rs1400684	ebi-a-GCST90027161	2	72324948	A/G	0.329	0.329	-0.008	0.011	0.455	20.789
rs72767895	ebi-a-GCST90027161	16	695698	T/C	0.153	0.153	-0.008	0.014	0.570	21.570
rs4245791	ebi-a-GCST90027161	2	44074431	C/T	0.286	0.286	-0.008	0.012	0.467	45.684
rs7808446	ebi-a-GCST90027161	7	150214465	T/G	0.270	0.270	-0.008	0.011	0.461	99.884
rs79719909	ebi-a-GCST90027161	12	20474706	G/A	0.205	0.205	-0.008	0.013	0.508	130.895
rs12750321	ebi-a-GCST90027161	1	154251626	G/A	0.319	0.319	-0.009	0.011	0.435	95.043
rs72801474	ebi-a-GCST90027161	5	132444128	A/G	0.080	0.080	-0.009	0.020	0.666	159.488
rs17605615	ebi-a-GCST90027161	4	87996745	A/G	0.390	0.390	-0.009	0.010	0.401	374.608
rs7251733	ebi-a-GCST90027161	19	56099951	A/G	0.165	0.165	-0.009	0.014	0.513	125.507
rs6749911	ebi-a-GCST90027161	2	105962339	A/G	0.118	0.118	-0.009	0.016	0.561	34.415
rs17014203	ebi-a-GCST90027161	1	209435733	C/T	0.129	0.129	-0.010	0.015	0.515	32.013
rs10846664	ebi-a-GCST90027161	12	122823777	A/G	0.233	0.233	-0.010	0.012	0.429	25.605
rs12130989	ebi-a-GCST90027161	1	210327940	A/G	0.185	0.185	-0.010	0.013	0.443	25.508
rs2070434	ebi-a-GCST90027161	21	47961634	C/T	0.292	0.292	-0.010	0.011	0.387	20.984
rs3825669	ebi-a-GCST90027161	14	89804276	A/G	0.174	0.174	-0.010	0.014	0.479	49.922
rs709939	ebi-a-GCST90027161	14	55249345	C/T	0.482	0.482	-0.010	0.010	0.333	24.619
rs7951796	ebi-a-GCST90027161	11	69296607	A/G	0.392	0.392	-0.010	0.011	0.349	31.879
rs508049	ebi-a-GCST90027161	11	68675497	T/C	0.068	0.068	-0.010	0.019	0.596	57.717
rs10993074	ebi-a-GCST90027161	9	96923144	T/C	0.318	0.318	-0.010	0.011	0.353	36.568
rs2250781	ebi-a-GCST90027161	10	91007470	C/A	0.468	0.468	-0.010	0.010	0.304	29.079
rs9879078	ebi-a-GCST90027161	3	23052956	T/C	0.199	0.199	-0.010	0.017	0.530	22.832
rs2216289	ebi-a-GCST90027161	12	107672607	T/C	0.379	0.379	-0.011	0.010	0.309	21.198
rs4549742	ebi-a-GCST90027161	8	77337214	A/G	0.303	0.303	-0.011	0.011	0.333	22.159
rs12365829	ebi-a-GCST90027161	11	57238476	G/A	0.245	0.245	-0.011	0.012	0.346	37.184

rs72735627	ebi-a-GCST90027161	15	41057507	T/C	0.077	0.077	-0.011	0.021	0.605	66.539
rs513533	ebi-a-GCST90027161	11	116519358	G/A	0.132	0.132	-0.011	0.015	0.447	2535.812
rs4691378	ebi-a-GCST90027161	4	157704459	G/A	0.286	0.286	-0.012	0.011	0.308	93.018
rs6066138	ebi-a-GCST90027161	20	45594711	A/G	0.252	0.252	-0.012	0.012	0.338	124.158
rs7702542	ebi-a-GCST90027161	5	97500022	A/G	0.367	0.367	-0.012	0.011	0.270	23.794
rs9820178	ebi-a-GCST90027161	3	12511695	T/C	0.207	0.207	-0.012	0.013	0.351	62.097
rs2444771	ebi-a-GCST90027161	2	158526554	T/C	0.104	0.104	-0.012	0.018	0.506	22.869
rs6042088	ebi-a-GCST90027161	20	1394560	G/A	0.503	0.497	-0.012	0.010	0.248	23.496
rs79287178	ebi-a-GCST90027161	3	172294500	A/G	0.034	0.034	-0.012	0.028	0.670	203.712
rs10132440	ebi-a-GCST90027161	14	53770586	G/A	0.489	0.489	-0.012	0.010	0.235	37.024
rs149929516	ebi-a-GCST90027161	19	45270629	A/C	0.018	0.018	-0.012	0.048	0.801	22.986
rs6028718	ebi-a-GCST90027161	20	38548977	C/T	0.523	0.477	-0.012	0.010	0.229	33.531
rs11765031	ebi-a-GCST90027161	7	71323791	T/C	0.406	0.406	-0.012	0.010	0.237	42.807
rs192982975	ebi-a-GCST90027161	7	44316975	G/A	0.021	0.021	-0.012	0.032	0.703	20.714
rs2072732	ebi-a-GCST90027161	1	2980277	C/T	0.167	0.167	-0.012	0.015	0.393	21.381
rs2182784	ebi-a-GCST90027161	13	51133421	A/C	0.196	0.196	-0.013	0.013	0.343	54.403
rs354532	ebi-a-GCST90027161	6	111548813	C/T	0.465	0.465	-0.013	0.010	0.220	38.332
rs852424	ebi-a-GCST90027161	7	5567596	T/C	0.346	0.346	-0.013	0.011	0.237	43.409
rs28650790	ebi-a-GCST90027161	5	55861464	T/C	0.165	0.165	-0.013	0.014	0.363	465.804
rs10777619	ebi-a-GCST90027161	12	95182189	T/C	0.097	0.097	-0.013	0.018	0.453	23.755
rs6924805	ebi-a-GCST90027161	6	18747705	G/T	0.395	0.395	-0.013	0.011	0.200	51.681
rs17184382	ebi-a-GCST90027161	15	63792486	C/A	0.382	0.382	-0.014	0.011	0.205	199.624
rs11021305	ebi-a-GCST90027161	11	95498269	C/T	0.334	0.334	-0.014	0.011	0.213	33.399
rs2251307	ebi-a-GCST90027161	7	93207036	G/A	0.424	0.424	-0.014	0.010	0.178	20.509
rs11765347	ebi-a-GCST90027161	7	139120072	A/C	0.191	0.191	-0.014	0.013	0.294	32.060
rs2068888	ebi-a-GCST90027161	10	94839642	A/G	0.459	0.459	-0.014	0.010	0.165	447.133
rs34529371	ebi-a-GCST90027161	14	23750078	A/G	0.187	0.187	-0.015	0.014	0.273	30.016
rs12960928	ebi-a-GCST90027161	18	57897803	C/T	0.233	0.233	-0.015	0.012	0.226	70.234
rs2972502	ebi-a-GCST90027161	3	115486112	C/T	0.154	0.154	-0.015	0.014	0.262	22.205
rs2686189	ebi-a-GCST90027161	8	11655229	C/T	0.307	0.307	-0.015	0.011	0.175	127.463
rs4731702	ebi-a-GCST90027161	7	130433384	T/C	0.484	0.484	-0.015	0.010	0.130	332.666
rs6795831	ebi-a-GCST90027161	3	129341403	C/A	0.179	0.179	-0.015	0.014	0.267	40.781
rs7578604	ebi-a-GCST90027161	2	121308660	T/G	0.230	0.230	-0.015	0.012	0.212	102.267

rs752446	ebi-a-GCST90027161	8	10649767	A/G	0.344	0.344	-0.016	0.011	0.157	245.904
rs4727191	ebi-a-GCST90027161	7	76139384	T/C	0.443	0.443	-0.016	0.010	0.126	23.618
rs6749560	ebi-a-GCST90027161	2	212256192	T/C	0.248	0.248	-0.016	0.012	0.178	19.564
rs4843367	ebi-a-GCST90027161	16	86417890	T/C	0.327	0.327	-0.016	0.011	0.139	45.002
rs7654396	ebi-a-GCST90027161	4	38570708	A/G	0.460	0.460	-0.016	0.010	0.120	21.020
rs4647906	ebi-a-GCST90027161	8	38325411	A/G	0.403	0.403	-0.016	0.010	0.114	79.681
rs77558140	ebi-a-GCST90027161	2	5835047	C/T	0.023	0.023	-0.016	0.033	0.617	21.394
rs2328048	ebi-a-GCST90027161	20	16579228	G/A	0.192	0.192	-0.017	0.013	0.212	27.280
rs2723399	ebi-a-GCST90027161	7	13551701	G/A	0.472	0.472	-0.017	0.010	0.103	24.176
rs7164727	ebi-a-GCST90027161	15	73093991	C/T	0.327	0.327	-0.017	0.011	0.123	55.379
rs1406754	ebi-a-GCST90027161	7	26396198	T/G	0.401	0.401	-0.017	0.010	0.105	115.354
rs35537971	ebi-a-GCST90027161	11	551235	A/G	0.187	0.187	-0.017	0.013	0.205	23.391
rs10221473	ebi-a-GCST90027161	19	7236626	A/G	0.438	0.438	-0.017	0.010	0.094	27.843
rs150844304	ebi-a-GCST90027161	15	43726625	C/A	0.019	0.019	-0.017	0.037	0.640	961.870
rs4722551	ebi-a-GCST90027161	7	25991826	C/T	0.181	0.181	-0.017	0.013	0.172	229.495
rs78980904	ebi-a-GCST90027161	2	21121464	C/T	0.250	0.250	-0.018	0.012	0.123	1392.221
rs16948031	ebi-a-GCST90027161	16	49863504	A/G	0.171	0.171	-0.018	0.013	0.160	27.557
rs11216392	ebi-a-GCST90027161	11	117313174	T/C	0.090	0.090	-0.019	0.018	0.300	73.338
rs7142571	ebi-a-GCST90027161	14	90035606	A/C	0.412	0.412	-0.019	0.011	0.069	33.172
rs72859846	ebi-a-GCST90027161	11	15158109	G/A	0.044	0.044	-0.019	0.026	0.462	31.802
rs2271543	ebi-a-GCST90027161	2	219142491	T/C	0.371	0.371	-0.019	0.011	0.070	36.480
rs7924036	ebi-a-GCST90027161	10	65191645	G/T	0.487	0.487	-0.019	0.010	0.059	444.849
rs13295248	ebi-a-GCST90027161	9	139386640	C/T	0.273	0.273	-0.019	0.011	0.086	35.028
rs68144005	ebi-a-GCST90027161	4	28549655	G/A	0.204	0.204	-0.020	0.012	0.103	21.580
rs4976033	ebi-a-GCST90027161	5	67714246	G/A	0.412	0.412	-0.021	0.010	0.039	154.639
rs6025469	ebi-a-GCST90027161	20	55831213	C/T	0.352	0.352	-0.021	0.011	0.047	25.544
rs10472783	ebi-a-GCST90027161	5	31798110	A/G	0.203	0.203	-0.021	0.012	0.083	22.434
rs38205	ebi-a-GCST90027161	7	15913588	A/C	0.368	0.368	-0.021	0.011	0.043	78.037
rs62463227	ebi-a-GCST90027161	7	71830812	A/G	0.047	0.047	-0.022	0.025	0.375	21.274
rs1259521	ebi-a-GCST90027161	10	77003160	A/G	0.438	0.438	-0.022	0.010	0.032	26.878
rs35164012	ebi-a-GCST90027161	2	146550510	T/G	0.097	0.097	-0.022	0.017	0.190	32.993
rs17231506	ebi-a-GCST90027161	16	56994528	T/C	0.308	0.308	-0.022	0.011	0.046	505.719
rs9295128	ebi-a-GCST90027161	6	160751531	T/G	0.016	0.016	-0.023	0.041	0.579	47.331

rs62017272	ebi-a-GCST90027161	14	40014604	C/T	0.192	0.192	-0.023	0.013	0.075	42.037
rs7760528	ebi-a-GCST90027161	6	20442354	C/T	0.325	0.325	-0.023	0.011	0.035	22.352
rs10934286	ebi-a-GCST90027161	3	115090105	G/A	0.116	0.116	-0.023	0.015	0.127	30.839
rs7312441	ebi-a-GCST90027161	12	56941146	A/C	0.290	0.290	-0.023	0.015	0.113	60.316
rs7196161	ebi-a-GCST90027161	16	31110981	G/A	0.367	0.367	-0.025	0.011	0.020	111.773
rs12133907	ebi-a-GCST90027161	1	93850283	C/A	0.394	0.394	-0.025	0.010	0.017	69.817
rs68165376	ebi-a-GCST90027161	8	8820345	C/T	0.074	0.074	-0.026	0.020	0.202	37.750
rs7212201	ebi-a-GCST90027161	17	76393896	C/A	0.349	0.349	-0.026	0.011	0.019	194.860
rs12256103	ebi-a-GCST90027161	10	75545251	A/G	0.320	0.320	-0.026	0.011	0.017	24.423
rs3860847	ebi-a-GCST90027161	8	126631799	A/G	0.211	0.211	-0.026	0.013	0.039	189.134
rs4631704	ebi-a-GCST90027161	1	230293530	C/T	0.404	0.404	-0.026	0.010	0.013	967.549
rs10877949	ebi-a-GCST90027161	12	63466131	T/C	0.313	0.313	-0.026	0.011	0.015	35.646
rs6606694	ebi-a-GCST90027161	12	109598889	T/C	0.017	0.017	-0.027	0.042	0.513	42.167
rs3808434	ebi-a-GCST90027161	8	116559435	A/G	0.413	0.413	-0.028	0.010	0.008	38.710
rs73744635	ebi-a-GCST90027161	6	55437238	C/T	0.047	0.047	-0.028	0.024	0.239	30.010
rs11064281	ebi-a-GCST90027161	12	6721425	G/T	0.168	0.168	-0.028	0.014	0.039	35.510
rs114447556	ebi-a-GCST90027161	4	53207093	T/C	0.069	0.069	-0.028	0.022	0.192	30.004
rs1856508	ebi-a-GCST90027161	9	78631123	A/C	0.085	0.085	-0.028	0.018	0.121	23.399
rs116994374	ebi-a-GCST90027161	9	117084672	A/G	0.054	0.054	-0.029	0.026	0.261	45.307
rs35321365	ebi-a-GCST90027161	18	19905141	C/T	0.491	0.491	-0.029	0.010	0.005	67.753
rs73108788	ebi-a-GCST90027161	12	45985272	T/G	0.174	0.174	-0.030	0.014	0.028	24.943
rs41290120	ebi-a-GCST90027161	19	45382675	A/G	0.043	0.043	-0.030	0.025	0.236	597.208
rs116664154	ebi-a-GCST90027161	5	13261130	T/C	0.041	0.041	-0.030	0.024	0.221	25.697
rs2613505	ebi-a-GCST90027161	1	72835410	C/T	0.173	0.173	-0.031	0.014	0.028	61.890
rs74714416	ebi-a-GCST90027161	15	57491156	T/C	0.034	0.034	-0.031	0.030	0.305	68.183
rs148827772	ebi-a-GCST90027161	4	110766064	G/A	0.025	0.025	-0.031	0.032	0.318	64.280
rs75355739	ebi-a-GCST90027161	4	61591870	G/A	0.079	0.079	-0.031	0.019	0.094	24.508
rs7477945	ebi-a-GCST90027161	10	33962855	G/A	0.233	0.233	-0.032	0.012	0.007	38.440
rs116853320	ebi-a-GCST90027161	10	63779656	G/A	0.037	0.037	-0.033	0.025	0.195	35.621
rs17574650	ebi-a-GCST90027161	5	42436916	C/A	0.097	0.097	-0.033	0.018	0.057	21.916
rs62618693	ebi-a-GCST90027161	11	32956492	T/C	0.036	0.036	-0.035	0.030	0.239	36.814
rs72946301	ebi-a-GCST90027161	2	111861838	A/G	0.112	0.112	-0.035	0.015	0.018	74.308
rs10763928	ebi-a-GCST90027161	10	33632954	T/C	0.078	0.078	-0.037	0.021	0.078	53.950

rs117739035	ebi-a-GCST90027161	11	408174	T/G	0.042	0.042	-0.038	0.025	0.129	46.131
rs6925800	ebi-a-GCST90027161	6	161498311	T/C	0.054	0.054	-0.040	0.021	0.060	42.956
rs567130968	ebi-a-GCST90027161	10	135441553	A/C	0.019	0.019	-0.041	0.053	0.443	50.689
rs115912456	ebi-a-GCST90027161	5	82815158	G/A	0.032	0.032	-0.041	0.032	0.196	64.454
rs77960347	ebi-a-GCST90027161	18	47109955	G/A	0.011	0.011	-0.044	0.053	0.401	33.459
rs488815	ebi-a-GCST90027161	1	110365659	G/A	0.262	0.262	-0.046	0.012	0.000	33.078
rs75221896	ebi-a-GCST90027161	1	173936384	A/G	0.067	0.067	-0.047	0.020	0.019	32.486
rs12485478	ebi-a-GCST90027161	3	12351223	G/A	0.031	0.031	-0.048	0.026	0.070	84.921
rs34139543	ebi-a-GCST90027161	16	72158477	T/C	0.085	0.085	-0.049	0.021	0.020	101.213
rs78933533	ebi-a-GCST90027161	6	32604198	A/G	0.013	0.013	-0.068	0.042	0.106	46.354
rs874744	ebi-a-GCST90027161	19	45513417	T/C	0.026	0.026	-0.070	0.030	0.019	168.670
rs113268469	ebi-a-GCST90027161	18	57862913	T/C	0.015	0.015	-0.073	0.044	0.099	32.034
rs541187000	ebi-a-GCST90027161	1	63700578	C/T	0.013	0.013	-0.078	0.059	0.184	23.904
rs117924058	ebi-a-GCST90027161	19	19432416	A/G	0.043	0.043	-0.092	0.028	0.001	37.917
rs72683923	ebi-a-GCST90027161	14	50735947	C/T	0.015	0.015	-0.116	0.055	0.035	46.884

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rs144398071	ebi-a-GCST90027161	4	15736493	T/C	0.018	0.018	0.023	0.032	0.481	20.463
rs5009451	ebi-a-GCST90027161	4	61862621	C/T	0.608	0.392	0.020	0.011	0.057	22.942
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	22.155
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	36.070
rs77729186	ebi-a-GCST90027161	8	19826318	G/A	0.096	0.096	0.015	0.018	0.392	46.911
rs12652394	ebi-a-GCST90027161	5	67461215	T/G	0.346	0.346	0.012	0.011	0.256	20.646
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	23.072
rs629090	ebi-a-GCST90027161	13	21543678	A/G	0.359	0.359	0.001	0.011	0.963	24.452
rs73684306	ebi-a-GCST90027161	7	28403450	A/G	0.074	0.074	-0.001	0.019	0.945	19.898
rs2980875	ebi-a-GCST90027161	8	126481747	G/A	0.477	0.477	-0.002	0.010	0.869	27.466
rs10455872	ebi-a-GCST90027161	6	161010118	G/A	0.065	0.065	-0.003	0.022	0.898	48.268
rs76337973	ebi-a-GCST90027161	4	89310900	C/T	0.086	0.086	-0.003	0.018	0.874	21.871
rs10194519	ebi-a-GCST90027161	2	47121797	T/C	0.082	0.082	-0.004	0.020	0.837	22.836
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	47.335
rs6805243	ebi-a-GCST90027161	3	1319706	C/T	0.585	0.415	-0.005	0.011	0.607	20.296
rs73212700	ebi-a-GCST90027161	7	114573879	C/T	0.043	0.043	-0.006	0.027	0.836	19.765
rs12551906	ebi-a-GCST90027161	9	102119090	A/G	0.297	0.297	-0.007	0.011	0.524	20.161

rs7395581	ebi-a-GCST90027161	11	47246397	A/G	0.661	0.339	-0.008	0.011	0.459	21.729
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	83.924
rs13233571	ebi-a-GCST90027161	7	72971231	T/C	0.125	0.125	-0.009	0.015	0.572	38.600
rs4746113	ebi-a-GCST90027161	10	74071178	A/G	0.334	0.334	-0.009	0.011	0.406	20.766
rs118018092	ebi-a-GCST90027161	16	20725864	T/C	0.050	0.050	-0.017	0.027	0.532	21.359
rs147388351	ebi-a-GCST90027161	11	18097915	C/T	0.029	0.029	-0.030	0.025	0.226	21.631
rs483082	ebi-a-GCST90027161	19	45416178	T/G	0.235	0.235	-0.030	0.012	0.013	64.690
rs145512434	ebi-a-GCST90027161	7	157686009	A/G	0.019	0.019	-0.033	0.039	0.391	20.191

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rs12451744	ebi-a-GCST90027161	17	45441804	A/G	0.166	0.166	0.044	0.014	0.002	24.042
rs174559	ebi-a-GCST90027161	11	61581656	A/G	0.292	0.292	0.038	0.011	0.001	21.701
rs9302635	ebi-a-GCST90027161	16	72144174	C/T	0.176	0.176	0.029	0.014	0.033	33.363
rs58542926	ebi-a-GCST90027161	19	19379549	T/C	0.071	0.071	0.026	0.020	0.201	44.802
rs73066442	ebi-a-GCST90027161	7	21592973	G/A	0.251	0.251	0.017	0.012	0.132	23.361
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	32.400
rs3735683	ebi-a-GCST90027161	7	1025533	T/C	0.275	0.275	0.014	0.011	0.205	20.475
rs11607673	ebi-a-GCST90027161	11	58953420	T/C	0.484	0.484	0.013	0.010	0.223	22.298
rs4624874	ebi-a-GCST90027161	6	100257019	G/A	0.013	0.013	0.012	0.039	0.755	26.588
rs2044333	ebi-a-GCST90027161	15	58646656	A/G	0.493	0.493	0.010	0.010	0.305	42.603
rs635634	ebi-a-GCST90027161	9	136155000	T/C	0.624	0.376	0.009	0.013	0.462	26.368
rs6565131	ebi-a-GCST90027161	16	83173324	C/T	0.243	0.243	0.006	0.012	0.599	22.673
rs6859	ebi-a-GCST90027161	19	45382034	G/A	0.555	0.445	0.006	0.010	0.592	21.810
rs11633043	ebi-a-GCST90027161	15	58837722	A/G	0.151	0.151	0.004	0.014	0.754	30.878
rs10861970	ebi-a-GCST90027161	12	109221013	A/C	0.313	0.313	0.003	0.011	0.795	21.793
rs520861	ebi-a-GCST90027161	2	21387239	G/A	0.750	0.250	0.003	0.012	0.820	21.155
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	72.701
rs7646323	ebi-a-GCST90027161	3	60477413	G/T	0.172	0.172	0.002	0.012	0.879	21.598
rs11550348	ebi-a-GCST90027161	19	46387344	A/G	0.110	0.110	0.002	0.017	0.926	20.369
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	51.021
rs113531395	ebi-a-GCST90027161	17	4886829	T/C	0.012	0.012	-0.007	0.053	0.899	45.937
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	25.057
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	221.893
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	26.205

rs660240	ebi-a-GCST90027161	1	109817838	C/T	0.783	0.217	-0.009	0.012	0.442	39.584
rs1349326	ebi-a-GCST90027161	11	10376420	A/G	0.846	0.154	-0.010	0.014	0.483	24.308
rs7677929	ebi-a-GCST90027161	4	183111484	C/T	0.179	0.179	-0.011	0.013	0.402	20.255
rs4075673	ebi-a-GCST90027161	2	21150787	C/T	0.566	0.434	-0.011	0.010	0.279	95.547
rs1963676	ebi-a-GCST90027161	21	40709960	T/C	0.608	0.392	-0.013	0.011	0.225	23.188
rs55836855	ebi-a-GCST90027161	8	144999417	T/C	0.406	0.406	-0.013	0.010	0.212	27.592
rs56398555	ebi-a-GCST90027161	18	74803624	A/G	0.093	0.093	-0.013	0.018	0.478	20.782
rs6511720	ebi-a-GCST90027161	19	11202306	T/G	0.107	0.107	-0.014	0.017	0.429	102.715
rs79225634	ebi-a-GCST90027161	5	74619639	T/C	0.348	0.348	-0.015	0.011	0.158	32.892
rs10283342	ebi-a-GCST90027161	8	94685144	A/C	0.047	0.047	-0.015	0.026	0.560	20.532
rs7251161	ebi-a-GCST90027161	19	45706865	A/G	0.289	0.289	-0.017	0.012	0.153	30.249
rs72660594	ebi-a-GCST90027161	1	55636240	C/T	0.023	0.023	-0.018	0.031	0.548	88.965
rs138452194	ebi-a-GCST90027161	2	43771270	T/C	0.022	0.022	-0.021	0.038	0.588	21.588
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	53.998
rs62204086	ebi-a-GCST90027161	2	211828144	A/G	0.017	0.017	-0.024	0.047	0.606	21.001
rs187607506	ebi-a-GCST90027161	1	55491915	T/C	0.205	0.205	-0.026	0.016	0.117	58.387
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	53.778
rs73738916	ebi-a-GCST90027161	6	32793456	A/C	0.030	0.030	-0.031	0.027	0.254	20.470
rs2259816	ebi-a-GCST90027161	12	121435587	T/G	0.350	0.350	-0.034	0.011	0.001	22.297
rs143020481	ebi-a-GCST90027161	4	72787264	A/G	0.029	0.029	-0.034	0.030	0.251	20.588
rs157594	ebi-a-GCST90027161	19	45425175	G/T	0.639	0.361	-0.035	0.011	0.001	114.977
rs74405700	ebi-a-GCST90027161	18	33934042	T/C	0.033	0.033	-0.064	0.030	0.034	21.638

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rs146100068	ebi-a-GCST90027161	11	47970530	T/C	0.020	0.020	0.088	0.043	0.041	25.898
rs1537069	ebi-a-GCST90027161	9	20560683	A/G	0.036	0.036	0.034	0.030	0.266	20.414
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	24.965
rs76975037	ebi-a-GCST90027161	8	19851508	A/C	0.088	0.088	0.021	0.019	0.271	74.807
rs80241907	ebi-a-GCST90027161	1	172546211	G/A	0.016	0.016	0.019	0.039	0.628	23.520
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	23.158
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	39.475
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	30.161
rs74663814	ebi-a-GCST90027161	2	180877888	T/C	0.060	0.060	0.011	0.021	0.584	20.111
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	31.169

rs476469	ebi-a-GCST90027161	11	117173560	T/C	0.404	0.404	0.009	0.010	0.411	22.533
rs4350231	ebi-a-GCST90027161	1	62922660	A/G	0.329	0.329	0.008	0.011	0.468	43.729
rs10779836	ebi-a-GCST90027161	1	230303150	T/C	0.793	0.207	0.008	0.013	0.547	26.284
rs17803280	ebi-a-GCST90027161	18	47954086	T/C	0.090	0.090	0.003	0.018	0.867	27.780
rs10253042	ebi-a-GCST90027161	7	10087524	A/G	0.149	0.149	0.003	0.012	0.823	22.328
rs2980882	ebi-a-GCST90027161	8	126480700	G/A	0.482	0.482	-0.001	0.010	0.912	23.065
rs10455872	ebi-a-GCST90027161	6	161010118	G/A	0.065	0.065	-0.003	0.022	0.898	34.614
rs34346326	ebi-a-GCST90027161	7	73016181	C/T	0.189	0.189	-0.004	0.013	0.791	70.239
rs62202612	ebi-a-GCST90027161	20	23082929	T/C	0.228	0.228	-0.005	0.012	0.692	21.053
rs73212700	ebi-a-GCST90027161	7	114573879	C/T	0.043	0.043	-0.006	0.027	0.836	20.182
rs6980610	ebi-a-GCST90027161	8	97333197	G/A	0.950	0.050	-0.006	0.024	0.791	21.461
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	84.015
rs4746113	ebi-a-GCST90027161	10	74071178	A/G	0.334	0.334	-0.009	0.011	0.406	20.003
rs72884948	ebi-a-GCST90027161	2	181214664	A/G	0.023	0.023	-0.013	0.044	0.777	20.451
rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	29.885
rs77697917	ebi-a-GCST90027161	17	41840849	T/C	0.029	0.029	-0.018	0.030	0.547	20.257
rs62182413	ebi-a-GCST90027161	2	189979936	C/T	0.191	0.191	-0.019	0.017	0.254	20.017
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	24.003
rs78016211	ebi-a-GCST90027161	2	169386575	T/C	0.089	0.089	-0.027	0.018	0.148	20.827
rs438811	ebi-a-GCST90027161	19	45416741	T/C	0.235	0.235	-0.030	0.012	0.013	54.156

Triglycerides in medium VLDL || id:met-c-91:

rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	35.473
rs4631704	ebi-a-GCST90027161	1	230293530	T/C	0.596	0.404	0.026	0.010	0.013	26.231
rs74498950	ebi-a-GCST90027161	4	16642700	G/A	0.019	0.019	0.022	0.043	0.618	23.244
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	24.225
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	20.343
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	42.703
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	42.670
rs79116552	ebi-a-GCST90027161	2	237744637	A/G	0.059	0.059	0.012	0.023	0.584	23.464
rs74663814	ebi-a-GCST90027161	2	180877888	T/C	0.060	0.060	0.011	0.021	0.584	20.018
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	31.479
rs476469	ebi-a-GCST90027161	11	117173560	T/C	0.404	0.404	0.009	0.010	0.411	24.734
rs4259949	ebi-a-GCST90027161	13	62000911	G/T	0.309	0.309	0.008	0.011	0.479	22.301

rs17803280	ebi-a-GCST90027161	18	47954086	T/C	0.090	0.090	0.003	0.018	0.867	22.161
rs2980875	ebi-a-GCST90027161	8	126481747	G/A	0.477	0.477	-0.002	0.010	0.869	29.001
rs2963057	ebi-a-GCST90027161	19	23239263	G/A	0.190	0.190	-0.002	0.013	0.872	21.558
rs34121855	ebi-a-GCST90027161	7	73040814	G/T	0.193	0.193	-0.002	0.013	0.854	77.941
rs6082264	ebi-a-GCST90027161	20	20957651	A/G	0.022	0.022	-0.005	0.036	0.897	22.146
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	84.684
rs673548	ebi-a-GCST90027161	2	21237544	A/G	0.230	0.230	-0.008	0.012	0.488	49.940
rs1168001	ebi-a-GCST90027161	1	62933758	A/G	0.671	0.330	-0.010	0.011	0.371	45.194
rs72884948	ebi-a-GCST90027161	2	181214664	A/G	0.023	0.023	-0.013	0.044	0.777	21.670
rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	27.666
rs77697917	ebi-a-GCST90027161	17	41840849	T/C	0.029	0.029	-0.018	0.030	0.547	31.350
rs112568936	ebi-a-GCST90027161	2	20781254	T/C	0.032	0.032	-0.023	0.027	0.405	20.338
rs439401	ebi-a-GCST90027161	19	45414451	C/T	0.663	0.337	-0.037	0.011	0.001	51.334

Triglycerides in small HDL || id:met-c-923

rs78217411	ebi-a-GCST90027161	13	104184211	A/C	0.013	0.013	0.122	0.053	0.022	21.304
rs117286046	ebi-a-GCST90027161	9	103751216	T/C	0.018	0.018	0.073	0.039	0.060	21.708
rs115312646	ebi-a-GCST90027161	4	167909280	A/G	0.024	0.024	0.026	0.030	0.381	21.167
rs141258263	ebi-a-GCST90027161	6	84411252	T/G	0.024	0.024	0.022	0.035	0.535	20.500
rs1860	ebi-a-GCST90027161	22	22055394	G/A	0.636	0.364	0.020	0.011	0.062	22.954
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	23.000
rs2028258	ebi-a-GCST90027161	5	110482490	G/A	0.103	0.103	0.019	0.018	0.305	22.361
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	59.210
rs11607673	ebi-a-GCST90027161	11	58953420	T/C	0.484	0.484	0.013	0.010	0.223	20.624
rs79116552	ebi-a-GCST90027161	2	237744637	A/G	0.059	0.059	0.012	0.023	0.584	20.519
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	32.287
rs10779836	ebi-a-GCST90027161	1	230303150	T/C	0.793	0.207	0.008	0.013	0.547	20.604
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	38.767
rs4497815	ebi-a-GCST90027161	19	23086017	A/G	0.818	0.182	-0.001	0.013	0.971	20.868
rs72752218	ebi-a-GCST90027161	5	55597424	A/G	0.075	0.075	-0.003	0.019	0.881	21.194
rs6957745	ebi-a-GCST90027161	7	73056750	C/T	0.192	0.192	-0.003	0.013	0.796	45.636
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	24.026
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	44.831
rs148993244	ebi-a-GCST90027161	3	115959598	C/T	0.022	0.022	-0.012	0.040	0.758	21.813

rs6511720	ebi-a-GCST90027161	19	11202306	T/G	0.107	0.107	-0.014	0.017	0.429	34.231
rs174418	ebi-a-GCST90027161	15	58687603	C/T	0.589	0.412	-0.015	0.010	0.162	26.055
rs10277163	ebi-a-GCST90027161	7	21569089	G/A	0.247	0.247	-0.016	0.012	0.195	26.230
rs72660594	ebi-a-GCST90027161	1	55636240	C/T	0.023	0.023	-0.018	0.031	0.548	29.896
rs4788460	ebi-a-GCST90027161	16	72154509	T/C	0.300	0.300	-0.019	0.011	0.086	24.271
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	53.367
rs3764261	ebi-a-GCST90027161	16	56993324	A/C	0.308	0.308	-0.022	0.011	0.052	189.278
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	25.974
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	20.368
rs3130285	ebi-a-GCST90027161	6	32026257	C/T	0.859	0.141	-0.033	0.015	0.026	20.954
rs78016572	ebi-a-GCST90027161	22	28105632	A/C	0.025	0.025	-0.057	0.031	0.065	21.016

Triglycerides in small VLDL || id:met-c-932

rs188247550	ebi-a-GCST90027161	19	19396616	T/C	0.027	0.027	0.060	0.029	0.040	24.587
rs116843064	ebi-a-GCST90027161	19	8429323	A/G	0.022	0.022	0.032	0.033	0.326	36.485
rs12365864	ebi-a-GCST90027161	11	116489036	G/A	0.190	0.190	0.019	0.013	0.160	30.205
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	22.476
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	54.364
rs6065904	ebi-a-GCST90027161	20	44534651	A/G	0.219	0.219	0.018	0.012	0.143	41.985
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	111.898
rs11607673	ebi-a-GCST90027161	11	58953420	T/C	0.484	0.484	0.013	0.010	0.223	23.111
rs79116552	ebi-a-GCST90027161	2	237744637	A/G	0.059	0.059	0.012	0.023	0.584	27.021
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	34.883
rs72757871	ebi-a-GCST90027161	9	119212415	C/A	0.040	0.040	0.010	0.025	0.697	22.567
rs7605158	ebi-a-GCST90027161	2	128610021	C/T	0.104	0.104	0.008	0.017	0.611	22.394
rs633892	ebi-a-GCST90027161	11	117112630	C/A	0.434	0.434	0.008	0.010	0.414	20.207
rs35608606	ebi-a-GCST90027161	1	110052900	T/G	0.415	0.415	0.008	0.010	0.463	21.687
rs10779836	ebi-a-GCST90027161	1	230303150	T/C	0.793	0.207	0.008	0.013	0.547	25.927
rs1042034	ebi-a-GCST90027161	2	21225281	T/C	0.770	0.230	0.007	0.012	0.556	88.869
rs7978792	ebi-a-GCST90027161	12	129692152	C/A	0.086	0.086	0.005	0.020	0.797	20.075
rs9267659	ebi-a-GCST90027161	6	31846234	G/A	0.769	0.232	0.004	0.012	0.776	21.900
rs10861970	ebi-a-GCST90027161	12	109221013	A/C	0.313	0.313	0.003	0.011	0.795	21.344
rs2980853	ebi-a-GCST90027161	8	126478350	C/A	0.482	0.482	-0.002	0.010	0.886	53.997
rs2963057	ebi-a-GCST90027161	19	23239263	G/A	0.190	0.190	-0.002	0.013	0.872	23.934

rs72752218	ebi-a-GCST90027161	5	55597424	A/G	0.075	0.075	-0.003	0.019	0.881	20.232
rs34346326	ebi-a-GCST90027161	7	73016181	C/T	0.189	0.189	-0.004	0.013	0.791	61.214
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	58.759
rs6997473	ebi-a-GCST90027161	8	59406223	G/A	0.064	0.064	-0.007	0.020	0.738	22.418
rs7395581	ebi-a-GCST90027161	11	47246397	A/G	0.661	0.339	-0.008	0.011	0.459	25.500
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	95.070
rs4563214	ebi-a-GCST90027161	2	221276033	T/C	0.086	0.086	-0.008	0.018	0.651	20.808
rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	21.611
rs73214679	ebi-a-GCST90027161	8	19510168	C/T	0.345	0.345	-0.015	0.011	0.156	24.851
rs10942734	ebi-a-GCST90027161	5	74595194	C/A	0.451	0.451	-0.019	0.010	0.068	29.451
rs76172517	ebi-a-GCST90027161	2	169514699	C/T	0.101	0.101	-0.024	0.018	0.173	20.330
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	36.054
triglycerides in very large HDL id:met-c-94										
rs76486017	ebi-a-GCST90027161	18	48210865	A/G	0.007	0.007	0.045	0.058	0.443	28.232
rs8100204	ebi-a-GCST90027161	19	19393714	A/G	0.153	0.153	0.033	0.014	0.018	35.287
rs6073958	ebi-a-GCST90027161	20	44551855	C/T	0.196	0.196	0.031	0.013	0.015	139.518
rs75679663	ebi-a-GCST90027161	17	4667972	A/C	0.014	0.014	0.026	0.043	0.537	33.905
rs4963275	ebi-a-GCST90027161	11	61697658	G/A	0.381	0.381	0.026	0.010	0.015	20.018
rs77451458	ebi-a-GCST90027161	18	46936305	A/G	0.077	0.077	0.019	0.018	0.277	29.416
rs2070895	ebi-a-GCST90027161	15	58723939	A/G	0.236	0.236	0.013	0.012	0.259	687.294
rs17001002	ebi-a-GCST90027161	19	10948031	A/G	0.157	0.157	0.013	0.015	0.382	20.432
rs1557279	ebi-a-GCST90027161	21	32856849	A/G	0.796	0.204	0.013	0.013	0.352	21.515
rs12605135	ebi-a-GCST90027161	18	50164682	T/G	0.060	0.060	0.011	0.021	0.587	25.354
rs181835401	ebi-a-GCST90027161	1	63135955	A/G	0.318	0.318	0.011	0.011	0.315	62.947
rs2044333	ebi-a-GCST90027161	15	58646656	A/G	0.493	0.493	0.010	0.010	0.305	60.110
rs4722829	ebi-a-GCST90027161	7	984000	T/C	0.445	0.445	0.009	0.010	0.364	27.468
rs10744183	ebi-a-GCST90027161	12	125345643	A/G	0.657	0.343	0.009	0.011	0.402	23.848
rs138658462	ebi-a-GCST90027161	8	5485962	G/A	0.017	0.017	0.009	0.040	0.817	21.059
rs921919	ebi-a-GCST90027161	12	125265201	A/G	0.638	0.362	0.005	0.011	0.635	20.088
rs11633043	ebi-a-GCST90027161	15	58837722	A/G	0.151	0.151	0.004	0.014	0.754	90.607
rs9380395	ebi-a-GCST90027161	6	33945361	G/A	0.279	0.279	0.002	0.011	0.832	20.678
rs6882076	ebi-a-GCST90027161	5	156390297	C/T	0.643	0.357	0.001	0.011	0.931	20.951
rs1540037	ebi-a-GCST90027161	18	47182664	G/A	0.769	0.231	-0.002	0.012	0.877	57.153

rs1883025	ebi-a-GCST90027161	9	107664301	T/C	0.226	0.226	-0.002	0.013	0.862	20.823
rs11712688	ebi-a-GCST90027161	3	71379546	A/G	0.457	0.457	-0.002	0.010	0.816	23.420
rs6543521	ebi-a-GCST90027161	2	240226642	G/T	0.812	0.188	-0.003	0.013	0.849	24.330
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	718.155
rs4977183	ebi-a-GCST90027161	8	144985200	G/A	0.461	0.461	-0.008	0.010	0.437	23.839
rs11096689	ebi-a-GCST90027161	2	21140540	T/C	0.711	0.289	-0.013	0.011	0.254	42.822
rs144485253	ebi-a-GCST90027161	13	35765837	G/A	0.024	0.024	-0.013	0.034	0.696	23.214
rs17231506	ebi-a-GCST90027161	16	56994528	T/C	0.308	0.308	-0.022	0.011	0.046	40.561
rs16991213	ebi-a-GCST90027161	20	44969139	A/G	0.074	0.074	-0.024	0.020	0.221	21.663
rs97384	ebi-a-GCST90027161	11	61624181	C/T	0.609	0.391	-0.028	0.010	0.007	65.577
rs17414716	ebi-a-GCST90027161	1	55759138	G/A	0.015	0.015	-0.034	0.038	0.364	42.906

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rs144768958	ebi-a-GCST90027161	7	156830850	C/A	0.025	0.025	0.032	0.040	0.417	20.664
rs76975037	ebi-a-GCST90027161	8	19851508	A/C	0.088	0.088	0.021	0.019	0.271	52.022
rs5009451	ebi-a-GCST90027161	4	61862621	C/T	0.608	0.392	0.020	0.011	0.057	20.827
rs146517761	ebi-a-GCST90027161	6	160902237	T/C	0.012	0.012	0.018	0.047	0.694	26.187
rs72999033	ebi-a-GCST90027161	19	19366632	T/C	0.065	0.065	0.018	0.021	0.380	41.984
rs9809229	ebi-a-GCST90027161	3	115849331	G/A	0.163	0.163	0.015	0.014	0.274	23.828
rs28705310	ebi-a-GCST90027161	14	55103954	G/A	0.596	0.404	0.013	0.011	0.212	20.741
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	25.994
rs536141	ebi-a-GCST90027161	11	117104536	A/C	0.441	0.441	0.009	0.010	0.396	24.558
rs35608606	ebi-a-GCST90027161	1	110052900	T/G	0.415	0.415	0.008	0.010	0.463	20.826
rs10779836	ebi-a-GCST90027161	1	230303150	T/C	0.793	0.207	0.008	0.013	0.547	19.864
rs8062947	ebi-a-GCST90027161	16	85539501	T/C	0.263	0.263	0.007	0.012	0.555	23.128
rs2532037	ebi-a-GCST90027161	19	45697803	C/T	0.037	0.037	-0.001	0.026	0.963	27.471
rs10455872	ebi-a-GCST90027161	6	161010118	G/A	0.065	0.065	-0.003	0.022	0.898	42.131
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	56.238
rs1532085	ebi-a-GCST90027161	15	58683366	G/A	0.609	0.391	-0.008	0.010	0.467	24.445
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	83.231
rs3786505	ebi-a-GCST90027161	19	45490570	G/A	0.341	0.341	-0.008	0.011	0.429	21.958
rs11034579	ebi-a-GCST90027161	11	38092668	C/T	0.026	0.026	-0.011	0.033	0.746	19.918
rs74229164	ebi-a-GCST90027161	1	22188762	T/C	0.225	0.225	-0.013	0.013	0.307	22.951
rs41293995	ebi-a-GCST90027161	10	5989505	A/C	0.034	0.034	-0.013	0.029	0.646	24.985

rs1025748	ebi-a-GCST90027161	4	154563897	T/G	0.756	0.244	-0.015	0.013	0.240	19.981
rs118018092	ebi-a-GCST90027161	16	20725864	T/C	0.050	0.050	-0.017	0.027	0.532	23.138
rs1035263	ebi-a-GCST90027161	2	208114630	C/A	0.111	0.111	-0.018	0.017	0.291	20.001
rs62182413	ebi-a-GCST90027161	2	189979936	C/T	0.191	0.191	-0.019	0.017	0.254	22.125
rs4296389	ebi-a-GCST90027161	2	21142994	T/C	0.280	0.280	-0.020	0.011	0.067	31.649
rs438811	ebi-a-GCST90027161	19	45416741	T/C	0.235	0.235	-0.030	0.012	0.013	39.326

triglycerides in very small VLDL || id:met-c-9:

rs55644928	ebi-a-GCST90027161	11	117303430	T/C	0.085	0.085	0.034	0.018	0.068	21.385
rs9302635	ebi-a-GCST90027161	16	72144174	C/T	0.176	0.176	0.029	0.014	0.033	21.776
rs77810663	ebi-a-GCST90027161	4	167289297	C/A	0.049	0.049	0.027	0.023	0.239	21.665
rs58542926	ebi-a-GCST90027161	19	19379549	T/C	0.071	0.071	0.026	0.020	0.201	52.894
rs7247905	ebi-a-GCST90027161	19	11235337	A/G	0.026	0.026	0.022	0.034	0.514	20.974
rs115849089	ebi-a-GCST90027161	8	19912370	A/G	0.106	0.106	0.017	0.018	0.329	82.619
rs11607673	ebi-a-GCST90027161	11	58953420	T/C	0.484	0.484	0.013	0.010	0.223	24.758
rs79116552	ebi-a-GCST90027161	2	237744637	A/G	0.059	0.059	0.012	0.023	0.584	20.210
rs4624874	ebi-a-GCST90027161	6	100257019	G/A	0.013	0.013	0.012	0.039	0.755	21.949
rs9472125	ebi-a-GCST90027161	6	43756169	T/C	0.138	0.138	0.010	0.015	0.511	27.200
rs59090605	ebi-a-GCST90027161	2	128600390	A/G	0.105	0.105	0.007	0.017	0.685	23.260
rs11232119	ebi-a-GCST90027161	11	80120305	T/C	0.081	0.081	0.006	0.020	0.753	20.249
rs10861970	ebi-a-GCST90027161	12	109221013	A/C	0.313	0.313	0.003	0.011	0.795	26.427
rs216570	ebi-a-GCST90027161	18	54048379	G/A	0.687	0.313	0.003	0.011	0.812	23.426
rs182695896	ebi-a-GCST90027161	4	74813227	C/A	0.015	0.015	0.002	0.042	0.965	43.248
rs2945535	ebi-a-GCST90027161	17	75036220	A/G	0.396	0.396	0.001	0.015	0.958	20.143
rs72752218	ebi-a-GCST90027161	5	55597424	A/G	0.075	0.075	-0.003	0.019	0.881	24.247
rs34346326	ebi-a-GCST90027161	7	73016181	C/T	0.189	0.189	-0.004	0.013	0.791	31.293
rs1168041	ebi-a-GCST90027161	1	62960250	C/T	0.688	0.312	-0.004	0.011	0.694	63.571
rs2923084	ebi-a-GCST90027161	11	10388782	G/A	0.171	0.171	-0.005	0.013	0.701	21.021
rs28483956	ebi-a-GCST90027161	8	59405459	A/G	0.064	0.064	-0.007	0.020	0.741	24.533
rs113531395	ebi-a-GCST90027161	17	4886829	T/C	0.012	0.012	-0.007	0.053	0.899	35.140
rs9564536	ebi-a-GCST90027161	13	35258606	A/C	0.308	0.308	-0.007	0.011	0.508	22.151
rs1260326	ebi-a-GCST90027161	2	27730940	C/T	0.623	0.377	-0.008	0.011	0.448	57.904
rs4563214	ebi-a-GCST90027161	2	221276033	T/C	0.086	0.086	-0.008	0.018	0.651	22.809
rs7015048	ebi-a-GCST90027161	8	144984283	C/T	0.472	0.472	-0.008	0.010	0.424	21.554

rs6544366	ebi-a-GCST90027161	2	21204025	T/G	0.247	0.247	-0.011	0.012	0.321	111.128
rs7605009	ebi-a-GCST90027161	2	21540399	A/G	0.094	0.094	-0.012	0.018	0.502	22.733
rs6511720	ebi-a-GCST90027161	19	11202306	T/G	0.107	0.107	-0.014	0.017	0.429	69.731
rs174418	ebi-a-GCST90027161	15	58687603	C/T	0.589	0.412	-0.015	0.010	0.162	70.329
rs73214679	ebi-a-GCST90027161	8	19510168	C/T	0.345	0.345	-0.015	0.011	0.156	23.424
rs10277163	ebi-a-GCST90027161	7	21569089	G/A	0.247	0.247	-0.016	0.012	0.195	21.661
rs72660594	ebi-a-GCST90027161	1	55636240	C/T	0.023	0.023	-0.018	0.031	0.548	48.411
rs2737637	ebi-a-GCST90027161	1	200172292	C/T	0.946	0.054	-0.020	0.025	0.407	21.699
rs247617	ebi-a-GCST90027161	16	56990716	A/C	0.308	0.308	-0.021	0.011	0.057	102.266
rs2878419	ebi-a-GCST90027161	5	74640490	T/C	0.401	0.401	-0.023	0.010	0.023	34.060
rs72836561	ebi-a-GCST90027161	17	41926126	T/C	0.031	0.031	-0.025	0.030	0.402	24.888
rs187607506	ebi-a-GCST90027161	1	55491915	T/C	0.205	0.205	-0.026	0.016	0.117	31.433
rs144064722	ebi-a-GCST90027161	4	73406173	G/A	0.027	0.027	-0.026	0.031	0.390	35.143
rs157594	ebi-a-GCST90027161	19	45425175	G/T	0.639	0.361	-0.035	0.011	0.001	89.682
Valerylcarnitine										
rs11854608	ebi-a-GCST90027161	15	47646089	A/G	0.090	0.090	0.023	0.018	0.196	21.663
rs9820341	ebi-a-GCST90027161	3	194706481	A/G	0.064	0.064	0.018	0.021	0.401	27.462
rs34670870	ebi-a-GCST90027161	8	6166129	A/G	0.150	0.150	0.017	0.015	0.247	21.827
rs9904516	ebi-a-GCST90027161	17	80390511	A/G	0.218	0.218	0.017	0.013	0.177	20.536
rs2014355	ebi-a-GCST90027161	12	121175524	T/C	0.740	0.260	0.013	0.011	0.274	43.526
rs72865510	ebi-a-GCST90027161	11	12574662	A/G	0.016	0.016	0.006	0.043	0.895	20.560
rs12606132	ebi-a-GCST90027161	18	77165089	T/C	0.702	0.299	0.003	0.012	0.808	20.506
rs1171615	ebi-a-GCST90027161	10	61469090	T/C	0.801	0.199	0.001	0.013	0.915	72.889
rs8033249	ebi-a-GCST90027161	15	40721939	A/G	0.578	0.422	-0.006	0.010	0.575	51.693
rs146781572	ebi-a-GCST90027161	10	28354691	A/G	0.024	0.024	-0.012	0.032	0.714	21.064
rs7284952	ebi-a-GCST90027161	22	23883695	T/C	0.146	0.146	-0.025	0.020	0.202	22.750
rs146822006	ebi-a-GCST90027161	18	8505067	T/C	0.968	0.032	-0.041	0.026	0.114	24.094

Note: SNP: Single nucleotide polymorphism; Outcome: Outcome variable; CHR: Chromosome; POS: Position; EA: Effect allele; OA: Other allele; EAF: Effect allele frequency; β : Beta value; SE: Standard error of β ; P: P-value; F-statistic: F-statistic; MAF: Minor allele frequency; *: SNPs are sorted in descending order of β (allelic effect value).

5. Supplementary Table 1-3: MR Instrumental SNPs Linking Dietary Traits to Lipid Mediators

SNP	Outcome	CHR	POS	EA/OA	EA	MAF	β^*	SE	P	F-statistic
Bread type: Brown										
rs137878466	Hydroxybutyrylcarnitine	3	100827337	C/T	0.011	0.011	0.161	0.075	0.031	21.930
rs17786402	Hydroxybutyrylcarnitine	3	70141710	T/C	0.038	0.038	0.083	0.039	0.032	19.564
rs145684467	Hydroxybutyrylcarnitine	11	96640003	C/T	0.014	0.014	0.053	0.064	0.404	27.787
rs4596239	Hydroxybutyrylcarnitine	4	7543943	A/G	0.159	0.159	0.030	0.020	0.141	19.717
rs911112	Hydroxybutyrylcarnitine	20	3144664	T/C	0.663	0.337	0.024	0.016	0.130	20.448
rs140034131	Hydroxybutyrylcarnitine	10	130472697	T/C	0.057	0.057	0.022	0.033	0.496	21.424
rs148589464	Hydroxybutyrylcarnitine	12	113579313	C/T	0.064	0.064	0.022	0.031	0.468	20.191
rs4763440	Hydroxybutyrylcarnitine	12	16308792	A/C	0.185	0.185	0.022	0.021	0.291	21.338
rs75057920	Hydroxybutyrylcarnitine	3	64572427	A/G	0.060	0.060	0.017	0.031	0.589	20.257
rs60540414	Hydroxybutyrylcarnitine	14	42726536	A/C	0.315	0.315	0.016	0.016	0.330	26.182
rs12930184	Hydroxybutyrylcarnitine	16	61098339	C/A	0.576	0.424	0.014	0.015	0.332	22.000
rs11678980	Hydroxybutyrylcarnitine	2	162101261	G/A	0.464	0.464	0.013	0.016	0.387	23.372
rs6913885	Hydroxybutyrylcarnitine	6	138614327	G/A	0.108	0.108	0.012	0.024	0.623	22.047
rs117502088	Hydroxybutyrylcarnitine	19	32240054	G/T	0.044	0.044	0.009	0.037	0.801	19.791
rs58225638	Hydroxybutyrylcarnitine	7	69447456	G/A	0.315	0.315	0.009	0.016	0.556	21.057
rs3784226	Hydroxybutyrylcarnitine	14	105681602	C/T	0.051	0.051	0.008	0.038	0.830	20.189
rs8136857	Hydroxybutyrylcarnitine	22	27396038	C/T	0.445	0.445	0.007	0.016	0.634	23.990
rs113434679	Hydroxybutyrylcarnitine	17	44126765	C/A	0.220	0.220	0.006	0.018	0.729	23.583
rs12944165	Hydroxybutyrylcarnitine	17	37347195	C/T	0.582	0.418	0.001	0.017	0.965	26.224
rs4436414	Hydroxybutyrylcarnitine	1	7120915	G/A	0.408	0.408	-0.001	0.015	0.975	22.043
rs9294508	Hydroxybutyrylcarnitine	6	92256169	T/C	0.670	0.330	-0.002	0.016	0.886	20.573
rs3007282	Hydroxybutyrylcarnitine	13	105873445	G/A	0.033	0.033	-0.005	0.041	0.901	19.598
rs10029619	Hydroxybutyrylcarnitine	4	45024518	T/C	0.759	0.241	-0.006	0.017	0.731	19.931
rs4399914	Hydroxybutyrylcarnitine	3	81965477	C/T	0.385	0.385	-0.006	0.015	0.674	24.333
rs9755750	Hydroxybutyrylcarnitine	3	23963183	G/A	0.278	0.278	-0.007	0.016	0.651	26.142
rs117320788	Hydroxybutyrylcarnitine	7	63979336	A/G	0.019	0.019	-0.009	0.055	0.875	19.917
rs78642401	Hydroxybutyrylcarnitine	11	62422928	A/G	0.055	0.055	-0.009	0.033	0.783	20.402
rs79126855	Hydroxybutyrylcarnitine	15	89997626	C/T	0.130	0.130	-0.010	0.023	0.666	19.720
rs11251526	Hydroxybutyrylcarnitine	10	2858872	C/T	0.243	0.243	-0.011	0.017	0.527	20.191

rs136557	Hydroxybutyrylcarnitine	22	27258572	G/T	0.370	0.370	-0.016	0.015	0.291	24.918
rs28432761	Hydroxybutyrylcarnitine	16	53823878	T/C	0.514	0.486	-0.018	0.015	0.209	24.899
rs6741354	Hydroxybutyrylcarnitine	2	116060637	A/G	0.022	0.022	-0.019	0.053	0.721	23.235
rs631505	Hydroxybutyrylcarnitine	6	11583741	T/G	0.082	0.082	-0.024	0.027	0.383	25.308
rs2205171	Hydroxybutyrylcarnitine	7	142534127	C/A	0.156	0.156	-0.027	0.020	0.179	19.805
rs73156683	Hydroxybutyrylcarnitine	7	99554472	C/A	0.088	0.088	-0.035	0.027	0.193	20.124
rs148538549	Hydroxybutyrylcarnitine	4	67076759	G/A	0.033	0.033	-0.042	0.049	0.391	20.271
rs116176319	Hydroxybutyrylcarnitine	2	7130677	T/G	0.016	0.016	-0.076	0.061	0.211	22.869
rs113454868	Hydroxybutyrylcarnitine	13	102657137	C/T	0.049	0.049	-0.096	0.035	0.006	21.247
rs137878466	PC aa C24:0	3	100827337	C/T	0.011	0.011	0.074	0.075	0.322	21.930
rs631505	PC aa C24:0	6	11583741	T/G	0.082	0.082	0.068	0.027	0.012	25.308
rs117502088	PC aa C24:0	19	32240054	G/T	0.044	0.044	0.066	0.037	0.078	19.791
rs17786402	PC aa C24:0	3	70141710	T/C	0.038	0.038	0.050	0.039	0.200	19.564
rs4399914	PC aa C24:0	3	81965477	C/T	0.385	0.385	0.039	0.015	0.010	24.333
rs113454868	PC aa C24:0	13	102657137	C/T	0.049	0.049	0.033	0.035	0.347	21.247
rs116176319	PC aa C24:0	2	7130677	T/G	0.016	0.016	0.031	0.061	0.608	22.869
rs6913885	PC aa C24:0	6	138614327	G/A	0.108	0.108	0.025	0.024	0.299	22.047
rs4596239	PC aa C24:0	4	7543943	A/G	0.159	0.159	0.024	0.020	0.241	19.717
rs28432761	PC aa C24:0	16	53823878	T/C	0.514	0.486	0.017	0.015	0.238	24.899
rs9755750	PC aa C24:0	3	23963183	G/A	0.278	0.278	0.017	0.016	0.296	26.142
rs79126855	PC aa C24:0	15	89997626	C/T	0.130	0.130	0.017	0.024	0.470	19.720
rs113434679	PC aa C24:0	17	44126765	C/A	0.220	0.220	0.017	0.018	0.347	23.583
rs75057920	PC aa C24:0	3	64572427	A/G	0.060	0.060	0.017	0.031	0.596	20.257
rs136557	PC aa C24:0	22	27258572	G/T	0.370	0.370	0.016	0.015	0.309	24.918
rs11678980	PC aa C24:0	2	162101261	G/A	0.464	0.464	0.015	0.016	0.324	23.372
rs4436414	PC aa C24:0	1	7120915	G/A	0.408	0.408	0.013	0.015	0.373	22.043
rs60540414	PC aa C24:0	14	42726536	A/C	0.315	0.315	0.010	0.016	0.516	26.182
rs4763440	PC aa C24:0	12	16308792	A/C	0.185	0.185	0.008	0.021	0.718	21.338
rs6741354	PC aa C24:0	2	116060637	A/G	0.022	0.022	0.007	0.053	0.890	23.235
rs140034131	PC aa C24:0	10	130472697	T/C	0.057	0.057	0.004	0.033	0.915	21.424
rs9294508	PC aa C24:0	6	92256169	T/C	0.670	0.330	0.003	0.016	0.875	20.573
rs148589464	PC aa C24:0	12	113579313	C/T	0.064	0.064	0.001	0.031	0.983	20.191
rs2205171	PC aa C24:0	7	142534127	C/A	0.156	0.156	0.001	0.020	0.972	19.805

rs3784226	PC aa C24:0	14	105681602	C/T	0.051	0.051	-0.001	0.038	0.980	20.189
rs58225638	PC aa C24:0	7	69447456	G/A	0.315	0.315	-0.009	0.016	0.577	21.057
rs10029619	PC aa C24:0	4	45024518	T/C	0.759	0.241	-0.009	0.018	0.600	19.931
rs911112	PC aa C24:0	20	3144664	T/C	0.663	0.337	-0.013	0.016	0.420	20.448
rs8136857	PC aa C24:0	22	27396038	C/T	0.445	0.445	-0.014	0.016	0.361	23.990
rs11251526	PC aa C24:0	10	2858872	C/T	0.243	0.243	-0.018	0.017	0.289	20.191
rs12944165	PC aa C24:0	17	37347195	C/T	0.582	0.418	-0.023	0.018	0.194	26.224
rs12930184	PC aa C24:0	16	61098339	C/A	0.576	0.424	-0.031	0.015	0.036	22.000
rs78642401	PC aa C24:0	11	62422928	A/G	0.055	0.055	-0.032	0.033	0.326	20.402
rs73156683	PC aa C24:0	7	99554472	C/A	0.088	0.088	-0.044	0.027	0.098	20.124
rs145684467	PC aa C24:0	11	96640003	C/T	0.014	0.014	-0.046	0.064	0.478	27.787
rs117320788	PC aa C24:0	7	63979336	A/G	0.019	0.019	-0.055	0.055	0.320	19.917
rs3007282	PC aa C24:0	13	105873445	G/A	0.033	0.033	-0.091	0.042	0.030	19.598
rs148538549	PC aa C24:0	4	67076759	G/A	0.033	0.033	-0.097	0.050	0.051	20.271
rs6741354	PC aa C32:2	2	116060637	A/G	0.022	0.022	0.107	0.052	0.040	23.235
rs137878466	PC aa C32:2	3	100827337	C/T	0.011	0.011	0.103	0.074	0.163	21.930
rs117502088	PC aa C32:2	19	32240054	G/T	0.044	0.044	0.040	0.037	0.269	19.791
rs75057920	PC aa C32:2	3	64572427	A/G	0.060	0.060	0.039	0.031	0.202	20.257
rs116176319	PC aa C32:2	2	7130677	T/G	0.016	0.016	0.033	0.060	0.577	22.869
rs4763440	PC aa C32:2	12	16308792	A/C	0.185	0.185	0.031	0.021	0.132	21.338
rs113454868	PC aa C32:2	13	102657137	C/T	0.049	0.049	0.027	0.034	0.423	21.247
rs3784226	PC aa C32:2	14	105681602	C/T	0.051	0.051	0.021	0.037	0.570	20.189
rs78642401	PC aa C32:2	11	62422928	A/G	0.055	0.055	0.020	0.032	0.543	20.402
rs12944165	PC aa C32:2	17	37347195	C/T	0.582	0.418	0.018	0.017	0.297	26.224
rs145684467	PC aa C32:2	11	96640003	C/T	0.014	0.014	0.017	0.063	0.789	27.787
rs6913885	PC aa C32:2	6	138614327	G/A	0.108	0.108	0.014	0.024	0.549	22.047
rs4436414	PC aa C32:2	1	7120915	G/A	0.408	0.408	0.013	0.015	0.387	22.043
rs4399914	PC aa C32:2	3	81965477	C/T	0.385	0.385	0.011	0.015	0.460	24.333
rs11678980	PC aa C32:2	2	162101261	G/A	0.464	0.464	0.009	0.015	0.557	23.372
rs2205171	PC aa C32:2	7	142534127	C/A	0.156	0.156	0.009	0.020	0.670	19.805
rs12930184	PC aa C32:2	16	61098339	C/A	0.576	0.424	0.003	0.015	0.854	22.000
rs4596239	PC aa C32:2	4	7543943	A/G	0.159	0.159	0.000	0.020	0.985	19.717
rs911112	PC aa C32:2	20	3144664	T/C	0.663	0.337	-0.002	0.016	0.902	20.448

rs79126855	PC aa C32:2	15	89997626	C/T	0.130	0.130	-0.002	0.023	0.922	19.720
rs11251526	PC aa C32:2	10	2858872	C/T	0.243	0.243	-0.003	0.017	0.873	20.191
rs113434679	PC aa C32:2	17	44126765	C/A	0.220	0.220	-0.004	0.018	0.822	23.583
rs9755750	PC aa C32:2	3	23963183	G/A	0.278	0.278	-0.005	0.016	0.757	26.142
rs8136857	PC aa C32:2	22	27396038	C/T	0.445	0.445	-0.005	0.015	0.724	23.990
rs28432761	PC aa C32:2	16	53823878	T/C	0.514	0.486	-0.008	0.014	0.593	24.899
rs140034131	PC aa C32:2	10	130472697	T/C	0.057	0.057	-0.008	0.033	0.802	21.424
rs60540414	PC aa C32:2	14	42726536	A/C	0.315	0.315	-0.009	0.016	0.581	26.182
rs10029619	PC aa C32:2	4	45024518	T/C	0.759	0.241	-0.009	0.017	0.602	19.931
rs117320788	PC aa C32:2	7	63979336	A/G	0.019	0.019	-0.017	0.054	0.752	19.917
rs9294508	PC aa C32:2	6	92256169	T/C	0.670	0.330	-0.017	0.016	0.266	20.573
rs58225638	PC aa C32:2	7	69447456	G/A	0.315	0.315	-0.019	0.016	0.216	21.057
rs631505	PC aa C32:2	6	11583741	T/G	0.082	0.082	-0.023	0.027	0.397	25.308
rs148589464	PC aa C32:2	12	113579313	C/T	0.064	0.064	-0.023	0.030	0.440	20.191
rs136557	PC aa C32:2	22	27258572	G/T	0.370	0.370	-0.027	0.015	0.071	24.918
rs73156683	PC aa C32:2	7	99554472	C/A	0.088	0.088	-0.039	0.026	0.142	20.124
rs3007282	PC aa C32:2	13	105873445	G/A	0.033	0.033	-0.044	0.041	0.286	19.598
rs148538549	PC aa C32:2	4	67076759	G/A	0.033	0.033	-0.053	0.049	0.277	20.271
rs17786402	PC aa C32:2	3	70141710	T/C	0.038	0.038	-0.065	0.038	0.092	19.564
rs6741354	PC aa C32:3	2	116060637	A/G	0.022	0.022	0.086	0.052	0.099	23.235
rs137878466	PC aa C32:3	3	100827337	C/T	0.011	0.011	0.063	0.073	0.390	21.930
rs75057920	PC aa C32:3	3	64572427	A/G	0.060	0.060	0.056	0.031	0.068	20.257
rs116176319	PC aa C32:3	2	7130677	T/G	0.016	0.016	0.053	0.059	0.369	22.869
rs4399914	PC aa C32:3	3	81965477	C/T	0.385	0.385	0.021	0.015	0.155	24.333
rs145684467	PC aa C32:3	11	96640003	C/T	0.014	0.014	0.020	0.063	0.754	27.787
rs12944165	PC aa C32:3	17	37347195	C/T	0.582	0.418	0.019	0.017	0.265	26.224
rs117502088	PC aa C32:3	19	32240054	G/T	0.044	0.044	0.017	0.036	0.647	19.791
rs4763440	PC aa C32:3	12	16308792	A/C	0.185	0.185	0.015	0.021	0.475	21.338
rs4436414	PC aa C32:3	1	7120915	G/A	0.408	0.408	0.014	0.015	0.335	22.043
rs113434679	PC aa C32:3	17	44126765	C/A	0.220	0.220	0.012	0.018	0.488	23.583
rs136557	PC aa C32:3	22	27258572	G/T	0.370	0.370	0.008	0.015	0.594	24.918
rs4596239	PC aa C32:3	4	7543943	A/G	0.159	0.159	0.007	0.020	0.722	19.717
rs8136857	PC aa C32:3	22	27396038	C/T	0.445	0.445	0.007	0.015	0.673	23.990

rs6913885	PC aa C32:3	6	138614327	G/A	0.108	0.108	0.005	0.023	0.841	22.047
rs11678980	PC aa C32:3	2	162101261	G/A	0.464	0.464	0.004	0.015	0.795	23.372
rs911112	PC aa C32:3	20	3144664	T/C	0.663	0.337	0.003	0.016	0.828	20.448
rs148589464	PC aa C32:3	12	113579313	C/T	0.064	0.064	0.003	0.030	0.923	20.191
rs79126855	PC aa C32:3	15	89997626	C/T	0.130	0.130	0.003	0.023	0.904	19.720
rs9755750	PC aa C32:3	3	23963183	G/A	0.278	0.278	0.003	0.016	0.869	26.142
rs140034131	PC aa C32:3	10	130472697	T/C	0.057	0.057	0.001	0.032	0.987	21.424
rs58225638	PC aa C32:3	7	69447456	G/A	0.315	0.315	0.001	0.016	0.976	21.057
rs28432761	PC aa C32:3	16	53823878	T/C	0.514	0.486	0.000	0.014	0.980	24.899
rs12930184	PC aa C32:3	16	61098339	C/A	0.576	0.424	-0.001	0.015	0.927	22.000
rs9294508	PC aa C32:3	6	92256169	T/C	0.670	0.330	-0.003	0.015	0.847	20.573
rs117320788	PC aa C32:3	7	63979336	A/G	0.019	0.019	-0.004	0.054	0.939	19.917
rs10029619	PC aa C32:3	4	45024518	T/C	0.759	0.241	-0.006	0.017	0.724	19.931
rs60540414	PC aa C32:3	14	42726536	A/C	0.315	0.315	-0.008	0.016	0.602	26.182
rs3784226	PC aa C32:3	14	105681602	C/T	0.051	0.051	-0.011	0.037	0.775	20.189
rs2205171	PC aa C32:3	7	142534127	C/A	0.156	0.156	-0.012	0.020	0.556	19.805
rs113454868	PC aa C32:3	13	102657137	C/T	0.049	0.049	-0.013	0.034	0.713	21.247
rs11251526	PC aa C32:3	10	2858872	C/T	0.244	0.244	-0.014	0.017	0.408	20.191
rs631505	PC aa C32:3	6	11583741	T/G	0.082	0.082	-0.014	0.027	0.594	25.308
rs17786402	PC aa C32:3	3	70141710	T/C	0.038	0.038	-0.037	0.038	0.331	19.564
rs78642401	PC aa C32:3	11	62422928	A/G	0.055	0.055	-0.046	0.032	0.156	20.402
rs73156683	PC aa C32:3	7	99554472	C/A	0.088	0.088	-0.049	0.026	0.059	20.124
rs148538549	PC aa C32:3	4	67076759	G/A	0.033	0.033	-0.052	0.049	0.289	20.271
rs3007282	PC aa C32:3	13	105873445	G/A	0.033	0.033	-0.079	0.041	0.054	19.598
rs137878466	PC aa C36:0	3	100827337	C/T	0.011	0.011	0.061	0.074	0.406	21.930
rs140034131	PC aa C36:0	10	130472697	T/C	0.057	0.057	0.050	0.033	0.124	21.424
rs4763440	PC aa C36:0	12	16308792	A/C	0.185	0.185	0.044	0.021	0.032	21.338
rs117502088	PC aa C36:0	19	32240054	G/T	0.044	0.044	0.044	0.037	0.232	19.791
rs11678980	PC aa C36:0	2	162101261	G/A	0.464	0.464	0.042	0.015	0.006	23.372
rs113454868	PC aa C36:0	13	102657137	C/T	0.049	0.049	0.033	0.034	0.336	21.247
rs75057920	PC aa C36:0	3	64572427	A/G	0.060	0.060	0.029	0.031	0.346	20.257
rs145684467	PC aa C36:0	11	96640003	C/T	0.014	0.014	0.024	0.063	0.701	27.787
rs3007282	PC aa C36:0	13	105873445	G/A	0.033	0.033	0.018	0.041	0.663	19.598

rs6741354	PC aa C36:0	2	116060637	A/G	0.022	0.022	0.018	0.052	0.733	23.235
rs136557	PC aa C36:0	22	27258572	G/T	0.370	0.370	0.017	0.015	0.268	24.918
rs2205171	PC aa C36:0	7	142534127	C/A	0.156	0.156	0.013	0.020	0.504	19.805
rs148538549	PC aa C36:0	4	67076759	G/A	0.033	0.033	0.007	0.049	0.894	20.271
rs9755750	PC aa C36:0	3	23963183	G/A	0.278	0.278	0.005	0.016	0.758	26.142
rs78642401	PC aa C36:0	11	62422928	A/G	0.055	0.055	0.004	0.032	0.914	20.402
rs911112	PC aa C36:0	20	3144664	T/C	0.663	0.337	0.004	0.016	0.824	20.448
rs4399914	PC aa C36:0	3	81965477	C/T	0.385	0.385	0.003	0.015	0.856	24.333
rs58225638	PC aa C36:0	7	69447456	G/A	0.315	0.315	0.003	0.016	0.861	21.057
rs12944165	PC aa C36:0	17	37347195	C/T	0.582	0.418	0.002	0.017	0.894	26.224
rs148589464	PC aa C36:0	12	113579313	C/T	0.064	0.064	0.002	0.030	0.950	20.191
rs4436414	PC aa C36:0	1	7120915	G/A	0.408	0.408	0.001	0.015	0.935	22.043
rs4596239	PC aa C36:0	4	7543943	A/G	0.159	0.159	0.000	0.020	0.988	19.717
rs6913885	PC aa C36:0	6	138614327	G/A	0.108	0.108	-0.001	0.024	0.966	22.047
rs10029619	PC aa C36:0	4	45024518	T/C	0.759	0.241	-0.004	0.017	0.816	19.931
rs3784226	PC aa C36:0	14	105681602	C/T	0.051	0.051	-0.005	0.037	0.901	20.189
rs8136857	PC aa C36:0	22	27396038	C/T	0.445	0.445	-0.007	0.015	0.654	23.990
rs60540414	PC aa C36:0	14	42726536	A/C	0.315	0.315	-0.007	0.016	0.642	26.182
rs17786402	PC aa C36:0	3	70141710	T/C	0.038	0.038	-0.009	0.038	0.808	19.564
rs12930184	PC aa C36:0	16	61098339	C/A	0.576	0.424	-0.011	0.015	0.455	22.000
rs9294508	PC aa C36:0	6	92256169	T/C	0.670	0.330	-0.012	0.016	0.457	20.573
rs28432761	PC aa C36:0	16	53823878	T/C	0.514	0.486	-0.013	0.014	0.384	24.899
rs117320788	PC aa C36:0	7	63979336	A/G	0.019	0.019	-0.016	0.054	0.768	19.917
rs11251526	PC aa C36:0	10	2858872	C/T	0.243	0.243	-0.017	0.017	0.331	20.191
rs73156683	PC aa C36:0	7	99554472	C/A	0.088	0.088	-0.024	0.026	0.354	20.124
rs79126855	PC aa C36:0	15	89997626	C/T	0.130	0.130	-0.026	0.023	0.263	19.720
rs113434679	PC aa C36:0	17	44126765	C/A	0.220	0.220	-0.031	0.018	0.076	23.583
rs631505	PC aa C36:0	6	11583741	T/G	0.082	0.082	-0.050	0.027	0.062	25.308
rs116176319	PC aa C36:0	2	7130677	T/G	0.016	0.016	-0.082	0.060	0.168	22.869
rs75057920	PC aa C36:4	3	64572427	A/G	0.060	0.060	0.060	0.031	0.052	20.257
rs6741354	PC aa C36:4	2	116060637	A/G	0.022	0.022	0.060	0.053	0.252	23.235
rs117502088	PC aa C36:4	19	32240054	G/T	0.044	0.044	0.055	0.037	0.134	19.791
rs137878466	PC aa C36:4	3	100827337	C/T	0.011	0.011	0.046	0.074	0.537	21.930

rs12944165	PC aa C36:4	17	37347195	C/T	0.582	0.418	0.039	0.017	0.025	26.224
rs78642401	PC aa C36:4	11	62422928	A/G	0.055	0.055	0.037	0.032	0.248	20.402
rs4596239	PC aa C36:4	4	7543943	A/G	0.159	0.159	0.033	0.020	0.106	19.717
rs117320788	PC aa C36:4	7	63979336	A/G	0.019	0.019	0.032	0.055	0.557	19.917
rs140034131	PC aa C36:4	10	130472697	T/C	0.057	0.057	0.028	0.033	0.390	21.424
rs6913885	PC aa C36:4	6	138614327	G/A	0.108	0.108	0.023	0.024	0.332	22.047
rs11678980	PC aa C36:4	2	162101261	G/A	0.464	0.464	0.021	0.015	0.171	23.372
rs3784226	PC aa C36:4	14	105681602	C/T	0.051	0.051	0.020	0.038	0.601	20.189
rs4399914	PC aa C36:4	3	81965477	C/T	0.385	0.385	0.017	0.015	0.261	24.333
rs17786402	PC aa C36:4	3	70141710	T/C	0.038	0.038	0.014	0.039	0.716	19.564
rs113454868	PC aa C36:4	13	102657137	C/T	0.049	0.049	0.011	0.034	0.747	21.247
rs60540414	PC aa C36:4	14	42726536	A/C	0.315	0.315	0.011	0.016	0.501	26.182
rs12930184	PC aa C36:4	16	61098339	C/A	0.576	0.424	0.010	0.015	0.502	22.000
rs9755750	PC aa C36:4	3	23963183	G/A	0.278	0.278	0.007	0.016	0.678	26.142
rs11251526	PC aa C36:4	10	2858872	C/T	0.243	0.243	0.005	0.017	0.781	20.191
rs8136857	PC aa C36:4	22	27396038	C/T	0.445	0.445	0.004	0.016	0.792	23.990
rs2205171	PC aa C36:4	7	142534127	C/A	0.156	0.156	0.002	0.020	0.906	19.805
rs136557	PC aa C36:4	22	27258572	G/T	0.370	0.370	0.000	0.015	0.999	24.918
rs911112	PC aa C36:4	20	3144664	T/C	0.663	0.337	-0.003	0.016	0.867	20.448
rs4436414	PC aa C36:4	1	7120915	G/A	0.408	0.408	-0.004	0.015	0.781	22.043
rs9294508	PC aa C36:4	6	92256169	T/C	0.670	0.330	-0.004	0.016	0.780	20.573
rs148538549	PC aa C36:4	4	67076759	G/A	0.033	0.033	-0.006	0.049	0.901	20.271
rs145684467	PC aa C36:4	11	96640003	C/T	0.014	0.014	-0.007	0.063	0.907	27.787
rs10029619	PC aa C36:4	4	45024518	T/C	0.759	0.241	-0.008	0.017	0.666	19.931
rs28432761	PC aa C36:4	16	53823878	T/C	0.514	0.486	-0.008	0.015	0.576	24.899
rs4763440	PC aa C36:4	12	16308792	A/C	0.185	0.185	-0.008	0.021	0.686	21.338
rs3007282	PC aa C36:4	13	105873445	G/A	0.033	0.033	-0.010	0.041	0.810	19.598
rs79126855	PC aa C36:4	15	89997626	C/T	0.130	0.130	-0.010	0.023	0.661	19.720
rs631505	PC aa C36:4	6	11583741	T/G	0.082	0.082	-0.011	0.027	0.679	25.308
rs58225638	PC aa C36:4	7	69447456	G/A	0.315	0.315	-0.013	0.016	0.422	21.057
rs113434679	PC aa C36:4	17	44126765	C/A	0.220	0.220	-0.025	0.018	0.164	23.583
rs116176319	PC aa C36:4	2	7130677	T/G	0.016	0.016	-0.025	0.060	0.681	22.869
rs148589464	PC aa C36:4	12	113579313	C/T	0.064	0.064	-0.032	0.030	0.299	20.191

rs73156683	PC aa C36:4	7	99554472	C/A	0.088	0.088	-0.050	0.027	0.058	20.124
rs116176319	PC aa C38:3	2	7130677	T/G	0.016	0.016	0.093	0.060	0.119	22.869
rs117502088	PC aa C38:3	19	32240054	G/T	0.044	0.044	0.067	0.037	0.068	19.791
rs137878466	PC aa C38:3	3	100827337	C/T	0.011	0.011	0.067	0.074	0.368	21.930
rs6741354	PC aa C38:3	2	116060637	A/G	0.022	0.022	0.053	0.052	0.314	23.235
rs75057920	PC aa C38:3	3	64572427	A/G	0.060	0.060	0.040	0.031	0.201	20.257
rs12944165	PC aa C38:3	17	37347195	C/T	0.582	0.418	0.016	0.017	0.344	26.224
rs4399914	PC aa C38:3	3	81965477	C/T	0.385	0.385	0.015	0.015	0.309	24.333
rs6913885	PC aa C38:3	6	138614327	G/A	0.108	0.108	0.014	0.024	0.568	22.047
rs4763440	PC aa C38:3	12	16308792	A/C	0.185	0.185	0.011	0.021	0.583	21.338
rs12930184	PC aa C38:3	16	61098339	C/A	0.576	0.424	0.008	0.015	0.581	22.000
rs60540414	PC aa C38:3	14	42726536	A/C	0.315	0.315	0.007	0.016	0.680	26.182
rs28432761	PC aa C38:3	16	53823878	T/C	0.514	0.486	0.006	0.014	0.678	24.899
rs4436414	PC aa C38:3	1	7120915	G/A	0.408	0.408	0.005	0.015	0.761	22.043
rs4596239	PC aa C38:3	4	7543943	A/G	0.159	0.159	0.004	0.020	0.855	19.717
rs113434679	PC aa C38:3	17	44126765	C/A	0.220	0.220	0.002	0.018	0.904	23.583
rs11251526	PC aa C38:3	10	2858872	C/T	0.243	0.243	-0.001	0.017	0.947	20.191
rs140034131	PC aa C38:3	10	130472697	T/C	0.057	0.057	-0.003	0.033	0.937	21.424
rs2205171	PC aa C38:3	7	142534127	C/A	0.156	0.156	-0.003	0.020	0.886	19.805
rs58225638	PC aa C38:3	7	69447456	G/A	0.315	0.315	-0.007	0.016	0.656	21.057
rs911112	PC aa C38:3	20	3144664	T/C	0.663	0.337	-0.009	0.016	0.594	20.448
rs8136857	PC aa C38:3	22	27396038	C/T	0.445	0.445	-0.009	0.015	0.572	23.990
rs113454868	PC aa C38:3	13	102657137	C/T	0.049	0.049	-0.009	0.034	0.792	21.247
rs9294508	PC aa C38:3	6	92256169	T/C	0.670	0.330	-0.009	0.016	0.561	20.573
rs9755750	PC aa C38:3	3	23963183	G/A	0.278	0.278	-0.013	0.016	0.437	26.142
rs136557	PC aa C38:3	22	27258572	G/T	0.370	0.370	-0.016	0.015	0.296	24.918
rs10029619	PC aa C38:3	4	45024518	T/C	0.759	0.241	-0.016	0.017	0.356	19.931
rs11678980	PC aa C38:3	2	162101261	G/A	0.464	0.464	-0.018	0.015	0.255	23.372
rs73156683	PC aa C38:3	7	99554472	C/A	0.088	0.088	-0.019	0.026	0.464	20.124
rs145684467	PC aa C38:3	11	96640003	C/T	0.014	0.014	-0.020	0.063	0.749	27.787
rs3784226	PC aa C38:3	14	105681602	C/T	0.051	0.051	-0.026	0.037	0.484	20.189
rs78642401	PC aa C38:3	11	62422928	A/G	0.055	0.055	-0.027	0.032	0.413	20.402
rs631505	PC aa C38:3	6	11583741	T/G	0.082	0.082	-0.027	0.027	0.309	25.308

rs17786402	PC aa C38:3	3	70141710	T/C	0.038	0.038	-0.030	0.038	0.435	19.564
rs79126855	PC aa C38:3	15	89997626	C/T	0.130	0.130	-0.031	0.023	0.187	19.720
rs3007282	PC aa C38:3	13	105873445	G/A	0.033	0.033	-0.036	0.041	0.381	19.598
rs148589464	PC aa C38:3	12	113579313	C/T	0.064	0.064	-0.039	0.030	0.202	20.191
rs148538549	PC aa C38:3	4	67076759	G/A	0.033	0.033	-0.051	0.049	0.302	20.271
rs117320788	PC aa C38:3	7	63979336	A/G	0.019	0.019	-0.093	0.054	0.087	19.917
rs75057920	PC aa C38:4	3	64572427	A/G	0.060	0.060	0.069	0.031	0.027	20.257
rs117502088	PC aa C38:4	19	32240054	G/T	0.044	0.044	0.061	0.037	0.097	19.791
rs12944165	PC aa C38:4	17	37347195	C/T	0.582	0.418	0.050	0.017	0.004	26.224
rs140034131	PC aa C38:4	10	130472697	T/C	0.057	0.057	0.041	0.033	0.212	21.424
rs137878466	PC aa C38:4	3	100827337	C/T	0.011	0.011	0.030	0.074	0.684	21.930
rs4399914	PC aa C38:4	3	81965477	C/T	0.385	0.385	0.029	0.015	0.052	24.333
rs6913885	PC aa C38:4	6	138614327	G/A	0.108	0.108	0.029	0.024	0.227	22.047
rs6741354	PC aa C38:4	2	116060637	A/G	0.022	0.022	0.027	0.052	0.612	23.235
rs4596239	PC aa C38:4	4	7543943	A/G	0.159	0.159	0.023	0.020	0.250	19.717
rs11251526	PC aa C38:4	10	2858872	C/T	0.243	0.243	0.012	0.017	0.495	20.191
rs631505	PC aa C38:4	6	11583741	T/G	0.082	0.082	0.011	0.027	0.695	25.308
rs78642401	PC aa C38:4	11	62422928	A/G	0.055	0.055	0.010	0.032	0.750	20.402
rs113454868	PC aa C38:4	13	102657137	C/T	0.049	0.049	0.009	0.034	0.789	21.247
rs2205171	PC aa C38:4	7	142534127	C/A	0.156	0.156	0.009	0.020	0.671	19.805
rs145684467	PC aa C38:4	11	96640003	C/T	0.014	0.014	0.006	0.063	0.922	27.787
rs60540414	PC aa C38:4	14	42726536	A/C	0.315	0.315	0.005	0.016	0.772	26.182
rs8136857	PC aa C38:4	22	27396038	C/T	0.445	0.445	0.004	0.015	0.795	23.990
rs911112	PC aa C38:4	20	3144664	T/C	0.663	0.337	0.002	0.016	0.916	20.448
rs9755750	PC aa C38:4	3	23963183	G/A	0.278	0.278	0.001	0.016	0.957	26.142
rs28432761	PC aa C38:4	16	53823878	T/C	0.514	0.486	0.000	0.014	0.978	24.899
rs12930184	PC aa C38:4	16	61098339	C/A	0.576	0.424	-0.001	0.015	0.961	22.000
rs17786402	PC aa C38:4	3	70141710	T/C	0.038	0.038	-0.001	0.038	0.984	19.564
rs136557	PC aa C38:4	22	27258572	G/T	0.370	0.370	-0.002	0.015	0.919	24.918
rs3007282	PC aa C38:4	13	105873445	G/A	0.033	0.033	-0.002	0.041	0.955	19.598
rs117320788	PC aa C38:4	7	63979336	A/G	0.019	0.019	-0.002	0.054	0.965	19.917
rs4436414	PC aa C38:4	1	7120915	G/A	0.408	0.408	-0.003	0.015	0.866	22.043
rs4763440	PC aa C38:4	12	16308792	A/C	0.185	0.185	-0.003	0.021	0.905	21.338

rs116176319	PC aa C38:4	2	7130677	T/G	0.016	0.016	-0.004	0.060	0.946	22.869
rs11678980	PC aa C38:4	2	162101261	G/A	0.464	0.464	-0.005	0.015	0.758	23.372
rs79126855	PC aa C38:4	15	89997626	C/T	0.130	0.130	-0.006	0.023	0.790	19.720
rs9294508	PC aa C38:4	6	92256169	T/C	0.670	0.330	-0.008	0.016	0.625	20.573
rs10029619	PC aa C38:4	4	45024518	T/C	0.759	0.241	-0.008	0.017	0.639	19.931
rs3784226	PC aa C38:4	14	105681602	C/T	0.051	0.051	-0.009	0.037	0.815	20.189
rs58225638	PC aa C38:4	7	69447456	G/A	0.315	0.315	-0.011	0.016	0.493	21.057
rs113434679	PC aa C38:4	17	44126765	C/A	0.220	0.220	-0.014	0.018	0.416	23.583
rs148538549	PC aa C38:4	4	67076759	G/A	0.033	0.033	-0.038	0.049	0.441	20.271
rs73156683	PC aa C38:4	7	99554472	C/A	0.088	0.088	-0.043	0.026	0.103	20.124
rs148589464	PC aa C38:4	12	113579313	C/T	0.064	0.064	-0.053	0.030	0.078	20.191
rs6741354	PC aa C38:6	2	116060637	A/G	0.022	0.022	0.084	0.052	0.105	23.235
rs3007282	PC aa C38:6	13	105873445	G/A	0.033	0.033	0.060	0.041	0.142	19.598
rs140034131	PC aa C38:6	10	130472697	T/C	0.057	0.057	0.057	0.032	0.077	21.424
rs116176319	PC aa C38:6	2	7130677	T/G	0.016	0.016	0.054	0.059	0.361	22.869
rs75057920	PC aa C38:6	3	64572427	A/G	0.060	0.060	0.044	0.031	0.147	20.257
rs117320788	PC aa C38:6	7	63979336	A/G	0.019	0.019	0.036	0.054	0.507	19.917
rs12944165	PC aa C38:6	17	37347195	C/T	0.582	0.418	0.033	0.017	0.053	26.224
rs11678980	PC aa C38:6	2	162101261	G/A	0.464	0.464	0.028	0.015	0.061	23.372
rs145684467	PC aa C38:6	11	96640003	C/T	0.014	0.014	0.026	0.063	0.679	27.787
rs117502088	PC aa C38:6	19	32240054	G/T	0.044	0.044	0.025	0.036	0.484	19.791
rs9111112	PC aa C38:6	20	3144664	T/C	0.663	0.337	0.022	0.016	0.162	20.448
rs58225638	PC aa C38:6	7	69447456	G/A	0.315	0.315	0.018	0.016	0.244	21.057
rs4596239	PC aa C38:6	4	7543943	A/G	0.159	0.159	0.016	0.020	0.414	19.717
rs6913885	PC aa C38:6	6	138614327	G/A	0.108	0.108	0.012	0.023	0.597	22.047
rs28432761	PC aa C38:6	16	53823878	T/C	0.514	0.486	0.011	0.014	0.445	24.899
rs78642401	PC aa C38:6	11	62422928	A/G	0.055	0.055	0.011	0.032	0.735	20.402
rs4399914	PC aa C38:6	3	81965477	C/T	0.385	0.385	0.011	0.015	0.471	24.333
rs4763440	PC aa C38:6	12	16308792	A/C	0.185	0.185	0.010	0.021	0.625	21.338
rs8136857	PC aa C38:6	22	27396038	C/T	0.445	0.445	0.010	0.015	0.522	23.990
rs11251526	PC aa C38:6	10	2858872	C/T	0.243	0.243	0.007	0.017	0.669	20.191
rs9294508	PC aa C38:6	6	92256169	T/C	0.670	0.330	0.006	0.015	0.677	20.573
rs4436414	PC aa C38:6	1	7120915	G/A	0.408	0.408	0.005	0.015	0.750	22.043

rs137878466	PC aa C38:6	3	100827337	C/T	0.011	0.011	0.004	0.073	0.952	21.930
rs60540414	PC aa C38:6	14	42726536	A/C	0.315	0.315	0.001	0.016	0.958	26.182
rs136557	PC aa C38:6	22	27258572	G/T	0.370	0.370	-0.002	0.015	0.919	24.918
rs2205171	PC aa C38:6	7	142534127	C/A	0.156	0.156	-0.003	0.020	0.877	19.805
rs10029619	PC aa C38:6	4	45024518	T/C	0.759	0.241	-0.003	0.017	0.847	19.931
rs9755750	PC aa C38:6	3	23963183	G/A	0.278	0.278	-0.006	0.016	0.710	26.142
rs113454868	PC aa C38:6	13	102657137	C/T	0.049	0.049	-0.007	0.034	0.826	21.247
rs17786402	PC aa C38:6	3	70141710	T/C	0.038	0.038	-0.008	0.038	0.843	19.564
rs148538549	PC aa C38:6	4	67076759	G/A	0.033	0.033	-0.015	0.048	0.759	20.271
rs79126855	PC aa C38:6	15	89997626	C/T	0.130	0.130	-0.017	0.023	0.468	19.720
rs631505	PC aa C38:6	6	11583741	T/G	0.082	0.082	-0.021	0.026	0.425	25.308
rs12930184	PC aa C38:6	16	61098339	C/A	0.576	0.424	-0.022	0.015	0.133	22.000
rs73156683	PC aa C38:6	7	99554472	C/A	0.088	0.088	-0.022	0.026	0.402	20.124
rs148589464	PC aa C38:6	12	113579313	C/T	0.064	0.064	-0.041	0.030	0.175	20.191
rs3784226	PC aa C38:6	14	105681602	C/T	0.051	0.051	-0.042	0.037	0.250	20.189
rs113434679	PC aa C38:6	17	44126765	C/A	0.220	0.220	-0.055	0.018	0.002	23.583
rs137878466	PC aa C40:4	3	100827337	C/T	0.011	0.011	0.170	0.074	0.022	21.930
rs116176319	PC aa C40:4	2	7130677	T/G	0.016	0.016	0.074	0.060	0.216	22.869
rs117502088	PC aa C40:4	19	32240054	G/T	0.044	0.044	0.056	0.037	0.128	19.791
rs6913885	PC aa C40:4	6	138614327	G/A	0.108	0.108	0.035	0.024	0.143	22.047
rs911112	PC aa C40:4	20	3144664	T/C	0.663	0.337	0.028	0.016	0.083	20.448
rs3784226	PC aa C40:4	14	105681602	C/T	0.051	0.051	0.021	0.038	0.569	20.189
rs28432761	PC aa C40:4	16	53823878	T/C	0.514	0.486	0.018	0.015	0.220	24.899
rs631505	PC aa C40:4	6	11583741	T/G	0.082	0.082	0.018	0.027	0.514	25.308
rs113454868	PC aa C40:4	13	102657137	C/T	0.049	0.049	0.017	0.034	0.631	21.247
rs4399914	PC aa C40:4	3	81965477	C/T	0.385	0.385	0.016	0.015	0.285	24.333
rs9294508	PC aa C40:4	6	92256169	T/C	0.670	0.330	0.016	0.016	0.308	20.573
rs136557	PC aa C40:4	22	27258572	G/T	0.370	0.370	0.012	0.015	0.413	24.918
rs10029619	PC aa C40:4	4	45024518	T/C	0.759	0.241	0.012	0.017	0.483	19.931
rs140034131	PC aa C40:4	10	130472697	T/C	0.057	0.057	0.011	0.033	0.736	21.424
rs117320788	PC aa C40:4	7	63979336	A/G	0.019	0.019	0.010	0.055	0.863	19.917
rs11678980	PC aa C40:4	2	162101261	G/A	0.464	0.464	0.007	0.015	0.639	23.372
rs4436414	PC aa C40:4	1	7120915	G/A	0.408	0.408	0.007	0.015	0.637	22.043

rs75057920	PC aa C40:4	3	64572427	A/G	0.060	0.060	0.005	0.031	0.864	20.257
rs60540414	PC aa C40:4	14	42726536	A/C	0.315	0.315	0.005	0.016	0.763	26.182
rs12930184	PC aa C40:4	16	61098339	C/A	0.576	0.424	0.004	0.015	0.801	22.000
rs11251526	PC aa C40:4	10	2858872	C/T	0.244	0.244	0.003	0.017	0.871	20.191
rs8136857	PC aa C40:4	22	27396038	C/T	0.445	0.445	0.002	0.016	0.908	23.990
rs79126855	PC aa C40:4	15	89997626	C/T	0.130	0.130	-0.001	0.023	0.963	19.720
rs2205171	PC aa C40:4	7	142534127	C/A	0.156	0.156	-0.002	0.020	0.924	19.805
rs9755750	PC aa C40:4	3	23963183	G/A	0.278	0.278	-0.002	0.016	0.881	26.142
rs12944165	PC aa C40:4	17	37347195	C/T	0.581	0.419	-0.003	0.017	0.871	26.224
rs6741354	PC aa C40:4	2	116060637	A/G	0.022	0.022	-0.010	0.053	0.848	23.235
rs73156683	PC aa C40:4	7	99554472	C/A	0.088	0.088	-0.012	0.027	0.664	20.124
rs78642401	PC aa C40:4	11	62422928	A/G	0.055	0.055	-0.017	0.033	0.604	20.402
rs4763440	PC aa C40:4	12	16308792	A/C	0.185	0.185	-0.020	0.021	0.348	21.338
rs4596239	PC aa C40:4	4	7543943	A/G	0.159	0.159	-0.021	0.020	0.293	19.717
rs17786402	PC aa C40:4	3	70141710	T/C	0.038	0.038	-0.032	0.039	0.405	19.564
rs58225638	PC aa C40:4	7	69447456	G/A	0.314	0.314	-0.034	0.016	0.031	21.057
rs113434679	PC aa C40:4	17	44126765	C/A	0.220	0.220	-0.040	0.018	0.024	23.583
rs148589464	PC aa C40:4	12	113579313	C/T	0.064	0.064	-0.043	0.030	0.160	20.191
rs148538549	PC aa C40:4	4	67076759	G/A	0.033	0.033	-0.047	0.049	0.344	20.271
rs145684467	PC aa C40:4	11	96640003	C/T	0.014	0.014	-0.053	0.064	0.410	27.787
rs3007282	PC aa C40:4	13	105873445	G/A	0.033	0.033	-0.066	0.041	0.107	19.598
rs137878466	PC aa C42:2	3	100827337	C/T	0.011	0.011	0.101	0.075	0.178	21.930
rs116176319	PC aa C42:2	2	7130677	T/G	0.016	0.016	0.038	0.061	0.538	22.869
rs6741354	PC aa C42:2	2	116060637	A/G	0.022	0.022	0.036	0.053	0.503	23.235
rs60540414	PC aa C42:2	14	42726536	A/C	0.316	0.316	0.033	0.016	0.042	26.182
rs2205171	PC aa C42:2	7	142534127	C/A	0.156	0.156	0.026	0.020	0.210	19.805
rs145684467	PC aa C42:2	11	96640003	C/T	0.013	0.013	0.023	0.065	0.719	27.787
rs28432761	PC aa C42:2	16	53823878	T/C	0.514	0.486	0.023	0.015	0.120	24.899
rs75057920	PC aa C42:2	3	64572427	A/G	0.060	0.060	0.023	0.031	0.469	20.257
rs11678980	PC aa C42:2	2	162101261	G/A	0.464	0.464	0.021	0.016	0.169	23.372
rs6913885	PC aa C42:2	6	138614327	G/A	0.108	0.108	0.020	0.024	0.409	22.047
rs4399914	PC aa C42:2	3	81965477	C/T	0.385	0.385	0.019	0.015	0.219	24.333
rs4436414	PC aa C42:2	1	7120915	G/A	0.408	0.408	0.017	0.015	0.270	22.043

rs10029619	PC aa C42:2	4	45024518	T/C	0.759	0.241	0.013	0.018	0.471	19.931
rs4763440	PC aa C42:2	12	16308792	A/C	0.186	0.186	0.009	0.021	0.684	21.338
rs8136857	PC aa C42:2	22	27396038	C/T	0.445	0.445	0.008	0.016	0.601	23.990
rs12930184	PC aa C42:2	16	61098339	C/A	0.577	0.423	0.005	0.015	0.728	22.000
rs117320788	PC aa C42:2	7	63979336	A/G	0.019	0.019	0.002	0.055	0.970	19.917
rs9755750	PC aa C42:2	3	23963183	G/A	0.279	0.279	0.000	0.016	0.995	26.142
rs140034131	PC aa C42:2	10	130472697	T/C	0.057	0.057	0.000	0.033	0.991	21.424
rs148589464	PC aa C42:2	12	113579313	C/T	0.064	0.064	-0.004	0.031	0.910	20.191
rs148538549	PC aa C42:2	4	67076759	G/A	0.032	0.032	-0.005	0.050	0.919	20.271
rs113434679	PC aa C42:2	17	44126765	C/A	0.219	0.219	-0.005	0.018	0.770	23.583
rs911112	PC aa C42:2	20	3144664	T/C	0.664	0.336	-0.006	0.016	0.725	20.448
rs9294508	PC aa C42:2	6	92256169	T/C	0.671	0.329	-0.007	0.016	0.649	20.573
rs136557	PC aa C42:2	22	27258572	G/T	0.370	0.370	-0.007	0.015	0.632	24.918
rs11251526	PC aa C42:2	10	2858872	C/T	0.244	0.244	-0.009	0.017	0.592	20.191
rs58225638	PC aa C42:2	7	69447456	G/A	0.315	0.315	-0.009	0.016	0.555	21.057
rs79126855	PC aa C42:2	15	89997626	C/T	0.130	0.130	-0.010	0.024	0.673	19.720
rs4596239	PC aa C42:2	4	7543943	A/G	0.159	0.159	-0.013	0.020	0.524	19.717
rs73156683	PC aa C42:2	7	99554472	C/A	0.088	0.088	-0.013	0.027	0.619	20.124
rs631505	PC aa C42:2	6	11583741	T/G	0.082	0.082	-0.014	0.027	0.619	25.308
rs78642401	PC aa C42:2	11	62422928	A/G	0.055	0.055	-0.017	0.033	0.596	20.402
rs17786402	PC aa C42:2	3	70141710	T/C	0.038	0.038	-0.020	0.039	0.614	19.564
rs117502088	PC aa C42:2	19	32240054	G/T	0.044	0.044	-0.026	0.037	0.487	19.791
rs3007282	PC aa C42:2	13	105873445	G/A	0.032	0.032	-0.031	0.042	0.459	19.598
rs113454868	PC aa C42:2	13	102657137	C/T	0.049	0.049	-0.040	0.035	0.250	21.247
rs12944165	PC aa C42:2	17	37347195	C/T	0.582	0.418	-0.041	0.018	0.019	26.224
rs3784226	PC aa C42:2	14	105681602	C/T	0.051	0.051	-0.068	0.038	0.072	20.189
rs6741354	PC aa C42:6	2	116060637	A/G	0.022	0.022	0.075	0.054	0.166	23.235
rs4399914	PC aa C42:6	3	81965477	C/T	0.385	0.385	0.054	0.015	0.000	24.333
rs78642401	PC aa C42:6	11	62422928	A/G	0.055	0.055	0.054	0.033	0.107	20.402
rs137878466	PC aa C42:6	3	100827337	C/T	0.012	0.012	0.044	0.076	0.557	21.930
rs17786402	PC aa C42:6	3	70141710	T/C	0.038	0.038	0.024	0.039	0.543	19.564
rs9755750	PC aa C42:6	3	23963183	G/A	0.278	0.278	0.022	0.017	0.179	26.142
rs11678980	PC aa C42:6	2	162101261	G/A	0.464	0.464	0.020	0.016	0.209	23.372

rs8136857	PC aa C42:6	22	27396038	C/T	0.445	0.445	0.017	0.016	0.299	23.990
rs79126855	PC aa C42:6	15	89997626	C/T	0.130	0.130	0.015	0.024	0.540	19.720
rs136557	PC aa C42:6	22	27258572	G/T	0.370	0.370	0.013	0.015	0.389	24.918
rs140034131	PC aa C42:6	10	130472697	T/C	0.057	0.057	0.012	0.034	0.714	21.424
rs113434679	PC aa C42:6	17	44126765	C/A	0.220	0.220	0.012	0.018	0.504	23.583
rs9111112	PC aa C42:6	20	3144664	T/C	0.663	0.337	0.012	0.016	0.483	20.448
rs12944165	PC aa C42:6	17	37347195	C/T	0.581	0.419	0.010	0.018	0.588	26.224
rs148589464	PC aa C42:6	12	113579313	C/T	0.064	0.064	0.007	0.031	0.813	20.191
rs117320788	PC aa C42:6	7	63979336	A/G	0.019	0.019	0.007	0.056	0.905	19.917
rs75057920	PC aa C42:6	3	64572427	A/G	0.060	0.060	0.006	0.032	0.845	20.257
rs10029619	PC aa C42:6	4	45024518	T/C	0.759	0.241	0.004	0.018	0.827	19.931
rs6913885	PC aa C42:6	6	138614327	G/A	0.108	0.108	0.003	0.024	0.891	22.047
rs9294508	PC aa C42:6	6	92256169	T/C	0.670	0.330	0.001	0.016	0.944	20.573
rs12930184	PC aa C42:6	16	61098339	C/A	0.576	0.424	-0.001	0.015	0.975	22.000
rs4436414	PC aa C42:6	1	7120915	G/A	0.407	0.407	-0.001	0.015	0.975	22.043
rs28432761	PC aa C42:6	16	53823878	T/C	0.514	0.486	-0.008	0.015	0.587	24.899
rs145684467	PC aa C42:6	11	96640003	C/T	0.014	0.014	-0.008	0.065	0.900	27.787
rs73156683	PC aa C42:6	7	99554472	C/A	0.087	0.087	-0.008	0.027	0.760	20.124
rs11251526	PC aa C42:6	10	2858872	C/T	0.243	0.243	-0.008	0.018	0.631	20.191
rs2205171	PC aa C42:6	7	142534127	C/A	0.156	0.156	-0.015	0.021	0.483	19.805
rs4763440	PC aa C42:6	12	16308792	A/C	0.185	0.185	-0.017	0.021	0.437	21.338
rs60540414	PC aa C42:6	14	42726536	A/C	0.315	0.315	-0.017	0.016	0.306	26.182
rs58225638	PC aa C42:6	7	69447456	G/A	0.315	0.315	-0.019	0.016	0.245	21.057
rs3007282	PC aa C42:6	13	105873445	G/A	0.032	0.032	-0.020	0.042	0.645	19.598
rs4596239	PC aa C42:6	4	7543943	A/G	0.160	0.160	-0.026	0.021	0.197	19.717
rs631505	PC aa C42:6	6	11583741	T/G	0.082	0.082	-0.031	0.027	0.253	25.308
rs117502088	PC aa C42:6	19	32240054	G/T	0.044	0.044	-0.037	0.038	0.323	19.791
rs113454868	PC aa C42:6	13	102657137	C/T	0.048	0.048	-0.039	0.035	0.271	21.247
rs3784226	PC aa C42:6	14	105681602	C/T	0.051	0.051	-0.041	0.038	0.286	20.189
rs116176319	PC aa C42:6	2	7130677	T/G	0.016	0.016	-0.048	0.061	0.437	22.869
rs148538549	PC aa C42:6	4	67076759	G/A	0.033	0.033	-0.098	0.050	0.052	20.271
rs137878466	PC ae C34:2	3	100827337	C/T	0.011	0.011	0.114	0.073	0.121	21.930
rs6741354	PC ae C34:2	2	116060637	A/G	0.022	0.022	0.098	0.052	0.059	23.235

rs3784226	PC ae C34:2	14	105681602	C/T	0.051	0.051	0.057	0.037	0.125	20.189
rs75057920	PC ae C34:2	3	64572427	A/G	0.060	0.060	0.051	0.031	0.097	20.257
rs4763440	PC ae C34:2	12	16308792	A/C	0.185	0.185	0.034	0.021	0.097	21.338
rs148538549	PC ae C34:2	4	67076759	G/A	0.033	0.033	0.031	0.049	0.527	20.271
rs140034131	PC ae C34:2	10	130472697	T/C	0.057	0.057	0.025	0.032	0.434	21.424
rs3007282	PC ae C34:2	13	105873445	G/A	0.033	0.033	0.016	0.041	0.698	19.598
rs911112	PC ae C34:2	20	3144664	T/C	0.663	0.337	0.015	0.016	0.357	20.448
rs116176319	PC ae C34:2	2	7130677	T/G	0.016	0.016	0.014	0.060	0.811	22.869
rs12930184	PC ae C34:2	16	61098339	C/A	0.576	0.424	0.014	0.015	0.340	22.000
rs145684467	PC ae C34:2	11	96640003	C/T	0.014	0.014	0.012	0.063	0.851	27.787
rs6913885	PC ae C34:2	6	138614327	G/A	0.108	0.108	0.011	0.023	0.646	22.047
rs4399914	PC ae C34:2	3	81965477	C/T	0.385	0.385	0.010	0.015	0.502	24.333
rs136557	PC ae C34:2	22	27258572	G/T	0.370	0.370	0.009	0.015	0.539	24.918
rs9755750	PC ae C34:2	3	23963183	G/A	0.278	0.278	0.008	0.016	0.640	26.142
rs10029619	PC ae C34:2	4	45024518	T/C	0.759	0.241	0.007	0.017	0.665	19.931
rs4436414	PC ae C34:2	1	7120915	G/A	0.408	0.408	0.007	0.015	0.643	22.043
rs117502088	PC ae C34:2	19	32240054	G/T	0.044	0.044	0.003	0.036	0.925	19.791
rs79126855	PC ae C34:2	15	89997626	C/T	0.130	0.130	0.003	0.023	0.893	19.720
rs78642401	PC ae C34:2	11	62422928	A/G	0.055	0.055	0.003	0.032	0.930	20.402
rs12944165	PC ae C34:2	17	37347195	C/T	0.582	0.418	0.003	0.017	0.885	26.224
rs11678980	PC ae C34:2	2	162101261	G/A	0.464	0.464	0.001	0.015	0.945	23.372
rs113434679	PC ae C34:2	17	44126765	C/A	0.220	0.220	-0.004	0.018	0.842	23.583
rs148589464	PC ae C34:2	12	113579313	C/T	0.064	0.064	-0.005	0.030	0.862	20.191
rs73156683	PC ae C34:2	7	99554472	C/A	0.088	0.088	-0.007	0.026	0.791	20.124
rs2205171	PC ae C34:2	7	142534127	C/A	0.156	0.156	-0.008	0.020	0.677	19.805
rs58225638	PC ae C34:2	7	69447456	G/A	0.315	0.315	-0.009	0.016	0.570	21.057
rs8136857	PC ae C34:2	22	27396038	C/T	0.445	0.445	-0.009	0.015	0.544	23.990
rs11251526	PC ae C34:2	10	2858872	C/T	0.243	0.243	-0.012	0.017	0.478	20.191
rs113454868	PC ae C34:2	13	102657137	C/T	0.049	0.049	-0.016	0.034	0.646	21.247
rs9294508	PC ae C34:2	6	92256169	T/C	0.670	0.330	-0.016	0.015	0.310	20.573
rs28432761	PC ae C34:2	16	53823878	T/C	0.514	0.486	-0.019	0.014	0.188	24.899
rs4596239	PC ae C34:2	4	7543943	A/G	0.159	0.159	-0.019	0.020	0.339	19.717
rs60540414	PC ae C34:2	14	42726536	A/C	0.315	0.315	-0.021	0.016	0.183	26.182

rs117320788	PC ae C34:2	7	63979336	A/G	0.019	0.019	-0.025	0.054	0.648	19.917
rs631505	PC ae C34:2	6	11583741	T/G	0.082	0.082	-0.026	0.027	0.334	25.308
rs17786402	PC ae C34:2	3	70141710	T/C	0.038	0.038	-0.053	0.038	0.169	19.564
rs6741354	PC ae C36:2	2	116060637	A/G	0.022	0.022	0.122	0.052	0.018	23.235
rs140034131	PC ae C36:2	10	130472697	T/C	0.057	0.057	0.051	0.032	0.114	21.424
rs4763440	PC ae C36:2	12	16308792	A/C	0.185	0.185	0.049	0.021	0.018	21.338
rs137878466	PC ae C36:2	3	100827337	C/T	0.011	0.011	0.038	0.073	0.602	21.930
rs117502088	PC ae C36:2	19	32240054	G/T	0.044	0.044	0.037	0.036	0.309	19.791
rs75057920	PC ae C36:2	3	64572427	A/G	0.060	0.060	0.029	0.031	0.340	20.257
rs3784226	PC ae C36:2	14	105681602	C/T	0.051	0.051	0.020	0.037	0.585	20.189
rs117320788	PC ae C36:2	7	63979336	A/G	0.019	0.019	0.019	0.054	0.727	19.917
rs136557	PC ae C36:2	22	27258572	G/T	0.370	0.370	0.014	0.015	0.332	24.918
rs911112	PC ae C36:2	20	3144664	T/C	0.663	0.337	0.013	0.016	0.407	20.448
rs2205171	PC ae C36:2	7	142534127	C/A	0.156	0.156	0.013	0.020	0.527	19.805
rs145684467	PC ae C36:2	11	96640003	C/T	0.014	0.014	0.011	0.063	0.856	27.787
rs10029619	PC ae C36:2	4	45024518	T/C	0.759	0.241	0.011	0.017	0.515	19.931
rs4399914	PC ae C36:2	3	81965477	C/T	0.385	0.385	0.009	0.015	0.544	24.333
rs6913885	PC ae C36:2	6	138614327	G/A	0.108	0.108	0.007	0.023	0.771	22.047
rs113434679	PC ae C36:2	17	44126765	C/A	0.220	0.220	0.006	0.018	0.714	23.583
rs631505	PC ae C36:2	6	11583741	T/G	0.082	0.082	0.006	0.027	0.831	25.308
rs8136857	PC ae C36:2	22	27396038	C/T	0.445	0.445	0.005	0.015	0.750	23.990
rs11678980	PC ae C36:2	2	162101261	G/A	0.464	0.464	0.004	0.015	0.781	23.372
rs3007282	PC ae C36:2	13	105873445	G/A	0.033	0.033	0.004	0.041	0.931	19.598
rs79126855	PC ae C36:2	15	89997626	C/T	0.130	0.130	0.002	0.023	0.916	19.720
rs4436414	PC ae C36:2	1	7120915	G/A	0.408	0.408	0.002	0.015	0.898	22.043
rs12944165	PC ae C36:2	17	37347195	C/T	0.582	0.418	0.001	0.017	0.935	26.224
rs11251526	PC ae C36:2	10	2858872	C/T	0.243	0.243	0.001	0.017	0.943	20.191
rs116176319	PC ae C36:2	2	7130677	T/G	0.016	0.016	0.001	0.059	0.992	22.869
rs148589464	PC ae C36:2	12	113579313	C/T	0.064	0.064	-0.002	0.030	0.956	20.191
rs9755750	PC ae C36:2	3	23963183	G/A	0.278	0.278	-0.002	0.016	0.893	26.142
rs4596239	PC ae C36:2	4	7543943	A/G	0.159	0.159	-0.007	0.020	0.733	19.717
rs113454868	PC ae C36:2	13	102657137	C/T	0.049	0.049	-0.007	0.034	0.836	21.247
rs12930184	PC ae C36:2	16	61098339	C/A	0.576	0.424	-0.012	0.015	0.411	22.000

rs58225638	PC ae C36:2	7	69447456	G/A	0.315	0.315	-0.012	0.016	0.433	21.057
rs28432761	PC ae C36:2	16	53823878	T/C	0.514	0.486	-0.014	0.014	0.314	24.899
rs78642401	PC ae C36:2	11	62422928	A/G	0.055	0.055	-0.015	0.032	0.637	20.402
rs148538549	PC ae C36:2	4	67076759	G/A	0.033	0.033	-0.016	0.049	0.746	20.271
rs9294508	PC ae C36:2	6	92256169	T/C	0.670	0.330	-0.016	0.015	0.295	20.573
rs73156683	PC ae C36:2	7	99554472	C/A	0.088	0.088	-0.022	0.026	0.404	20.124
rs60540414	PC ae C36:2	14	42726536	A/C	0.315	0.315	-0.029	0.016	0.061	26.182
rs17786402	PC ae C36:2	3	70141710	T/C	0.038	0.038	-0.032	0.038	0.399	19.564
rs117502088	PC ae C40:5	19	32240054	G/T	0.044	0.044	0.075	0.037	0.040	19.791
rs75057920	PC ae C40:5	3	64572427	A/G	0.060	0.060	0.069	0.031	0.026	20.257
rs117320788	PC ae C40:5	7	63979336	A/G	0.019	0.019	0.062	0.055	0.256	19.917
rs145684467	PC ae C40:5	11	96640003	C/T	0.014	0.014	0.052	0.063	0.408	27.787
rs6741354	PC ae C40:5	2	116060637	A/G	0.022	0.022	0.042	0.052	0.428	23.235
rs4596239	PC ae C40:5	4	7543943	A/G	0.159	0.159	0.033	0.020	0.100	19.717
rs140034131	PC ae C40:5	10	130472697	T/C	0.057	0.057	0.028	0.033	0.387	21.424
rs78642401	PC ae C40:5	11	62422928	A/G	0.055	0.055	0.025	0.032	0.433	20.402
rs17786402	PC ae C40:5	3	70141710	T/C	0.038	0.038	0.025	0.038	0.518	19.564
rs4399914	PC ae C40:5	3	81965477	C/T	0.385	0.385	0.022	0.015	0.150	24.333
rs12944165	PC ae C40:5	17	37347195	C/T	0.582	0.418	0.020	0.017	0.245	26.224
rs11678980	PC ae C40:5	2	162101261	G/A	0.464	0.464	0.019	0.015	0.211	23.372
rs113454868	PC ae C40:5	13	102657137	C/T	0.049	0.049	0.013	0.034	0.708	21.247
rs6913885	PC ae C40:5	6	138614327	G/A	0.108	0.108	0.011	0.024	0.636	22.047
rs148538549	PC ae C40:5	4	67076759	G/A	0.033	0.033	0.011	0.049	0.828	20.271
rs3784226	PC ae C40:5	14	105681602	C/T	0.051	0.051	0.009	0.037	0.801	20.189
rs11251526	PC ae C40:5	10	2858872	C/T	0.244	0.244	0.006	0.017	0.713	20.191
rs8136857	PC ae C40:5	22	27396038	C/T	0.445	0.445	0.006	0.016	0.688	23.990
rs12930184	PC ae C40:5	16	61098339	C/A	0.576	0.424	0.005	0.015	0.710	22.000
rs4436414	PC ae C40:5	1	7120915	G/A	0.408	0.408	0.004	0.015	0.809	22.043
rs137878466	PC ae C40:5	3	100827337	C/T	0.011	0.011	0.002	0.074	0.980	21.930
rs60540414	PC ae C40:5	14	42726536	A/C	0.315	0.315	0.002	0.016	0.920	26.182
rs9294508	PC ae C40:5	6	92256169	T/C	0.670	0.330	0.001	0.016	0.954	20.573
rs9755750	PC ae C40:5	3	23963183	G/A	0.278	0.278	-0.001	0.016	0.957	26.142
rs911112	PC ae C40:5	20	3144664	T/C	0.663	0.337	-0.004	0.016	0.795	20.448

rs136557	PC ae C40:5	22	27258572	G/T	0.370	0.370	-0.009	0.015	0.562	24.918
rs79126855	PC ae C40:5	15	89997626	C/T	0.130	0.130	-0.010	0.023	0.683	19.720
rs631505	PC ae C40:5	6	11583741	T/G	0.082	0.082	-0.010	0.027	0.720	25.308
rs4763440	PC ae C40:5	12	16308792	A/C	0.185	0.185	-0.010	0.021	0.620	21.338
rs3007282	PC ae C40:5	13	105873445	G/A	0.033	0.033	-0.012	0.041	0.776	19.598
rs28432761	PC ae C40:5	16	53823878	T/C	0.514	0.486	-0.012	0.015	0.410	24.899
rs58225638	PC ae C40:5	7	69447456	G/A	0.315	0.315	-0.013	0.016	0.405	21.057
rs10029619	PC ae C40:5	4	45024518	T/C	0.759	0.241	-0.014	0.017	0.428	19.931
rs2205171	PC ae C40:5	7	142534127	C/A	0.156	0.156	-0.016	0.020	0.426	19.805
rs113434679	PC ae C40:5	17	44126765	C/A	0.220	0.220	-0.024	0.018	0.181	23.583
rs148589464	PC ae C40:5	12	113579313	C/T	0.064	0.064	-0.027	0.030	0.368	20.191
rs116176319	PC ae C40:5	2	7130677	T/G	0.016	0.016	-0.031	0.060	0.600	22.869
rs73156683	PC ae C40:5	7	99554472	C/A	0.088	0.088	-0.047	0.026	0.073	20.124
rs137878466	PC ae C40:6	3	100827337	C/T	0.011	0.011	0.068	0.073	0.350	21.930
rs6741354	PC ae C40:6	2	116060637	A/G	0.022	0.022	0.066	0.052	0.201	23.235
rs75057920	PC ae C40:6	3	64572427	A/G	0.060	0.060	0.056	0.031	0.069	20.257
rs140034131	PC ae C40:6	10	130472697	T/C	0.057	0.057	0.053	0.032	0.100	21.424
rs3007282	PC ae C40:6	13	105873445	G/A	0.033	0.033	0.049	0.041	0.233	19.598
rs11678980	PC ae C40:6	2	162101261	G/A	0.464	0.464	0.035	0.015	0.021	23.372
rs4596239	PC ae C40:6	4	7543943	A/G	0.159	0.159	0.027	0.020	0.170	19.717
rs911112	PC ae C40:6	20	3144664	T/C	0.663	0.337	0.026	0.016	0.095	20.448
rs12944165	PC ae C40:6	17	37347195	C/T	0.582	0.418	0.025	0.017	0.141	26.224
rs117502088	PC ae C40:6	19	32240054	G/T	0.044	0.044	0.022	0.036	0.550	19.791
rs117320788	PC ae C40:6	7	63979336	A/G	0.019	0.019	0.018	0.054	0.738	19.917
rs4763440	PC ae C40:6	12	16308792	A/C	0.185	0.185	0.015	0.021	0.462	21.338
rs8136857	PC ae C40:6	22	27396038	C/T	0.445	0.445	0.015	0.015	0.324	23.990
rs4399914	PC ae C40:6	3	81965477	C/T	0.385	0.385	0.014	0.015	0.342	24.333
rs6913885	PC ae C40:6	6	138614327	G/A	0.108	0.108	0.014	0.023	0.559	22.047
rs136557	PC ae C40:6	22	27258572	G/T	0.370	0.370	0.013	0.015	0.388	24.918
rs145684467	PC ae C40:6	11	96640003	C/T	0.014	0.014	0.011	0.063	0.863	27.787
rs9294508	PC ae C40:6	6	92256169	T/C	0.670	0.330	0.006	0.015	0.711	20.573
rs10029619	PC ae C40:6	4	45024518	T/C	0.759	0.241	0.004	0.017	0.794	19.931
rs2205171	PC ae C40:6	7	142534127	C/A	0.156	0.156	0.004	0.020	0.833	19.805

rs4436414	PC ae C40:6	1	7120915	G/A	0.408	0.408	0.004	0.015	0.772	22.043
rs631505	PC ae C40:6	6	11583741	T/G	0.082	0.082	0.002	0.026	0.938	25.308
rs28432761	PC ae C40:6	16	53823878	T/C	0.514	0.486	0.002	0.014	0.906	24.899
rs58225638	PC ae C40:6	7	69447456	G/A	0.315	0.315	0.001	0.016	0.974	21.057
rs79126855	PC ae C40:6	15	89997626	C/T	0.130	0.130	-0.006	0.023	0.782	19.720
rs12930184	PC ae C40:6	16	61098339	C/A	0.576	0.424	-0.007	0.015	0.654	22.000
rs78642401	PC ae C40:6	11	62422928	A/G	0.055	0.055	-0.007	0.032	0.825	20.402
rs11251526	PC ae C40:6	10	2858872	C/T	0.244	0.244	-0.009	0.017	0.585	20.191
rs9755750	PC ae C40:6	3	23963183	G/A	0.278	0.278	-0.011	0.016	0.493	26.142
rs3784226	PC ae C40:6	14	105681602	C/T	0.051	0.051	-0.014	0.037	0.709	20.189
rs116176319	PC ae C40:6	2	7130677	T/G	0.016	0.016	-0.014	0.059	0.813	22.869
rs113434679	PC ae C40:6	17	44126765	C/A	0.220	0.220	-0.025	0.018	0.150	23.583
rs60540414	PC ae C40:6	14	42726536	A/C	0.315	0.315	-0.028	0.016	0.076	26.182
rs73156683	PC ae C40:6	7	99554472	C/A	0.088	0.088	-0.032	0.026	0.222	20.124
rs113454868	PC ae C40:6	13	102657137	C/T	0.049	0.049	-0.034	0.034	0.310	21.247
rs17786402	PC ae C40:6	3	70141710	T/C	0.038	0.038	-0.035	0.038	0.360	19.564
rs148589464	PC ae C40:6	12	113579313	C/T	0.064	0.064	-0.037	0.030	0.221	20.191
rs148538549	PC ae C40:6	4	67076759	G/A	0.033	0.033	-0.055	0.049	0.255	20.271
rs137878466	SM C20:2	3	100827337	C/T	0.011	0.011	0.052	0.073	0.477	21.930
rs117320788	SM C20:2	7	63979336	A/G	0.019	0.019	0.036	0.054	0.502	19.917
rs75057920	SM C20:2	3	64572427	A/G	0.060	0.060	0.034	0.030	0.271	20.257
rs11678980	SM C20:2	2	162101261	G/A	0.464	0.464	0.033	0.015	0.027	23.372
rs6913885	SM C20:2	6	138614327	G/A	0.108	0.108	0.031	0.023	0.177	22.047
rs4596239	SM C20:2	4	7543943	A/G	0.160	0.160	0.023	0.020	0.240	19.717
rs113454868	SM C20:2	13	102657137	C/T	0.048	0.048	0.023	0.034	0.498	21.247
rs73156683	SM C20:2	7	99554472	C/A	0.088	0.088	0.019	0.026	0.462	20.124
rs3007282	SM C20:2	13	105873445	G/A	0.033	0.033	0.017	0.040	0.670	19.598
rs148589464	SM C20:2	12	113579313	C/T	0.065	0.065	0.016	0.030	0.601	20.191
rs113434679	SM C20:2	17	44126765	C/A	0.220	0.220	0.015	0.017	0.384	23.583
rs4763440	SM C20:2	12	16308792	A/C	0.185	0.185	0.014	0.021	0.484	21.338
rs60540414	SM C20:2	14	42726536	A/C	0.315	0.315	0.009	0.016	0.574	26.182
rs12930184	SM C20:2	16	61098339	C/A	0.576	0.424	0.009	0.014	0.546	22.000
rs79126855	SM C20:2	15	89997626	C/T	0.129	0.129	0.008	0.023	0.737	19.720

rs8136857	SM C20:2	22	27396038	C/T	0.444	0.444	0.003	0.015	0.832	23.990
rs145684467	SM C20:2	11	96640003	C/T	0.013	0.013	0.000	0.063	0.997	27.787
rs9111112	SM C20:2	20	3144664	T/C	0.663	0.337	0.000	0.016	0.987	20.448
rs9294508	SM C20:2	6	92256169	T/C	0.670	0.330	0.000	0.015	0.986	20.573
rs12944165	SM C20:2	17	37347195	C/T	0.582	0.418	-0.002	0.017	0.896	26.224
rs4399914	SM C20:2	3	81965477	C/T	0.385	0.385	-0.002	0.015	0.875	24.333
rs3784226	SM C20:2	14	105681602	C/T	0.051	0.051	-0.004	0.037	0.923	20.189
rs117502088	SM C20:2	19	32240054	G/T	0.044	0.044	-0.004	0.036	0.919	19.791
rs11251526	SM C20:2	10	2858872	C/T	0.243	0.243	-0.005	0.017	0.776	20.191
rs9755750	SM C20:2	3	23963183	G/A	0.278	0.278	-0.006	0.016	0.727	26.142
rs116176319	SM C20:2	2	7130677	T/G	0.016	0.016	-0.007	0.059	0.911	22.869
rs4436414	SM C20:2	1	7120915	G/A	0.407	0.407	-0.007	0.015	0.641	22.043
rs17786402	SM C20:2	3	70141710	T/C	0.038	0.038	-0.009	0.038	0.814	19.564
rs10029619	SM C20:2	4	45024518	T/C	0.759	0.241	-0.009	0.017	0.595	19.931
rs28432761	SM C20:2	16	53823878	T/C	0.515	0.485	-0.017	0.014	0.246	24.899
rs140034131	SM C20:2	10	130472697	T/C	0.057	0.057	-0.023	0.032	0.471	21.424
rs2205171	SM C20:2	7	142534127	C/A	0.156	0.156	-0.029	0.020	0.150	19.805
rs136557	SM C20:2	22	27258572	G/T	0.369	0.369	-0.031	0.015	0.038	24.918
rs58225638	SM C20:2	7	69447456	G/A	0.314	0.314	-0.037	0.015	0.016	21.057
rs148538549	SM C20:2	4	67076759	G/A	0.033	0.033	-0.049	0.048	0.306	20.271
rs6741354	SM C20:2	2	116060637	A/G	0.022	0.022	-0.053	0.051	0.301	23.235
rs78642401	SM C20:2	11	62422928	A/G	0.055	0.055	-0.055	0.032	0.085	20.402
rs631505	SM C20:2	6	11583741	T/G	0.082	0.082	-0.066	0.026	0.012	25.308
rs117320788	SM C24:0	7	63979336	A/G	0.019	0.019	0.093	0.055	0.087	19.917
rs75057920	SM C24:0	3	64572427	A/G	0.060	0.060	0.086	0.031	0.006	20.257
rs117502088	SM C24:0	19	32240054	G/T	0.044	0.044	0.058	0.037	0.117	19.791
rs137878466	SM C24:0	3	100827337	C/T	0.011	0.011	0.048	0.074	0.516	21.930
rs116176319	SM C24:0	2	7130677	T/G	0.016	0.016	0.029	0.060	0.634	22.869
rs6913885	SM C24:0	6	138614327	G/A	0.108	0.108	0.023	0.024	0.342	22.047
rs3784226	SM C24:0	14	105681602	C/T	0.051	0.051	0.017	0.037	0.654	20.189
rs12930184	SM C24:0	16	61098339	C/A	0.576	0.424	0.012	0.015	0.423	22.000
rs4763440	SM C24:0	12	16308792	A/C	0.185	0.185	0.011	0.021	0.589	21.338
rs28432761	SM C24:0	16	53823878	T/C	0.514	0.486	0.004	0.015	0.797	24.899

rs140034131	SM C24:0	10	130472697	T/C	0.057	0.057	0.002	0.033	0.954	21.424
rs9294508	SM C24:0	6	92256169	T/C	0.670	0.330	0.001	0.016	0.949	20.573
rs4399914	SM C24:0	3	81965477	C/T	0.385	0.385	0.001	0.015	0.968	24.333
rs60540414	SM C24:0	14	42726536	A/C	0.315	0.315	-0.001	0.016	0.975	26.182
rs4436414	SM C24:0	1	7120915	G/A	0.408	0.408	-0.001	0.015	0.945	22.043
rs11678980	SM C24:0	2	162101261	G/A	0.464	0.464	-0.001	0.015	0.934	23.372
rs113434679	SM C24:0	17	44126765	C/A	0.220	0.220	-0.002	0.018	0.899	23.583
rs9111112	SM C24:0	20	3144664	T/C	0.663	0.337	-0.003	0.016	0.858	20.448
rs4596239	SM C24:0	4	7543943	A/G	0.159	0.159	-0.004	0.020	0.839	19.717
rs8136857	SM C24:0	22	27396038	C/T	0.445	0.445	-0.005	0.016	0.758	23.990
rs11251526	SM C24:0	10	2858872	C/T	0.243	0.243	-0.009	0.017	0.611	20.191
rs145684467	SM C24:0	11	96640003	C/T	0.014	0.014	-0.009	0.064	0.890	27.787
rs58225638	SM C24:0	7	69447456	G/A	0.315	0.315	-0.010	0.016	0.543	21.057
rs136557	SM C24:0	22	27258572	G/T	0.370	0.370	-0.014	0.015	0.358	24.918
rs148589464	SM C24:0	12	113579313	C/T	0.064	0.064	-0.015	0.030	0.619	20.191
rs113454868	SM C24:0	13	102657137	C/T	0.049	0.049	-0.017	0.034	0.630	21.247
rs10029619	SM C24:0	4	45024518	T/C	0.759	0.241	-0.019	0.017	0.283	19.931
rs12944165	SM C24:0	17	37347195	C/T	0.582	0.418	-0.020	0.017	0.255	26.224
rs73156683	SM C24:0	7	99554472	C/A	0.088	0.088	-0.021	0.027	0.435	20.124
rs2205171	SM C24:0	7	142534127	C/A	0.156	0.156	-0.022	0.020	0.287	19.805
rs148538549	SM C24:0	4	67076759	G/A	0.033	0.033	-0.022	0.049	0.661	20.271
rs3007282	SM C24:0	13	105873445	G/A	0.033	0.033	-0.023	0.041	0.579	19.598
rs9755750	SM C24:0	3	23963183	G/A	0.278	0.278	-0.026	0.016	0.110	26.142
rs79126855	SM C24:0	15	89997626	C/T	0.130	0.130	-0.035	0.023	0.133	19.720
rs17786402	SM C24:0	3	70141710	T/C	0.038	0.038	-0.040	0.039	0.299	19.564
rs6741354	SM C24:0	2	116060637	A/G	0.022	0.022	-0.042	0.052	0.426	23.235
rs78642401	SM C24:0	11	62422928	A/G	0.055	0.055	-0.054	0.033	0.098	20.402
rs631505	SM C24:0	6	11583741	T/G	0.082	0.082	-0.070	0.027	0.009	25.308
rs137878466	lysoPC a C20:4	3	100827337	C/T	0.011	0.011	0.079	0.071	0.266	21.930
rs145684467	lysoPC a C20:4	11	96640003	C/T	0.014	0.014	0.068	0.060	0.257	27.787
rs117502088	lysoPC a C20:4	19	32240054	G/T	0.044	0.044	0.035	0.035	0.319	19.791
rs6913885	lysoPC a C20:4	6	138614327	G/A	0.108	0.108	0.032	0.023	0.159	22.047
rs140034131	lysoPC a C20:4	10	130472697	T/C	0.057	0.057	0.031	0.031	0.328	21.424

rs4399914	lysoPC a C20:4	3	81965477	C/T	0.385	0.385	0.030	0.014	0.039	24.333
rs136557	lysoPC a C20:4	22	27258572	G/T	0.370	0.370	0.024	0.014	0.094	24.918
rs631505	lysoPC a C20:4	6	11583741	T/G	0.082	0.082	0.021	0.026	0.404	25.308
rs79126855	lysoPC a C20:4	15	89997626	C/T	0.130	0.130	0.021	0.022	0.343	19.720
rs6741354	lysoPC a C20:4	2	116060637	A/G	0.022	0.022	0.021	0.050	0.678	23.235
rs4596239	lysoPC a C20:4	4	7543943	A/G	0.159	0.159	0.020	0.019	0.302	19.717
rs8136857	lysoPC a C20:4	22	27396038	C/T	0.445	0.445	0.020	0.015	0.187	23.990
rs11251526	lysoPC a C20:4	10	2858872	C/T	0.243	0.243	0.019	0.016	0.257	20.191
rs117320788	lysoPC a C20:4	7	63979336	A/G	0.019	0.019	0.016	0.052	0.764	19.917
rs113454868	lysoPC a C20:4	13	102657137	C/T	0.049	0.049	0.015	0.033	0.643	21.247
rs9755750	lysoPC a C20:4	3	23963183	G/A	0.278	0.278	0.013	0.016	0.394	26.142
rs4436414	lysoPC a C20:4	1	7120915	G/A	0.408	0.408	0.013	0.014	0.367	22.043
rs11678980	lysoPC a C20:4	2	162101261	G/A	0.464	0.464	0.013	0.015	0.391	23.372
rs148538549	lysoPC a C20:4	4	67076759	G/A	0.033	0.033	0.012	0.047	0.807	20.271
rs75057920	lysoPC a C20:4	3	64572427	A/G	0.060	0.060	0.011	0.030	0.716	20.257
rs78642401	lysoPC a C20:4	11	62422928	A/G	0.055	0.055	0.008	0.031	0.790	20.402
rs911112	lysoPC a C20:4	20	3144664	T/C	0.663	0.337	0.003	0.015	0.842	20.448
rs4763440	lysoPC a C20:4	12	16308792	A/C	0.185	0.185	0.002	0.020	0.924	21.338
rs12944165	lysoPC a C20:4	17	37347195	C/T	0.582	0.418	0.000	0.017	0.982	26.224
rs12930184	lysoPC a C20:4	16	61098339	C/A	0.576	0.424	-0.001	0.014	0.928	22.000
rs3007282	lysoPC a C20:4	13	105873445	G/A	0.033	0.033	-0.003	0.039	0.934	19.598
rs10029619	lysoPC a C20:4	4	45024518	T/C	0.759	0.241	-0.004	0.017	0.807	19.931
rs2205171	lysoPC a C20:4	7	142534127	C/A	0.156	0.156	-0.006	0.019	0.776	19.805
rs3784226	lysoPC a C20:4	14	105681602	C/T	0.051	0.051	-0.009	0.036	0.793	20.189
rs113434679	lysoPC a C20:4	17	44126765	C/A	0.220	0.220	-0.010	0.017	0.575	23.583
rs9294508	lysoPC a C20:4	6	92256169	T/C	0.670	0.330	-0.013	0.015	0.392	20.573
rs60540414	lysoPC a C20:4	14	42726536	A/C	0.315	0.315	-0.016	0.015	0.300	26.182
rs17786402	lysoPC a C20:4	3	70141710	T/C	0.038	0.038	-0.018	0.037	0.630	19.564
rs58225638	lysoPC a C20:4	7	69447456	G/A	0.315	0.315	-0.018	0.015	0.221	21.057
rs116176319	lysoPC a C20:4	2	7130677	T/G	0.016	0.016	-0.019	0.057	0.737	22.869
rs148589464	lysoPC a C20:4	12	113579313	C/T	0.064	0.064	-0.020	0.029	0.486	20.191
rs28432761	lysoPC a C20:4	16	53823878	T/C	0.514	0.486	-0.027	0.014	0.049	24.899
rs73156683	lysoPC a C20:4	7	99554472	C/A	0.088	0.088	-0.071	0.025	0.005	20.124

rs137878466	lysoPC a C26:0	3	100827337	C/T	0.011	0.011	0.102	0.075	0.175	21.930
rs117502088	lysoPC a C26:0	19	32240054	G/T	0.044	0.044	0.072	0.037	0.053	19.791
rs116176319	lysoPC a C26:0	2	7130677	T/G	0.016	0.016	0.070	0.061	0.247	22.869
rs17786402	lysoPC a C26:0	3	70141710	T/C	0.038	0.038	0.060	0.039	0.122	19.564
rs6741354	lysoPC a C26:0	2	116060637	A/G	0.022	0.022	0.046	0.053	0.384	23.235
rs631505	lysoPC a C26:0	6	11583741	T/G	0.082	0.082	0.038	0.027	0.157	25.308
rs4399914	lysoPC a C26:0	3	81965477	C/T	0.385	0.385	0.036	0.015	0.018	24.333
rs60540414	lysoPC a C26:0	14	42726536	A/C	0.315	0.315	0.030	0.016	0.059	26.182
rs113434679	lysoPC a C26:0	17	44126765	C/A	0.220	0.220	0.024	0.018	0.187	23.583
rs113454868	lysoPC a C26:0	13	102657137	C/T	0.049	0.049	0.019	0.035	0.584	21.247
rs148589464	lysoPC a C26:0	12	113579313	C/T	0.064	0.064	0.018	0.031	0.557	20.191
rs6913885	lysoPC a C26:0	6	138614327	G/A	0.108	0.108	0.016	0.024	0.494	22.047
rs4763440	lysoPC a C26:0	12	16308792	A/C	0.185	0.185	0.011	0.021	0.599	21.338
rs4436414	lysoPC a C26:0	1	7120915	G/A	0.408	0.408	0.008	0.015	0.611	22.043
rs11678980	lysoPC a C26:0	2	162101261	G/A	0.464	0.464	0.008	0.016	0.627	23.372
rs2205171	lysoPC a C26:0	7	142534127	C/A	0.156	0.156	0.006	0.020	0.752	19.805
rs3784226	lysoPC a C26:0	14	105681602	C/T	0.051	0.051	0.006	0.038	0.877	20.189
rs28432761	lysoPC a C26:0	16	53823878	T/C	0.514	0.486	0.004	0.015	0.792	24.899
rs4596239	lysoPC a C26:0	4	7543943	A/G	0.159	0.159	0.003	0.020	0.869	19.717
rs9755750	lysoPC a C26:0	3	23963183	G/A	0.278	0.278	0.001	0.016	0.954	26.142
rs136557	lysoPC a C26:0	22	27258572	G/T	0.370	0.370	0.001	0.015	0.968	24.918
rs79126855	lysoPC a C26:0	15	89997626	C/T	0.130	0.130	-0.001	0.024	0.976	19.720
rs9111112	lysoPC a C26:0	20	3144664	T/C	0.663	0.337	-0.004	0.016	0.785	20.448
rs10029619	lysoPC a C26:0	4	45024518	T/C	0.759	0.241	-0.009	0.017	0.611	19.931
rs8136857	lysoPC a C26:0	22	27396038	C/T	0.445	0.445	-0.013	0.016	0.401	23.990
rs9294508	lysoPC a C26:0	6	92256169	T/C	0.670	0.330	-0.014	0.016	0.376	20.573
rs12930184	lysoPC a C26:0	16	61098339	C/A	0.576	0.424	-0.017	0.015	0.248	22.000
rs140034131	lysoPC a C26:0	10	130472697	T/C	0.057	0.057	-0.020	0.033	0.536	21.424
rs58225638	lysoPC a C26:0	7	69447456	G/A	0.315	0.315	-0.021	0.016	0.197	21.057
rs11251526	lysoPC a C26:0	10	2858872	C/T	0.243	0.243	-0.024	0.017	0.164	20.191
rs12944165	lysoPC a C26:0	17	37347195	C/T	0.582	0.418	-0.025	0.017	0.160	26.224
rs78642401	lysoPC a C26:0	11	62422928	A/G	0.055	0.055	-0.029	0.033	0.370	20.402
rs75057920	lysoPC a C26:0	3	64572427	A/G	0.060	0.060	-0.034	0.031	0.273	20.257

rs73156683	lysoPC a C26:0	7	99554472	C/A	0.088	0.088	-0.043	0.027	0.110	20.124
rs145684467	lysoPC a C26:0	11	96640003	C/T	0.014	0.014	-0.047	0.064	0.461	27.787
rs148538549	lysoPC a C26:0	4	67076759	G/A	0.033	0.033	-0.068	0.050	0.168	20.271
rs117320788	lysoPC a C26:0	7	63979336	A/G	0.019	0.019	-0.073	0.055	0.188	19.917
rs3007282	lysoPC a C26:0	13	105873445	G/A	0.033	0.033	-0.078	0.042	0.060	19.598
rs116176319	lysoPC a C28:1	2	7130677	T/G	0.016	0.016	0.060	0.060	0.322	22.869
rs117502088	lysoPC a C28:1	19	32240054	G/T	0.044	0.044	0.058	0.037	0.113	19.791
rs137878466	lysoPC a C28:1	3	100827337	C/T	0.011	0.011	0.052	0.075	0.487	21.930
rs6741354	lysoPC a C28:1	2	116060637	A/G	0.022	0.022	0.045	0.053	0.389	23.235
rs4399914	lysoPC a C28:1	3	81965477	C/T	0.385	0.385	0.036	0.015	0.016	24.333
rs17786402	lysoPC a C28:1	3	70141710	T/C	0.038	0.038	0.034	0.039	0.385	19.564
rs113434679	lysoPC a C28:1	17	44126765	C/A	0.220	0.220	0.025	0.018	0.154	23.583
rs6913885	lysoPC a C28:1	6	138614327	G/A	0.108	0.108	0.021	0.024	0.381	22.047
rs11678980	lysoPC a C28:1	2	162101261	G/A	0.464	0.464	0.019	0.016	0.226	23.372
rs631505	lysoPC a C28:1	6	11583741	T/G	0.082	0.082	0.017	0.027	0.521	25.308
rs136557	lysoPC a C28:1	22	27258572	G/T	0.370	0.370	0.017	0.015	0.273	24.918
rs140034131	lysoPC a C28:1	10	130472697	T/C	0.057	0.057	0.014	0.033	0.670	21.424
rs4436414	lysoPC a C28:1	1	7120915	G/A	0.408	0.408	0.014	0.015	0.349	22.043
rs4763440	lysoPC a C28:1	12	16308792	A/C	0.185	0.185	0.012	0.021	0.555	21.338
rs9755750	lysoPC a C28:1	3	23963183	G/A	0.278	0.278	0.008	0.016	0.626	26.142
rs79126855	lysoPC a C28:1	15	89997626	C/T	0.130	0.130	0.007	0.023	0.755	19.720
rs4596239	lysoPC a C28:1	4	7543943	A/G	0.159	0.159	0.004	0.020	0.832	19.717
rs60540414	lysoPC a C28:1	14	42726536	A/C	0.315	0.315	0.004	0.016	0.793	26.182
rs9294508	lysoPC a C28:1	6	92256169	T/C	0.670	0.330	0.003	0.016	0.843	20.573
rs148589464	lysoPC a C28:1	12	113579313	C/T	0.064	0.064	0.003	0.031	0.923	20.191
rs117320788	lysoPC a C28:1	7	63979336	A/G	0.019	0.019	0.001	0.055	0.986	19.917
rs911112	lysoPC a C28:1	20	3144664	T/C	0.663	0.337	0.001	0.016	0.961	20.448
rs2205171	lysoPC a C28:1	7	142534127	C/A	0.156	0.156	0.001	0.020	0.974	19.805
rs3784226	lysoPC a C28:1	14	105681602	C/T	0.051	0.051	-0.001	0.038	0.981	20.189
rs8136857	lysoPC a C28:1	22	27396038	C/T	0.445	0.445	-0.006	0.016	0.719	23.990
rs10029619	lysoPC a C28:1	4	45024518	T/C	0.759	0.241	-0.006	0.017	0.744	19.931
rs28432761	lysoPC a C28:1	16	53823878	T/C	0.514	0.486	-0.006	0.015	0.678	24.899
rs58225638	lysoPC a C28:1	7	69447456	G/A	0.315	0.315	-0.010	0.016	0.546	21.057

rs12944165	lysoPC a C28:1	17	37347195	C/T	0.582	0.419	-0.013	0.017	0.454	26.224
rs75057920	lysoPC a C28:1	3	64572427	A/G	0.060	0.060	-0.015	0.031	0.641	20.257
rs145684467	lysoPC a C28:1	11	96640003	C/T	0.014	0.014	-0.015	0.064	0.815	27.787
rs11251526	lysoPC a C28:1	10	2858872	C/T	0.244	0.244	-0.017	0.017	0.315	20.191
rs113454868	lysoPC a C28:1	13	102657137	C/T	0.049	0.049	-0.018	0.034	0.603	21.247
rs12930184	lysoPC a C28:1	16	61098339	C/A	0.576	0.424	-0.026	0.015	0.079	22.000
rs73156683	lysoPC a C28:1	7	99554472	C/A	0.088	0.088	-0.034	0.027	0.198	20.124
rs78642401	lysoPC a C28:1	11	62422928	A/G	0.055	0.055	-0.039	0.033	0.233	20.402
rs3007282	lysoPC a C28:1	13	105873445	G/A	0.033	0.033	-0.093	0.041	0.024	19.598
rs148538549	lysoPC a C28:1	4	67076759	G/A	0.033	0.033	-0.126	0.049	0.010	20.271
rs137878466	met-c-856	3	100827337	C/T	0.995	0.005	0.103	0.104	0.325	21.930
rs6741354	met-c-856	2	116060637	A/G	0.993	0.007	0.071	0.093	0.450	23.235
rs3007282	met-c-856	13	105873445	G/A	0.967	0.033	0.046	0.037	0.211	19.598
rs6913885	met-c-856	6	138614327	G/A	0.861	0.139	0.040	0.018	0.023	22.047
rs113454868	met-c-856	13	102657137	C/T	0.937	0.063	0.031	0.028	0.274	21.247
rs79126855	met-c-856	15	89997626	C/T	0.822	0.178	0.026	0.017	0.138	19.720
rs148589464	met-c-856	12	113579313	C/T	0.919	0.081	0.016	0.023	0.488	20.191
rs10029619	met-c-856	4	45024518	T/C	0.237	0.237	0.011	0.015	0.454	19.931
rs136557	met-c-856	22	27258572	G/T	0.541	0.459	0.009	0.012	0.451	24.918
rs78642401	met-c-856	11	62422928	A/G	0.960	0.040	0.009	0.034	0.799	20.402
rs911112	met-c-856	20	3144664	T/C	0.424	0.424	0.007	0.013	0.557	20.448
rs4399914	met-c-856	3	81965477	C/T	0.557	0.443	0.006	0.012	0.632	24.333
rs58225638	met-c-856	7	69447456	G/A	0.699	0.301	0.005	0.014	0.692	21.057
rs73156683	met-c-856	7	99554472	C/A	0.919	0.081	0.005	0.023	0.832	20.124
rs2205171	met-c-856	7	142534127	C/A	0.870	0.130	0.004	0.019	0.842	19.805
rs117502088	met-c-856	19	32240054	G/T	0.967	0.033	0.003	0.038	0.930	19.791
rs631505	met-c-856	6	11583741	T/G	0.942	0.058	0.003	0.029	0.915	25.308
rs8136857	met-c-856	22	27396038	C/T	0.543	0.457	-0.001	0.013	0.940	23.990
rs11678980	met-c-856	2	162101261	G/A	0.567	0.433	-0.001	0.014	0.935	23.372
rs12944165	met-c-856	17	37347195	C/T	0.563	0.437	-0.001	0.014	0.933	26.224
rs4436414	met-c-856	1	7120915	G/A	0.596	0.404	-0.002	0.013	0.846	22.043
rs12930184	met-c-856	16	61098339	C/A	0.381	0.381	-0.004	0.013	0.741	22.000
rs17786402	met-c-856	3	70141710	T/C	0.946	0.054	-0.006	0.029	0.840	19.564

rs11251526	met-c-856	10	2858872	C/T	0.672	0.328	-0.009	0.013	0.495	20.191
rs116176319	met-c-856	2	7130677	T/G	0.986	0.014	-0.011	0.053	0.831	22.869
rs28432761	met-c-856	16	53823878	T/C	0.485	0.485	-0.015	0.012	0.228	24.899
rs3784226	met-c-856	14	105681602	C/T	0.948	0.052	-0.016	0.033	0.634	20.189
rs9755750	met-c-856	3	23963183	G/A	0.687	0.313	-0.017	0.013	0.215	26.142
rs140034131	met-c-856	10	130472697	T/C	0.952	0.048	-0.017	0.032	0.606	21.424
rs9294508	met-c-856	6	92256169	T/C	0.342	0.342	-0.020	0.013	0.129	20.573
rs113434679	met-c-856	17	44126765	C/A	0.915	0.085	-0.022	0.023	0.326	23.583
rs75057920	met-c-856	3	64572427	A/G	0.956	0.044	-0.024	0.037	0.518	20.257
rs4763440	met-c-856	12	16308792	A/C	0.770	0.230	-0.026	0.016	0.115	21.338
rs148538549	met-c-856	4	67076759	G/A	0.939	0.061	-0.033	0.027	0.217	20.271
rs4596239	met-c-856	4	7543943	A/G	0.849	0.151	-0.033	0.017	0.054	19.717
rs117320788	met-c-856	7	63979336	A/G	0.991	0.009	-0.094	0.085	0.271	19.917
rs145684467	met-c-856	11	96640003	C/T	0.988	0.012	-0.148	0.061	0.017	27.787
rs137878466	met-c-881	3	100827337	C/T	0.995	0.005	0.065	0.089	0.471	21.930
rs6741354	met-c-881	2	116060637	A/G	0.992	0.008	0.049	0.076	0.524	23.235
rs148589464	met-c-881	12	113579313	C/T	0.926	0.074	0.042	0.020	0.040	20.191
rs12944165	met-c-881	17	37347195	C/T	0.554	0.446	0.030	0.012	0.015	26.224
rs12930184	met-c-881	16	61098339	C/A	0.391	0.391	0.020	0.011	0.078	22.000
rs6913885	met-c-881	6	138614327	G/A	0.861	0.139	0.019	0.015	0.211	22.047
rs17786402	met-c-881	3	70141710	T/C	0.945	0.055	0.019	0.024	0.453	19.564
rs113454868	met-c-881	13	102657137	C/T	0.936	0.064	0.017	0.023	0.464	21.247
rs79126855	met-c-881	15	89997626	C/T	0.823	0.177	0.017	0.014	0.246	19.720
rs11678980	met-c-881	2	162101261	G/A	0.571	0.429	0.014	0.011	0.231	23.372
rs3007282	met-c-881	13	105873445	G/A	0.968	0.032	0.012	0.031	0.694	19.598
rs75057920	met-c-881	3	64572427	A/G	0.958	0.042	0.012	0.032	0.708	20.257
rs136557	met-c-881	22	27258572	G/T	0.554	0.446	0.009	0.010	0.405	24.918
rs911112	met-c-881	20	3144664	T/C	0.414	0.414	0.007	0.011	0.513	20.448
rs78642401	met-c-881	11	62422928	A/G	0.961	0.039	0.004	0.029	0.884	20.402
rs10029619	met-c-881	4	45024518	T/C	0.237	0.237	0.003	0.012	0.779	19.931
rs113434679	met-c-881	17	44126765	C/A	0.914	0.086	0.003	0.019	0.869	23.583
rs11251526	met-c-881	10	2858872	C/T	0.672	0.328	-0.002	0.011	0.865	20.191
rs8136857	met-c-881	22	27396038	C/T	0.542	0.458	-0.004	0.011	0.701	23.990

rs140034131	met-c-881	10	130472697	T/C	0.953	0.047	-0.005	0.026	0.843	21.424
rs117502088	met-c-881	19	32240054	G/T	0.968	0.032	-0.005	0.032	0.872	19.791
rs4399914	met-c-881	3	81965477	C/T	0.560	0.440	-0.006	0.010	0.584	24.333
rs4436414	met-c-881	1	7120915	G/A	0.587	0.413	-0.008	0.010	0.479	22.043
rs2205171	met-c-881	7	142534127	C/A	0.866	0.134	-0.009	0.015	0.572	19.805
rs3784226	met-c-881	14	105681602	C/T	0.948	0.052	-0.009	0.027	0.746	20.189
rs9755750	met-c-881	3	23963183	G/A	0.690	0.310	-0.012	0.011	0.295	26.142
rs58225638	met-c-881	7	69447456	G/A	0.702	0.298	-0.015	0.011	0.202	21.057
rs9294508	met-c-881	6	92256169	T/C	0.344	0.344	-0.016	0.011	0.144	20.573
rs73156683	met-c-881	7	99554472	C/A	0.913	0.087	-0.018	0.019	0.347	20.124
rs4763440	met-c-881	12	16308792	A/C	0.770	0.230	-0.022	0.014	0.114	21.338
rs28432761	met-c-881	16	53823878	T/C	0.475	0.475	-0.026	0.010	0.014	24.899
rs117320788	met-c-881	7	63979336	A/G	0.990	0.010	-0.027	0.065	0.690	19.917
rs631505	met-c-881	6	11583741	T/G	0.941	0.059	-0.032	0.024	0.189	25.308
rs4596239	met-c-881	4	7543943	A/G	0.847	0.153	-0.034	0.014	0.019	19.717
rs116176319	met-c-881	2	7130677	T/G	0.987	0.013	-0.043	0.046	0.355	22.869
rs148538549	met-c-881	4	67076759	G/A	0.944	0.056	-0.068	0.024	0.005	20.271
rs145684467	met-c-881	11	96640003	C/T	0.989	0.011	-0.075	0.052	0.159	27.787
rs6741354	met-c-889	2	116060637	A/G	0.992	0.008	0.200	0.076	0.009	23.235
rs117502088	met-c-889	19	32240054	G/T	0.968	0.032	0.048	0.032	0.138	19.791
rs3007282	met-c-889	13	105873445	G/A	0.968	0.032	0.023	0.031	0.460	19.598
rs148538549	met-c-889	4	67076759	G/A	0.944	0.056	0.022	0.024	0.367	20.271
rs113454868	met-c-889	13	102657137	C/T	0.937	0.063	0.022	0.023	0.357	21.247
rs12930184	met-c-889	16	61098339	C/A	0.391	0.391	0.016	0.011	0.159	22.000
rs113434679	met-c-889	17	44126765	C/A	0.914	0.086	0.014	0.019	0.468	23.583
rs6913885	met-c-889	6	138614327	G/A	0.861	0.139	0.014	0.015	0.358	22.047
rs2205171	met-c-889	7	142534127	C/A	0.866	0.134	0.013	0.015	0.403	19.805
rs11678980	met-c-889	2	162101261	G/A	0.571	0.429	0.009	0.011	0.409	23.372
rs75057920	met-c-889	3	64572427	A/G	0.958	0.042	0.008	0.032	0.810	20.257
rs9755750	met-c-889	3	23963183	G/A	0.691	0.309	0.007	0.011	0.511	26.142
rs8136857	met-c-889	22	27396038	C/T	0.543	0.457	0.006	0.011	0.583	23.990
rs136557	met-c-889	22	27258572	G/T	0.555	0.445	0.006	0.010	0.570	24.918
rs3784226	met-c-889	14	105681602	C/T	0.948	0.052	0.005	0.028	0.844	20.189

rs4763440	met-c-889	12	16308792	A/C	0.770	0.230	0.005	0.014	0.715	21.338
rs58225638	met-c-889	7	69447456	G/A	0.702	0.298	0.005	0.012	0.669	21.057
rs4399914	met-c-889	3	81965477	C/T	0.560	0.440	0.004	0.010	0.711	24.333
rs137878466	met-c-889	3	100827337	C/T	0.995	0.005	0.004	0.089	0.966	21.930
rs4596239	met-c-889	4	7543943	A/G	0.846	0.154	0.003	0.014	0.827	19.717
rs9111112	met-c-889	20	3144664	T/C	0.414	0.414	0.001	0.011	0.894	20.448
rs78642401	met-c-889	11	62422928	A/G	0.961	0.039	0.000	0.029	0.997	20.402
rs11251526	met-c-889	10	2858872	C/T	0.672	0.328	-0.003	0.011	0.780	20.191
rs17786402	met-c-889	3	70141710	T/C	0.945	0.055	-0.003	0.024	0.895	19.564
rs73156683	met-c-889	7	99554472	C/A	0.914	0.086	-0.006	0.019	0.769	20.124
rs631505	met-c-889	6	11583741	T/G	0.940	0.060	-0.006	0.024	0.805	25.308
rs12944165	met-c-889	17	37347195	C/T	0.554	0.446	-0.010	0.012	0.416	26.224
rs4436414	met-c-889	1	7120915	G/A	0.587	0.413	-0.011	0.011	0.285	22.043
rs79126855	met-c-889	15	89997626	C/T	0.824	0.176	-0.013	0.015	0.390	19.720
rs10029619	met-c-889	4	45024518	T/C	0.237	0.237	-0.015	0.012	0.240	19.931
rs28432761	met-c-889	16	53823878	T/C	0.474	0.474	-0.015	0.010	0.159	24.899
rs145684467	met-c-889	11	96640003	C/T	0.989	0.011	-0.016	0.052	0.765	27.787
rs117320788	met-c-889	7	63979336	A/G	0.990	0.010	-0.018	0.066	0.793	19.917
rs140034131	met-c-889	10	130472697	T/C	0.953	0.047	-0.022	0.026	0.398	21.424
rs9294508	met-c-889	6	92256169	T/C	0.344	0.344	-0.022	0.011	0.041	20.573
rs148589464	met-c-889	12	113579313	C/T	0.926	0.074	-0.023	0.020	0.256	20.191
rs116176319	met-c-889	2	7130677	T/G	0.987	0.013	-0.034	0.046	0.457	22.869
rs137878466	met-c-893	3	100827337	C/T	0.995	0.005	0.064	0.104	0.543	21.930
rs6913885	met-c-893	6	138614327	G/A	0.861	0.139	0.042	0.018	0.018	22.047
rs3007282	met-c-893	13	105873445	G/A	0.967	0.033	0.035	0.037	0.347	19.598
rs113454868	met-c-893	13	102657137	C/T	0.937	0.063	0.023	0.028	0.419	21.247
rs117502088	met-c-893	19	32240054	G/T	0.967	0.033	0.021	0.038	0.581	19.791
rs148589464	met-c-893	12	113579313	C/T	0.919	0.081	0.017	0.023	0.456	20.191
rs6741354	met-c-893	2	116060637	A/G	0.993	0.007	0.013	0.093	0.887	23.235
rs2205171	met-c-893	7	142534127	C/A	0.870	0.130	0.012	0.018	0.515	19.805
rs73156683	met-c-893	7	99554472	C/A	0.919	0.081	0.012	0.023	0.615	20.124
rs79126855	met-c-893	15	89997626	C/T	0.822	0.178	0.011	0.017	0.530	19.720
rs10029619	met-c-893	4	45024518	T/C	0.237	0.237	0.011	0.015	0.464	19.931

rs631505	met-c-893	6	11583741	T/G	0.943	0.057	0.009	0.029	0.766	25.308
rs4399914	met-c-893	3	81965477	C/T	0.557	0.443	0.007	0.012	0.564	24.333
rs911112	met-c-893	20	3144664	T/C	0.424	0.424	0.006	0.013	0.661	20.448
rs17786402	met-c-893	3	70141710	T/C	0.946	0.054	0.005	0.029	0.866	19.564
rs136557	met-c-893	22	27258572	G/T	0.541	0.459	0.003	0.012	0.812	24.918
rs11678980	met-c-893	2	162101261	G/A	0.567	0.433	0.003	0.014	0.847	23.372
rs12944165	met-c-893	17	37347195	C/T	0.563	0.437	0.002	0.014	0.874	26.224
rs78642401	met-c-893	11	62422928	A/G	0.960	0.040	-0.001	0.034	0.981	20.402
rs58225638	met-c-893	7	69447456	G/A	0.698	0.302	-0.002	0.014	0.913	21.057
rs116176319	met-c-893	2	7130677	T/G	0.986	0.014	-0.005	0.053	0.929	22.869
rs4436414	met-c-893	1	7120915	G/A	0.596	0.404	-0.005	0.012	0.673	22.043
rs8136857	met-c-893	22	27396038	C/T	0.543	0.457	-0.005	0.013	0.683	23.990
rs12930184	met-c-893	16	61098339	C/A	0.381	0.381	-0.006	0.013	0.648	22.000
rs3784226	met-c-893	14	105681602	C/T	0.949	0.051	-0.009	0.033	0.786	20.189
rs113434679	met-c-893	17	44126765	C/A	0.915	0.085	-0.009	0.023	0.693	23.583
rs140034131	met-c-893	10	130472697	T/C	0.953	0.047	-0.009	0.031	0.772	21.424
rs11251526	met-c-893	10	2858872	C/T	0.672	0.328	-0.011	0.013	0.429	20.191
rs9294508	met-c-893	6	92256169	T/C	0.343	0.343	-0.012	0.013	0.362	20.573
rs28432761	met-c-893	16	53823878	T/C	0.485	0.485	-0.014	0.012	0.269	24.899
rs4763440	met-c-893	12	16308792	A/C	0.770	0.230	-0.016	0.016	0.322	21.338
rs9755750	met-c-893	3	23963183	G/A	0.688	0.312	-0.020	0.013	0.131	26.142
rs4596239	met-c-893	4	7543943	A/G	0.849	0.151	-0.024	0.017	0.163	19.717
rs75057920	met-c-893	3	64572427	A/G	0.956	0.044	-0.027	0.037	0.467	20.257
rs117320788	met-c-893	7	63979336	A/G	0.991	0.009	-0.028	0.085	0.744	19.917
rs148538549	met-c-893	4	67076759	G/A	0.939	0.061	-0.049	0.027	0.074	20.271
rs145684467	met-c-893	11	96640003	C/T	0.988	0.012	-0.155	0.061	0.012	27.787
rs6741354	met-c-925	2	116060637	A/G	0.992	0.008	0.158	0.075	0.039	23.235
rs137878466	met-c-925	3	100827337	C/T	0.995	0.005	0.071	0.089	0.432	21.930
rs148589464	met-c-925	12	113579313	C/T	0.926	0.074	0.030	0.020	0.137	20.191
rs12944165	met-c-925	17	37347195	C/T	0.554	0.446	0.026	0.012	0.031	26.224
rs6913885	met-c-925	6	138614327	G/A	0.861	0.139	0.019	0.015	0.207	22.047
rs12930184	met-c-925	16	61098339	C/A	0.391	0.391	0.018	0.011	0.099	22.000
rs117502088	met-c-925	19	32240054	G/T	0.968	0.032	0.018	0.032	0.577	19.791

rs75057920	met-c-925	3	64572427	A/G	0.958	0.042	0.018	0.032	0.583	20.257
rs113454868	met-c-925	13	102657137	C/T	0.936	0.064	0.016	0.023	0.498	21.247
rs79126855	met-c-925	15	89997626	C/T	0.823	0.177	0.016	0.014	0.281	19.720
rs78642401	met-c-925	11	62422928	A/G	0.961	0.039	0.014	0.029	0.631	20.402
rs11678980	met-c-925	2	162101261	G/A	0.571	0.429	0.011	0.011	0.345	23.372
rs3007282	met-c-925	13	105873445	G/A	0.968	0.032	0.010	0.031	0.742	19.598
rs911112	met-c-925	20	3144664	T/C	0.414	0.414	0.008	0.011	0.448	20.448
rs113434679	met-c-925	17	44126765	C/A	0.914	0.086	0.008	0.019	0.679	23.583
rs136557	met-c-925	22	27258572	G/T	0.554	0.446	0.006	0.010	0.558	24.918
rs8136857	met-c-925	22	27396038	C/T	0.542	0.458	0.002	0.011	0.871	23.990
rs17786402	met-c-925	3	70141710	T/C	0.945	0.055	0.001	0.024	0.983	19.564
rs10029619	met-c-925	4	45024518	T/C	0.237	0.237	-0.001	0.012	0.914	19.931
rs11251526	met-c-925	10	2858872	C/T	0.672	0.328	-0.003	0.011	0.816	20.191
rs2205171	met-c-925	7	142534127	C/A	0.866	0.134	-0.004	0.015	0.777	19.805
rs140034131	met-c-925	10	130472697	T/C	0.953	0.047	-0.006	0.026	0.829	21.424
rs9755750	met-c-925	3	23963183	G/A	0.690	0.310	-0.008	0.011	0.493	26.142
rs4436414	met-c-925	1	7120915	G/A	0.587	0.413	-0.009	0.010	0.411	22.043
rs4399914	met-c-925	3	81965477	C/T	0.560	0.440	-0.009	0.010	0.401	24.333
rs3784226	met-c-925	14	105681602	C/T	0.948	0.052	-0.013	0.027	0.648	20.189
rs58225638	met-c-925	7	69447456	G/A	0.702	0.298	-0.013	0.011	0.269	21.057
rs73156683	met-c-925	7	99554472	C/A	0.913	0.087	-0.015	0.019	0.431	20.124
rs9294508	met-c-925	6	92256169	T/C	0.344	0.344	-0.018	0.011	0.107	20.573
rs4596239	met-c-925	4	7543943	A/G	0.847	0.153	-0.021	0.014	0.150	19.717
rs4763440	met-c-925	12	16308792	A/C	0.770	0.230	-0.022	0.013	0.114	21.338
rs631505	met-c-925	6	11583741	T/G	0.941	0.059	-0.025	0.024	0.298	25.308
rs116176319	met-c-925	2	7130677	T/G	0.987	0.013	-0.028	0.046	0.551	22.869
rs28432761	met-c-925	16	53823878	T/C	0.475	0.475	-0.030	0.010	0.005	24.899
rs117320788	met-c-925	7	63979336	A/G	0.990	0.010	-0.042	0.065	0.532	19.917
rs148538549	met-c-925	4	67076759	G/A	0.944	0.056	-0.058	0.024	0.016	20.271
rs145684467	met-c-925	11	96640003	C/T	0.989	0.011	-0.091	0.052	0.087	27.787
rs137878466	met-c-937	3	100827337	C/T	0.995	0.005	0.141	0.104	0.176	21.930
rs116176319	met-c-937	2	7130677	T/G	0.986	0.014	0.048	0.053	0.369	22.869
rs3007282	met-c-937	13	105873445	G/A	0.967	0.033	0.043	0.036	0.237	19.598

rs78642401	met-c-937	11	62422928	A/G	0.960	0.040	0.043	0.034	0.212	20.402
rs6741354	met-c-937	2	116060637	A/G	0.993	0.007	0.041	0.093	0.658	23.235
rs6913885	met-c-937	6	138614327	G/A	0.861	0.139	0.033	0.018	0.061	22.047
rs17786402	met-c-937	3	70141710	T/C	0.946	0.054	0.028	0.029	0.331	19.564
rs79126855	met-c-937	15	89997626	C/T	0.822	0.178	0.022	0.017	0.210	19.720
rs140034131	met-c-937	10	130472697	T/C	0.953	0.047	0.021	0.031	0.510	21.424
rs148589464	met-c-937	12	113579313	C/T	0.919	0.081	0.018	0.023	0.442	20.191
rs9111112	met-c-937	20	3144664	T/C	0.424	0.424	0.017	0.013	0.171	20.448
rs12930184	met-c-937	16	61098339	C/A	0.381	0.381	0.016	0.013	0.234	22.000
rs2205171	met-c-937	7	142534127	C/A	0.870	0.130	0.011	0.018	0.567	19.805
rs8136857	met-c-937	22	27396038	C/T	0.543	0.457	0.010	0.013	0.446	23.990
rs113454868	met-c-937	13	102657137	C/T	0.937	0.063	0.009	0.028	0.752	21.247
rs12944165	met-c-937	17	37347195	C/T	0.563	0.437	0.008	0.014	0.598	26.224
rs4399914	met-c-937	3	81965477	C/T	0.557	0.443	0.008	0.012	0.539	24.333
rs117320788	met-c-937	7	63979336	A/G	0.991	0.009	0.001	0.085	0.988	19.917
rs3784226	met-c-937	14	105681602	C/T	0.949	0.051	0.001	0.032	0.978	20.189
rs11678980	met-c-937	2	162101261	G/A	0.567	0.433	0.001	0.014	0.969	23.372
rs148538549	met-c-937	4	67076759	G/A	0.939	0.061	0.000	0.027	0.994	20.271
rs28432761	met-c-937	16	53823878	T/C	0.485	0.485	-0.001	0.012	0.966	24.899
rs58225638	met-c-937	7	69447456	G/A	0.698	0.302	-0.001	0.014	0.960	21.057
rs4436414	met-c-937	1	7120915	G/A	0.596	0.404	-0.003	0.012	0.809	22.043
rs631505	met-c-937	6	11583741	T/G	0.943	0.057	-0.004	0.029	0.890	25.308
rs136557	met-c-937	22	27258572	G/T	0.541	0.459	-0.004	0.012	0.717	24.918
rs10029619	met-c-937	4	45024518	T/C	0.237	0.237	-0.005	0.015	0.736	19.931
rs75057920	met-c-937	3	64572427	A/G	0.956	0.044	-0.008	0.037	0.823	20.257
rs73156683	met-c-937	7	99554472	C/A	0.919	0.081	-0.013	0.023	0.579	20.124
rs11251526	met-c-937	10	2858872	C/T	0.672	0.328	-0.014	0.013	0.302	20.191
rs4763440	met-c-937	12	16308792	A/C	0.770	0.230	-0.023	0.016	0.162	21.338
rs113434679	met-c-937	17	44126765	C/A	0.915	0.085	-0.023	0.023	0.310	23.583
rs117502088	met-c-937	19	32240054	G/T	0.967	0.033	-0.027	0.038	0.489	19.791
rs9294508	met-c-937	6	92256169	T/C	0.342	0.342	-0.027	0.013	0.039	20.573
rs4596239	met-c-937	4	7543943	A/G	0.849	0.151	-0.028	0.017	0.111	19.717
rs9755750	met-c-937	3	23963183	G/A	0.688	0.312	-0.029	0.013	0.030	26.142

rs145684467	met-c-937	11	96640003	C/T	0.988	0.012	-0.101	0.061	0.103	27.787
rs6741354	met-c-950	2	116060637	A/G	0.992	0.008	0.209	0.076	0.006	23.235
rs117502088	met-c-950	19	32240054	G/T	0.968	0.032	0.074	0.036	0.041	19.791
rs113454868	met-c-950	13	102657137	C/T	0.937	0.063	0.045	0.023	0.059	21.247
rs113434679	met-c-950	17	44126765	C/A	0.914	0.086	0.028	0.019	0.151	23.583
rs3007282	met-c-950	13	105873445	G/A	0.968	0.032	0.020	0.031	0.521	19.598
rs6913885	met-c-950	6	138614327	G/A	0.861	0.139	0.019	0.015	0.205	22.047
rs75057920	met-c-950	3	64572427	A/G	0.958	0.042	0.019	0.032	0.563	20.257
rs2205171	met-c-950	7	142534127	C/A	0.869	0.131	0.017	0.016	0.292	19.805
rs4596239	met-c-950	4	7543943	A/G	0.846	0.154	0.016	0.015	0.259	19.717
rs3784226	met-c-950	14	105681602	C/T	0.951	0.049	0.016	0.031	0.618	20.189
rs8136857	met-c-950	22	27396038	C/T	0.543	0.457	0.015	0.011	0.177	23.990
rs137878466	met-c-950	3	100827337	C/T	0.995	0.005	0.013	0.089	0.881	21.930
rs11678980	met-c-950	2	162101261	G/A	0.571	0.429	0.013	0.011	0.249	23.372
rs12930184	met-c-950	16	61098339	C/A	0.391	0.391	0.011	0.011	0.308	22.000
rs148538549	met-c-950	4	67076759	G/A	0.918	0.082	0.009	0.024	0.712	20.271
rs911112	met-c-950	20	3144664	T/C	0.414	0.414	0.008	0.011	0.468	20.448
rs17786402	met-c-950	3	70141710	T/C	0.945	0.055	0.008	0.024	0.755	19.564
rs58225638	met-c-950	7	69447456	G/A	0.702	0.298	0.004	0.012	0.760	21.057
rs631505	met-c-950	6	11583741	T/G	0.940	0.060	0.003	0.024	0.890	25.308
rs136557	met-c-950	22	27258572	G/T	0.555	0.445	0.003	0.010	0.793	24.918
rs4763440	met-c-950	12	16308792	A/C	0.770	0.230	0.000	0.014	0.994	21.338
rs79126855	met-c-950	15	89997626	C/T	0.824	0.176	-0.001	0.015	0.955	19.720
rs4399914	met-c-950	3	81965477	C/T	0.560	0.440	-0.003	0.010	0.740	24.333
rs9755750	met-c-950	3	23963183	G/A	0.691	0.309	-0.004	0.011	0.742	26.142
rs12944165	met-c-950	17	37347195	C/T	0.554	0.446	-0.004	0.012	0.732	26.224
rs78642401	met-c-950	11	62422928	A/G	0.961	0.039	-0.005	0.029	0.869	20.402
rs11251526	met-c-950	10	2858872	C/T	0.672	0.328	-0.006	0.011	0.605	20.191
rs73156683	met-c-950	7	99554472	C/A	0.913	0.087	-0.006	0.019	0.742	20.124
rs9294508	met-c-950	6	92256169	T/C	0.344	0.344	-0.014	0.011	0.215	20.573
rs4436414	met-c-950	1	7120915	G/A	0.587	0.413	-0.014	0.011	0.191	22.043
rs10029619	met-c-950	4	45024518	T/C	0.230	0.230	-0.018	0.012	0.155	19.931
rs148589464	met-c-950	12	113579313	C/T	0.926	0.074	-0.018	0.020	0.379	20.191

rs28432761	met-c-950	16	53823878	T/C	0.474	0.474	-0.028	0.010	0.007	24.899
rs140034131	met-c-950	10	130472697	T/C	0.952	0.048	-0.034	0.027	0.211	21.424
rs116176319	met-c-950	2	7130677	T/G	0.987	0.013	-0.034	0.046	0.469	22.869
rs145684467	met-c-950	11	96640003	C/T	0.989	0.011	-0.035	0.052	0.509	27.787
rs117320788	met-c-950	7	63979336	A/G	0.990	0.010	-0.054	0.067	0.424	19.917

bread type: Wholemeal or wholegrain

rs34330406	Hydroxybutyrylcarnitine	2	180803486	C/T	0.017	0.017	0.127	0.064	0.046	22.477
rs111650147	Hydroxybutyrylcarnitine	1	95528581	T/C	0.032	0.032	0.056	0.044	0.205	21.763
rs114621346	Hydroxybutyrylcarnitine	1	159171474	G/A	0.017	0.017	0.052	0.059	0.376	22.680
rs62366395	Hydroxybutyrylcarnitine	5	104370644	G/A	0.049	0.049	0.048	0.034	0.161	21.288
rs139954992	Hydroxybutyrylcarnitine	22	50992048	G/A	0.025	0.025	0.038	0.052	0.461	19.970
rs745136	Hydroxybutyrylcarnitine	15	96899827	T/G	0.534	0.466	0.036	0.016	0.027	23.065
rs4698920	Hydroxybutyrylcarnitine	4	105379055	G/A	0.654	0.346	0.031	0.016	0.049	29.668
rs117764493	Hydroxybutyrylcarnitine	13	102131922	T/G	0.026	0.026	0.030	0.047	0.527	20.480
rs2117028	Hydroxybutyrylcarnitine	12	49480948	G/A	0.436	0.436	0.028	0.016	0.069	26.102
rs8008842	Hydroxybutyrylcarnitine	14	41300060	A/G	0.460	0.460	0.028	0.015	0.061	21.593
rs10977243	Hydroxybutyrylcarnitine	9	8672042	A/G	0.089	0.089	0.027	0.026	0.296	19.735
rs2694633	Hydroxybutyrylcarnitine	2	61540642	A/C	0.681	0.319	0.026	0.016	0.095	24.389
rs587806	Hydroxybutyrylcarnitine	11	119882908	T/C	0.882	0.119	0.026	0.023	0.261	21.792
rs2631024	Hydroxybutyrylcarnitine	8	91995577	A/G	0.742	0.258	0.024	0.017	0.152	26.091
rs3785229	Hydroxybutyrylcarnitine	16	7670999	A/G	0.544	0.456	0.024	0.015	0.109	33.209
rs9264979	Hydroxybutyrylcarnitine	6	31279908	G/A	0.586	0.414	0.023	0.015	0.122	27.903
rs117794620	Hydroxybutyrylcarnitine	17	28991182	A/G	0.023	0.023	0.023	0.057	0.687	23.071
rs12277713	Hydroxybutyrylcarnitine	11	133528521	T/C	0.454	0.454	0.023	0.015	0.131	22.492
rs76157199	Hydroxybutyrylcarnitine	2	98541874	A/G	0.036	0.036	0.022	0.039	0.570	20.162
rs151150389	Hydroxybutyrylcarnitine	8	28897171	T/C	0.039	0.039	0.022	0.037	0.563	24.179
rs3999544	Hydroxybutyrylcarnitine	6	26285867	C/T	0.549	0.451	0.022	0.015	0.138	25.749
rs4407278	Hydroxybutyrylcarnitine	2	648607	C/T	0.774	0.226	0.021	0.019	0.261	28.999
rs6475017	Hydroxybutyrylcarnitine	9	1631379	G/A	0.407	0.407	0.021	0.016	0.200	19.468
rs2726259	Hydroxybutyrylcarnitine	18	37198341	C/A	0.364	0.364	0.020	0.016	0.218	30.409
rs2471325	Hydroxybutyrylcarnitine	4	3024044	C/T	0.322	0.322	0.019	0.016	0.220	28.131
rs9352784	Hydroxybutyrylcarnitine	6	80604130	G/A	0.112	0.112	0.019	0.023	0.415	20.774
rs2037711	Hydroxybutyrylcarnitine	13	85476417	C/A	0.319	0.319	0.019	0.016	0.240	19.835

rs13053329	Hydroxybutyrylcarnitine	22	31502732	A/G	0.492	0.492	0.017	0.015	0.249	20.342
rs7921305	Hydroxybutyrylcarnitine	10	133775196	G/A	0.254	0.254	0.017	0.017	0.308	33.811
rs10889706	Hydroxybutyrylcarnitine	1	41350787	A/C	0.303	0.303	0.017	0.016	0.297	24.317
rs281219	Hydroxybutyrylcarnitine	15	47711652	A/G	0.792	0.208	0.016	0.018	0.380	36.335
rs880597	Hydroxybutyrylcarnitine	9	102168293	C/T	0.331	0.331	0.016	0.016	0.307	24.234
rs1472157	Hydroxybutyrylcarnitine	9	81788743	T/C	0.626	0.374	0.015	0.015	0.313	26.452
rs35996140	Hydroxybutyrylcarnitine	3	68521478	C/A	0.205	0.205	0.015	0.018	0.399	20.333
rs112423942	Hydroxybutyrylcarnitine	4	189790022	C/T	0.043	0.043	0.014	0.036	0.699	21.867
rs7562697	Hydroxybutyrylcarnitine	2	181918896	A/G	0.681	0.319	0.014	0.016	0.374	20.513
rs79416180	Hydroxybutyrylcarnitine	7	136623471	C/T	0.094	0.094	0.013	0.025	0.602	19.640
rs11681451	Hydroxybutyrylcarnitine	2	225334104	T/C	0.323	0.323	0.013	0.015	0.396	29.493
rs60083575	Hydroxybutyrylcarnitine	13	58453785	T/C	0.240	0.240	0.013	0.019	0.500	30.130
rs10168768	Hydroxybutyrylcarnitine	2	137484713	G/T	0.592	0.408	0.013	0.015	0.392	23.198
rs1819982	Hydroxybutyrylcarnitine	5	168614172	C/A	0.533	0.467	0.012	0.015	0.407	20.776
rs2425052	Hydroxybutyrylcarnitine	20	33880729	A/C	0.445	0.445	0.012	0.015	0.433	25.907
rs72843234	Hydroxybutyrylcarnitine	2	134435162	T/C	0.024	0.024	0.011	0.049	0.831	20.015
rs80019665	Hydroxybutyrylcarnitine	12	90992958	C/T	0.193	0.193	0.010	0.023	0.658	23.485
rs13248299	Hydroxybutyrylcarnitine	8	106306761	C/T	0.550	0.450	0.010	0.015	0.500	20.653
rs12137549	Hydroxybutyrylcarnitine	1	190872114	T/C	0.362	0.362	0.009	0.015	0.542	20.463
rs552334	Hydroxybutyrylcarnitine	11	95595694	T/C	0.532	0.468	0.009	0.015	0.556	30.927
rs898751	Hydroxybutyrylcarnitine	17	2291863	C/T	0.489	0.489	0.009	0.015	0.562	27.171
rs2121884	Hydroxybutyrylcarnitine	9	114638982	A/C	0.621	0.379	0.009	0.015	0.571	20.552
rs6882046	Hydroxybutyrylcarnitine	5	87968864	A/G	0.271	0.271	0.007	0.017	0.680	44.873
rs72734517	Hydroxybutyrylcarnitine	15	76101535	C/T	0.031	0.031	0.006	0.043	0.888	19.561
rs13012149	Hydroxybutyrylcarnitine	2	122611171	G/A	0.593	0.407	0.006	0.015	0.712	20.169
rs2710627	Hydroxybutyrylcarnitine	2	32758627	A/G	0.648	0.352	0.006	0.015	0.712	24.046
rs76176628	Hydroxybutyrylcarnitine	19	36345767	T/C	0.050	0.050	0.005	0.034	0.878	27.617
rs11102404	Hydroxybutyrylcarnitine	1	112721915	G/A	0.653	0.347	0.005	0.015	0.757	30.153
rs60313989	Hydroxybutyrylcarnitine	8	132075266	G/A	0.409	0.409	0.004	0.015	0.779	19.319
rs1660954	Hydroxybutyrylcarnitine	15	57189122	C/A	0.420	0.420	0.004	0.016	0.821	19.394
rs11882956	Hydroxybutyrylcarnitine	19	5900470	G/A	0.026	0.026	0.003	0.050	0.947	21.213
rs9422753	Hydroxybutyrylcarnitine	10	126960137	T/C	0.197	0.197	0.003	0.019	0.864	28.369
rs34130665	Hydroxybutyrylcarnitine	2	215383374	C/T	0.481	0.481	0.003	0.015	0.831	19.976

rs1788823	Hydroxybutyrylcarnitine	18	21114917	A/G	0.654	0.346	0.003	0.016	0.857	33.261
rs60795232	Hydroxybutyrylcarnitine	2	236680476	A/G	0.282	0.282	0.003	0.016	0.868	29.572
rs6767669	Hydroxybutyrylcarnitine	3	116599500	G/A	0.266	0.266	0.003	0.017	0.875	26.575
rs4655090	Hydroxybutyrylcarnitine	1	23011945	C/T	0.242	0.242	0.003	0.018	0.885	21.955
rs1308512	Hydroxybutyrylcarnitine	9	87279298	A/G	0.791	0.210	0.002	0.018	0.916	26.174
rs10986931	Hydroxybutyrylcarnitine	9	128564209	C/T	0.582	0.418	0.002	0.015	0.905	21.068
rs7939241	Hydroxybutyrylcarnitine	11	114859696	A/G	0.783	0.217	0.001	0.019	0.956	27.220
rs61817482	Hydroxybutyrylcarnitine	1	204570347	G/A	0.201	0.201	0.001	0.018	0.960	25.528
rs4686704	Hydroxybutyrylcarnitine	3	185579020	A/G	0.307	0.307	0.001	0.016	0.967	22.345
rs2959495	Hydroxybutyrylcarnitine	18	62113144	C/A	0.464	0.464	0.000	0.015	0.995	21.467
rs112060520	Hydroxybutyrylcarnitine	3	117671421	G/T	0.296	0.296	0.000	0.016	0.993	22.751
rs2915124	Hydroxybutyrylcarnitine	1	68688538	A/G	0.219	0.219	-0.001	0.018	0.978	27.393
rs10865037	Hydroxybutyrylcarnitine	2	100871361	T/C	0.389	0.389	-0.001	0.015	0.946	19.723
rs6978112	Hydroxybutyrylcarnitine	7	1966841	C/T	0.406	0.406	-0.001	0.015	0.930	38.200
rs77403093	Hydroxybutyrylcarnitine	17	57220124	C/T	0.311	0.311	-0.001	0.016	0.935	20.304
rs4762172	Hydroxybutyrylcarnitine	12	95493912	T/C	0.086	0.086	-0.002	0.026	0.955	24.668
rs11018771	Hydroxybutyrylcarnitine	11	89488562	T/C	0.364	0.364	-0.002	0.016	0.923	22.745
rs4883913	Hydroxybutyrylcarnitine	13	73145459	T/C	0.389	0.389	-0.002	0.015	0.890	20.076
rs35069754	Hydroxybutyrylcarnitine	5	2295044	A/G	0.126	0.126	-0.002	0.023	0.913	22.132
rs7871511	Hydroxybutyrylcarnitine	9	5555160	A/C	0.175	0.175	-0.003	0.020	0.892	20.800
rs12756240	Hydroxybutyrylcarnitine	1	238433595	T/C	0.271	0.271	-0.003	0.017	0.867	20.827
rs1346075	Hydroxybutyrylcarnitine	4	68028922	T/G	0.543	0.457	-0.003	0.015	0.824	20.095
rs66922415	Hydroxybutyrylcarnitine	18	57848651	A/G	0.241	0.241	-0.004	0.017	0.837	40.296
rs1039720	Hydroxybutyrylcarnitine	18	73758482	G/A	0.793	0.207	-0.004	0.018	0.836	24.402
rs2491244	Hydroxybutyrylcarnitine	13	28599914	G/A	0.578	0.422	-0.005	0.015	0.754	28.163
rs540906517	Hydroxybutyrylcarnitine	8	2535593	T/C	0.073	0.073	-0.005	0.031	0.884	20.482
rs3795944	Hydroxybutyrylcarnitine	2	23920545	A/G	0.549	0.452	-0.005	0.015	0.743	23.117
rs696815	Hydroxybutyrylcarnitine	2	198688084	A/C	0.648	0.352	-0.006	0.016	0.715	24.826
rs6014531	Hydroxybutyrylcarnitine	20	54403893	C/T	0.645	0.355	-0.006	0.016	0.703	19.824
rs587978	Hydroxybutyrylcarnitine	11	105801770	C/T	0.468	0.468	-0.006	0.015	0.670	24.834
rs961936	Hydroxybutyrylcarnitine	11	29778265	A/G	0.426	0.426	-0.007	0.015	0.657	20.706
rs11251692	Hydroxybutyrylcarnitine	10	364707	C/T	0.130	0.130	-0.007	0.022	0.755	21.753
rs1557341	Hydroxybutyrylcarnitine	18	35127427	A/C	0.651	0.349	-0.007	0.016	0.661	22.613

rs150262359	Hydroxybutyrylcarnitine	16	29006757	G/A	0.044	0.044	-0.007	0.037	0.844	21.395
rs35164264	Hydroxybutyrylcarnitine	17	41150021	A/G	0.075	0.075	-0.008	0.028	0.788	22.391
rs335352	Hydroxybutyrylcarnitine	6	155623709	G/A	0.659	0.341	-0.008	0.015	0.617	21.453
rs11692083	Hydroxybutyrylcarnitine	2	59212187	G/A	0.567	0.433	-0.008	0.015	0.572	35.281
rs150534	Hydroxybutyrylcarnitine	5	60503133	G/A	0.520	0.480	-0.009	0.015	0.559	31.772
rs11652858	Hydroxybutyrylcarnitine	17	46844996	C/T	0.321	0.321	-0.009	0.016	0.581	23.644
rs1061808	Hydroxybutyrylcarnitine	6	32136547	T/G	0.633	0.367	-0.009	0.015	0.543	37.277
rs11227478	Hydroxybutyrylcarnitine	11	66173400	G/A	0.210	0.210	-0.010	0.018	0.577	30.390
rs739848	Hydroxybutyrylcarnitine	19	18809314	C/T	0.187	0.187	-0.010	0.019	0.595	24.970
rs72880354	Hydroxybutyrylcarnitine	1	28683713	G/A	0.310	0.310	-0.010	0.016	0.511	19.834
rs370790808	Hydroxybutyrylcarnitine	5	152146093	C/T	0.293	0.293	-0.011	0.017	0.506	22.246
rs72913870	Hydroxybutyrylcarnitine	3	89047588	G/A	0.111	0.111	-0.013	0.024	0.596	33.155
rs34118828	Hydroxybutyrylcarnitine	15	27026260	G/A	0.354	0.354	-0.013	0.015	0.408	27.147
rs11641525	Hydroxybutyrylcarnitine	16	89691310	G/A	0.046	0.046	-0.014	0.036	0.701	24.345
rs62180989	Hydroxybutyrylcarnitine	2	191271244	C/T	0.322	0.322	-0.014	0.016	0.368	27.421
rs9597573	Hydroxybutyrylcarnitine	13	58110178	T/C	0.442	0.442	-0.015	0.015	0.320	20.845
rs7784688	Hydroxybutyrylcarnitine	7	32966042	T/C	0.644	0.356	-0.015	0.015	0.331	20.112
rs2292239	Hydroxybutyrylcarnitine	12	56482180	T/G	0.663	0.338	-0.015	0.016	0.327	29.926
rs150978694	Hydroxybutyrylcarnitine	16	26515201	C/T	0.028	0.028	-0.017	0.046	0.704	21.246
rs13322059	Hydroxybutyrylcarnitine	3	156310778	A/C	0.247	0.247	-0.019	0.019	0.321	19.317
rs2417261	Hydroxybutyrylcarnitine	12	13414139	T/G	0.896	0.104	-0.019	0.025	0.438	20.203
rs9847830	Hydroxybutyrylcarnitine	3	100861030	A/C	0.173	0.173	-0.021	0.020	0.298	19.773
rs35407417	Hydroxybutyrylcarnitine	21	25486732	A/C	0.605	0.395	-0.022	0.016	0.165	20.024
rs13147599	Hydroxybutyrylcarnitine	4	93784286	A/G	0.068	0.068	-0.022	0.030	0.455	21.293
rs1421085	Hydroxybutyrylcarnitine	16	53800954	T/C	0.405	0.405	-0.023	0.015	0.119	84.782
rs7626445	Hydroxybutyrylcarnitine	3	49114544	C/T	0.652	0.348	-0.024	0.015	0.125	31.540
rs13064450	Hydroxybutyrylcarnitine	3	21077708	G/A	0.471	0.471	-0.024	0.015	0.104	25.194
rs10253861	Hydroxybutyrylcarnitine	7	8110475	G/A	0.554	0.446	-0.025	0.015	0.090	27.117
rs12434775	Hydroxybutyrylcarnitine	14	69524809	G/A	0.331	0.331	-0.026	0.015	0.095	22.177
rs35287743	Hydroxybutyrylcarnitine	12	110057250	G/T	0.101	0.101	-0.026	0.026	0.306	32.211
rs11128045	Hydroxybutyrylcarnitine	3	88498034	T/C	0.389	0.389	-0.028	0.015	0.071	20.977
rs16903000	Hydroxybutyrylcarnitine	5	13995236	T/C	0.298	0.298	-0.030	0.016	0.058	23.843
rs12629217	Hydroxybutyrylcarnitine	3	143442254	C/T	0.194	0.194	-0.031	0.019	0.101	22.348

rs79958999	Hydroxybutyrylcarnitine	13	40758670	G/A	0.014	0.014	-0.032	0.073	0.661	24.095
rs6057026	Hydroxybutyrylcarnitine	20	9904213	G/A	0.754	0.246	-0.035	0.018	0.049	19.369
rs548921575	Hydroxybutyrylcarnitine	14	56911080	C/T	0.134	0.134	-0.036	0.026	0.164	22.361
rs6780833	Hydroxybutyrylcarnitine	3	137067993	G/A	0.391	0.391	-0.037	0.015	0.016	29.645
rs6430204	Hydroxybutyrylcarnitine	2	148343718	C/T	0.462	0.462	-0.039	0.015	0.010	27.909
rs4791393	Hydroxybutyrylcarnitine	17	7822466	C/T	0.040	0.040	-0.040	0.039	0.308	20.255
rs62525716	Hydroxybutyrylcarnitine	8	130056308	C/T	0.141	0.141	-0.048	0.021	0.023	21.025
rs2660338	Hydroxybutyrylcarnitine	4	41982707	A/C	0.853	0.147	-0.050	0.021	0.017	25.956
rs115005266	Hydroxybutyrylcarnitine	6	24249780	C/T	0.022	0.022	-0.056	0.051	0.268	19.475
rs16890052	Hydroxybutyrylcarnitine	6	79184742	T/C	0.172	0.172	-0.059	0.020	0.003	20.464
rs117875805	Hydroxybutyrylcarnitine	7	53786445	T/C	0.023	0.023	-0.060	0.050	0.230	21.403
rs34330406	PC aa C24:0	2	180803486	C/T	0.017	0.017	0.163	0.064	0.011	22.477
rs117794620	PC aa C24:0	17	28991182	A/G	0.023	0.023	0.139	0.057	0.015	23.071
rs114621346	PC aa C24:0	1	159171474	G/A	0.017	0.017	0.098	0.059	0.099	22.680
rs76176628	PC aa C24:0	19	36345767	T/C	0.050	0.050	0.083	0.035	0.017	27.617
rs117764493	PC aa C24:0	13	102131922	T/G	0.026	0.026	0.060	0.047	0.202	20.480
rs35164264	PC aa C24:0	17	41150021	A/G	0.075	0.075	0.046	0.029	0.110	22.391
rs151150389	PC aa C24:0	8	28897171	T/C	0.039	0.039	0.041	0.038	0.273	24.179
rs540906517	PC aa C24:0	8	2535593	T/C	0.073	0.073	0.039	0.032	0.222	20.482
rs2915124	PC aa C24:0	1	68688538	A/G	0.219	0.219	0.036	0.018	0.046	27.393
rs76157199	PC aa C24:0	2	98541874	A/G	0.036	0.036	0.035	0.039	0.371	20.162
rs62366395	PC aa C24:0	5	104370644	G/A	0.049	0.049	0.031	0.035	0.376	21.288
rs150262359	PC aa C24:0	16	29006757	G/A	0.044	0.044	0.030	0.038	0.424	21.395
rs1472157	PC aa C24:0	9	81788743	T/C	0.626	0.374	0.030	0.015	0.050	26.452
rs66922415	PC aa C24:0	18	57848651	A/G	0.241	0.241	0.030	0.017	0.084	40.296
rs10865037	PC aa C24:0	2	100871361	T/C	0.389	0.389	0.025	0.015	0.098	19.723
rs12434775	PC aa C24:0	14	69524809	G/A	0.331	0.331	0.023	0.016	0.140	22.177
rs9847830	PC aa C24:0	3	100861030	A/C	0.173	0.173	0.023	0.020	0.260	19.773
rs150534	PC aa C24:0	5	60503133	G/A	0.520	0.480	0.022	0.015	0.134	31.772
rs16903000	PC aa C24:0	5	13995236	T/C	0.298	0.298	0.022	0.016	0.175	23.843
rs10253861	PC aa C24:0	7	8110475	G/A	0.554	0.446	0.021	0.015	0.160	27.117
rs10977243	PC aa C24:0	9	8672042	A/G	0.089	0.089	0.021	0.026	0.433	19.735
rs35996140	PC aa C24:0	3	68521478	C/A	0.205	0.205	0.021	0.018	0.263	20.333

rs6057026	PC aa C24:0	20	9904213	G/A	0.754	0.246	0.019	0.018	0.278	19.369
rs6780833	PC aa C24:0	3	137067993	G/A	0.391	0.391	0.019	0.015	0.207	29.645
rs72843234	PC aa C24:0	2	134435162	T/C	0.024	0.024	0.019	0.050	0.709	20.015
rs961936	PC aa C24:0	11	29778265	A/G	0.426	0.426	0.018	0.015	0.227	20.706
rs11251692	PC aa C24:0	10	364707	C/T	0.130	0.130	0.018	0.022	0.417	21.753
rs11692083	PC aa C24:0	2	59212187	G/A	0.567	0.433	0.017	0.015	0.266	35.281
rs4698920	PC aa C24:0	4	105379055	G/A	0.654	0.346	0.017	0.016	0.289	29.668
rs72880354	PC aa C24:0	1	28683713	G/A	0.310	0.310	0.016	0.016	0.326	19.834
rs6475017	PC aa C24:0	9	1631379	G/A	0.407	0.407	0.015	0.016	0.341	19.468
rs4655090	PC aa C24:0	1	23011945	C/T	0.242	0.242	0.014	0.018	0.451	21.955
rs60795232	PC aa C24:0	2	236680476	A/G	0.282	0.282	0.013	0.016	0.428	29.572
rs11681451	PC aa C24:0	2	225334104	T/C	0.323	0.323	0.012	0.016	0.427	29.493
rs6882046	PC aa C24:0	5	87968864	A/G	0.271	0.271	0.012	0.017	0.492	44.873
rs13012149	PC aa C24:0	2	122611171	G/A	0.593	0.407	0.011	0.015	0.460	20.169
rs7939241	PC aa C24:0	11	114859696	A/G	0.783	0.217	0.011	0.019	0.569	27.220
rs60083575	PC aa C24:0	13	58453785	T/C	0.240	0.240	0.011	0.019	0.569	30.130
rs2491244	PC aa C24:0	13	28599914	G/A	0.578	0.422	0.011	0.015	0.473	28.163
rs7784688	PC aa C24:0	7	32966042	T/C	0.644	0.356	0.010	0.015	0.508	20.112
rs139954992	PC aa C24:0	22	50992048	G/A	0.025	0.025	0.009	0.052	0.862	19.970
rs745136	PC aa C24:0	15	96899827	T/G	0.534	0.466	0.009	0.016	0.578	23.065
rs11018771	PC aa C24:0	11	89488562	T/C	0.364	0.364	0.009	0.016	0.596	22.745
rs7871511	PC aa C24:0	9	5555160	A/C	0.175	0.175	0.008	0.020	0.678	20.800
rs1421085	PC aa C24:0	16	53800954	T/C	0.405	0.405	0.008	0.015	0.587	84.782
rs2117028	PC aa C24:0	12	49480948	G/A	0.436	0.436	0.008	0.016	0.627	26.102
rs6978112	PC aa C24:0	7	1966841	C/T	0.405	0.405	0.008	0.015	0.605	38.200
rs1039720	PC aa C24:0	18	73758482	G/A	0.793	0.207	0.007	0.019	0.692	24.402
rs35069754	PC aa C24:0	5	2295044	A/G	0.126	0.126	0.007	0.023	0.758	22.132
rs2425052	PC aa C24:0	20	33880729	A/C	0.445	0.445	0.006	0.015	0.670	25.907
rs7626445	PC aa C24:0	3	49114544	C/T	0.652	0.348	0.006	0.015	0.693	31.540
rs4762172	PC aa C24:0	12	95493912	T/C	0.086	0.086	0.005	0.027	0.837	24.668
rs898751	PC aa C24:0	17	2291863	C/T	0.488	0.488	0.005	0.015	0.752	27.171
rs11227478	PC aa C24:0	11	66173400	G/A	0.210	0.210	0.004	0.018	0.815	30.390
rs4407278	PC aa C24:0	2	648607	C/T	0.773	0.227	0.004	0.019	0.826	28.999

rs11128045	PC aa C24:0	3	88498034	T/C	0.389	0.389	0.004	0.016	0.797	20.977
rs34118828	PC aa C24:0	15	27026260	G/A	0.354	0.354	0.004	0.015	0.794	27.147
rs335352	PC aa C24:0	6	155623709	G/A	0.660	0.341	0.003	0.016	0.841	21.453
rs3785229	PC aa C24:0	16	7670999	A/G	0.544	0.456	0.002	0.015	0.884	33.209
rs1308512	PC aa C24:0	9	87279298	A/G	0.790	0.210	0.002	0.018	0.912	26.174
rs1788823	PC aa C24:0	18	21114917	A/G	0.654	0.346	0.002	0.016	0.902	33.261
rs77403093	PC aa C24:0	17	57220124	C/T	0.311	0.311	0.002	0.016	0.917	20.304
rs10986931	PC aa C24:0	9	128564209	C/T	0.582	0.418	0.001	0.015	0.924	21.068
rs12756240	PC aa C24:0	1	238433595	T/C	0.271	0.271	0.001	0.017	0.951	20.827
rs16890052	PC aa C24:0	6	79184742	T/C	0.172	0.172	0.001	0.020	0.966	20.464
rs61817482	PC aa C24:0	1	204570347	G/A	0.201	0.201	0.000	0.019	0.986	25.528
rs13248299	PC aa C24:0	8	106306761	C/T	0.550	0.450	0.000	0.015	0.987	20.653
rs117875805	PC aa C24:0	7	53786445	T/C	0.023	0.023	0.000	0.051	0.999	21.403
rs2037711	PC aa C24:0	13	85476417	C/A	0.319	0.319	0.000	0.016	0.994	19.835
rs2121884	PC aa C24:0	9	114638982	A/C	0.621	0.379	0.000	0.015	0.995	20.552
rs7562697	PC aa C24:0	2	181918896	A/G	0.681	0.319	0.000	0.016	0.990	20.513
rs587806	PC aa C24:0	11	119882908	T/C	0.882	0.119	-0.001	0.023	0.980	21.792
rs2694633	PC aa C24:0	2	61540642	A/C	0.681	0.319	-0.001	0.016	0.941	24.389
rs13064450	PC aa C24:0	3	21077708	G/A	0.471	0.471	-0.002	0.015	0.911	25.194
rs1557341	PC aa C24:0	18	35127427	A/C	0.651	0.349	-0.002	0.016	0.902	22.613
rs880597	PC aa C24:0	9	102168293	C/T	0.331	0.331	-0.002	0.016	0.894	24.234
rs11652858	PC aa C24:0	17	46844996	C/T	0.321	0.321	-0.003	0.016	0.858	23.644
rs10168768	PC aa C24:0	2	137484713	G/T	0.592	0.408	-0.003	0.015	0.844	23.198
rs9264979	PC aa C24:0	6	31279908	G/A	0.586	0.414	-0.003	0.015	0.826	27.903
rs8008842	PC aa C24:0	14	41300060	A/G	0.460	0.460	-0.004	0.015	0.815	21.593
rs552334	PC aa C24:0	11	95595694	T/C	0.532	0.468	-0.004	0.015	0.794	30.927
rs6767669	PC aa C24:0	3	116599500	G/A	0.266	0.266	-0.004	0.017	0.798	26.575
rs13053329	PC aa C24:0	22	31502732	A/G	0.492	0.492	-0.005	0.015	0.747	20.342
rs11102404	PC aa C24:0	1	112721915	G/A	0.653	0.347	-0.005	0.015	0.738	30.153
rs4883913	PC aa C24:0	13	73145459	T/C	0.389	0.389	-0.005	0.015	0.726	20.076
rs587978	PC aa C24:0	11	105801770	C/T	0.468	0.468	-0.006	0.015	0.693	24.834
rs12277713	PC aa C24:0	11	133528521	T/C	0.454	0.454	-0.006	0.015	0.687	22.492
rs12629217	PC aa C24:0	3	143442254	C/T	0.194	0.194	-0.006	0.019	0.741	22.348

rs1660954	PC aa C24:0	15	57189122	C/A	0.420	0.420	-0.007	0.016	0.682	19.394
rs7921305	PC aa C24:0	10	133775196	G/A	0.254	0.254	-0.007	0.017	0.701	33.811
rs1819982	PC aa C24:0	5	168614172	C/A	0.533	0.467	-0.008	0.015	0.574	20.776
rs62525716	PC aa C24:0	8	130056308	C/T	0.141	0.141	-0.008	0.021	0.689	21.025
rs12137549	PC aa C24:0	1	190872114	T/C	0.362	0.362	-0.009	0.015	0.571	20.463
rs60313989	PC aa C24:0	8	132075266	G/A	0.409	0.409	-0.009	0.015	0.552	19.319
rs35407417	PC aa C24:0	21	25486732	A/C	0.605	0.395	-0.009	0.016	0.568	20.024
rs1061808	PC aa C24:0	6	32136547	T/G	0.633	0.367	-0.009	0.015	0.550	37.277
rs10889706	PC aa C24:0	1	41350787	A/C	0.303	0.303	-0.009	0.017	0.570	24.317
rs13322059	PC aa C24:0	3	156310778	A/C	0.248	0.248	-0.010	0.019	0.623	19.317
rs2471325	PC aa C24:0	4	3024044	C/T	0.322	0.322	-0.010	0.016	0.531	28.131
rs2631024	PC aa C24:0	8	91995577	A/G	0.742	0.258	-0.010	0.017	0.558	26.091
rs35287743	PC aa C24:0	12	110057250	G/T	0.101	0.101	-0.010	0.026	0.697	32.211
rs2710627	PC aa C24:0	2	32758627	A/G	0.648	0.352	-0.010	0.015	0.507	24.046
rs9352784	PC aa C24:0	6	80604130	G/A	0.112	0.112	-0.010	0.024	0.659	20.774
rs2660338	PC aa C24:0	4	41982707	A/C	0.853	0.147	-0.011	0.021	0.614	25.956
rs9597573	PC aa C24:0	13	58110178	T/C	0.442	0.442	-0.011	0.015	0.445	20.845
rs13147599	PC aa C24:0	4	93784286	A/G	0.068	0.068	-0.013	0.030	0.662	21.293
rs112060520	PC aa C24:0	3	117671421	G/T	0.296	0.296	-0.017	0.016	0.298	22.751
rs11641525	PC aa C24:0	16	89691310	G/A	0.046	0.046	-0.017	0.036	0.638	24.345
rs696815	PC aa C24:0	2	198688084	A/C	0.648	0.352	-0.017	0.016	0.279	24.826
rs3999544	PC aa C24:0	6	26285867	C/T	0.549	0.451	-0.017	0.015	0.240	25.749
rs150978694	PC aa C24:0	16	26515201	C/T	0.028	0.028	-0.018	0.046	0.691	21.246
rs2959495	PC aa C24:0	18	62113144	C/A	0.464	0.464	-0.018	0.015	0.223	21.467
rs370790808	PC aa C24:0	5	152146093	C/T	0.293	0.293	-0.018	0.017	0.284	22.246
rs6014531	PC aa C24:0	20	54403893	C/T	0.645	0.355	-0.019	0.016	0.218	19.824
rs739848	PC aa C24:0	19	18809314	C/T	0.187	0.187	-0.020	0.019	0.304	24.970
rs2726259	PC aa C24:0	18	37198341	C/A	0.364	0.364	-0.020	0.016	0.221	30.409
rs281219	PC aa C24:0	15	47711652	A/G	0.792	0.208	-0.020	0.018	0.282	36.335
rs72913870	PC aa C24:0	3	89047588	G/A	0.111	0.111	-0.020	0.024	0.406	33.155
rs3795944	PC aa C24:0	2	23920545	A/G	0.549	0.452	-0.020	0.015	0.170	23.117
rs6430204	PC aa C24:0	2	148343718	C/T	0.462	0.462	-0.021	0.015	0.173	27.909
rs112423942	PC aa C24:0	4	189790022	C/T	0.043	0.043	-0.022	0.036	0.543	21.867

rs79416180	PC aa C24:0	7	136623471	C/T	0.094	0.094	-0.022	0.026	0.384	19.640
rs2292239	PC aa C24:0	12	56482180	T/G	0.663	0.338	-0.024	0.016	0.123	29.926
rs72734517	PC aa C24:0	15	76101535	C/T	0.031	0.031	-0.026	0.044	0.545	19.561
rs4791393	PC aa C24:0	17	7822466	C/T	0.040	0.040	-0.028	0.039	0.476	20.255
rs62180989	PC aa C24:0	2	191271244	C/T	0.322	0.322	-0.028	0.016	0.076	27.421
rs4686704	PC aa C24:0	3	185579020	A/G	0.307	0.307	-0.029	0.017	0.076	22.345
rs34130665	PC aa C24:0	2	215383374	C/T	0.481	0.481	-0.030	0.015	0.043	19.976
rs115005266	PC aa C24:0	6	24249780	C/T	0.022	0.022	-0.033	0.051	0.514	19.475
rs9422753	PC aa C24:0	10	126960137	T/C	0.197	0.197	-0.034	0.019	0.067	28.369
rs1346075	PC aa C24:0	4	68028922	T/G	0.543	0.457	-0.038	0.015	0.010	20.095
rs2417261	PC aa C24:0	12	13414139	T/G	0.896	0.104	-0.042	0.025	0.085	20.203
rs548921575	PC aa C24:0	14	56911080	C/T	0.134	0.134	-0.045	0.026	0.078	22.361
rs79958999	PC aa C24:0	13	40758670	G/A	0.014	0.014	-0.048	0.073	0.517	24.095
rs80019665	PC aa C24:0	12	90992958	C/T	0.193	0.193	-0.054	0.023	0.019	23.485
rs11882956	PC aa C24:0	19	5900470	G/A	0.026	0.026	-0.058	0.050	0.248	21.213
rs111650147	PC aa C24:0	1	95528581	T/C	0.032	0.032	-0.077	0.044	0.081	21.763
rs111650147	PC aa C32:2	1	95528581	T/C	0.032	0.032	0.094	0.043	0.030	21.763
rs72843234	PC aa C32:2	2	134435162	T/C	0.024	0.024	0.066	0.049	0.177	20.015
rs76157199	PC aa C32:2	2	98541874	A/G	0.036	0.036	0.054	0.039	0.164	20.162
rs79958999	PC aa C32:2	13	40758670	G/A	0.014	0.014	0.045	0.072	0.531	24.095
rs10977243	PC aa C32:2	9	8672042	A/G	0.089	0.089	0.040	0.026	0.121	19.735
rs4762172	PC aa C32:2	12	95493912	T/C	0.086	0.086	0.038	0.026	0.148	24.668
rs7562697	PC aa C32:2	2	181918896	A/G	0.681	0.319	0.037	0.015	0.015	20.513
rs35069754	PC aa C32:2	5	2295044	A/G	0.126	0.126	0.036	0.022	0.102	22.132
rs13248299	PC aa C32:2	8	106306761	C/T	0.550	0.450	0.035	0.015	0.018	20.653
rs35287743	PC aa C32:2	12	110057250	G/T	0.101	0.101	0.030	0.025	0.230	32.211
rs11692083	PC aa C32:2	2	59212187	G/A	0.567	0.433	0.029	0.015	0.048	35.281
rs77403093	PC aa C32:2	17	57220124	C/T	0.311	0.311	0.029	0.016	0.064	20.304
rs76176628	PC aa C32:2	19	36345767	T/C	0.050	0.050	0.029	0.034	0.402	27.617
rs2631024	PC aa C32:2	8	91995577	A/G	0.742	0.258	0.027	0.017	0.099	26.091
rs117764493	PC aa C32:2	13	102131922	T/G	0.026	0.026	0.026	0.047	0.582	20.480
rs1039720	PC aa C32:2	18	73758482	G/A	0.793	0.207	0.024	0.018	0.180	24.402
rs6882046	PC aa C32:2	5	87968864	A/G	0.271	0.271	0.024	0.017	0.151	44.873

rs6430204	PC aa C32:2	2	148343718	C/T	0.462	0.462	0.024	0.015	0.121	27.909
rs3999544	PC aa C32:2	6	26285867	C/T	0.549	0.451	0.023	0.015	0.106	25.749
rs117794620	PC aa C32:2	17	28991182	A/G	0.023	0.023	0.023	0.056	0.677	23.071
rs139954992	PC aa C32:2	22	50992048	G/A	0.025	0.025	0.022	0.051	0.668	19.970
rs112060520	PC aa C32:2	3	117671421	G/T	0.296	0.296	0.020	0.016	0.213	22.751
rs11128045	PC aa C32:2	3	88498034	T/C	0.389	0.389	0.019	0.015	0.202	20.977
rs10986931	PC aa C32:2	9	128564209	C/T	0.582	0.418	0.019	0.015	0.205	21.068
rs13012149	PC aa C32:2	2	122611171	G/A	0.593	0.407	0.019	0.015	0.216	20.169
rs66922415	PC aa C32:2	18	57848651	A/G	0.241	0.241	0.017	0.017	0.309	40.296
rs62366395	PC aa C32:2	5	104370644	G/A	0.049	0.049	0.017	0.034	0.618	21.288
rs60313989	PC aa C32:2	8	132075266	G/A	0.409	0.409	0.017	0.015	0.258	19.319
rs6978112	PC aa C32:2	7	1966841	C/T	0.406	0.406	0.016	0.015	0.265	38.200
rs12434775	PC aa C32:2	14	69524809	G/A	0.331	0.331	0.016	0.015	0.307	22.177
rs6767669	PC aa C32:2	3	116599500	G/A	0.266	0.266	0.016	0.017	0.361	26.575
rs35164264	PC aa C32:2	17	41150021	A/G	0.075	0.075	0.015	0.028	0.590	22.391
rs62180989	PC aa C32:2	2	191271244	C/T	0.322	0.322	0.015	0.016	0.332	27.421
rs2292239	PC aa C32:2	12	56482180	T/G	0.663	0.338	0.015	0.015	0.327	29.926
rs2037711	PC aa C32:2	13	85476417	C/A	0.319	0.319	0.015	0.016	0.352	19.835
rs745136	PC aa C32:2	15	96899827	T/G	0.534	0.466	0.014	0.016	0.391	23.065
rs1346075	PC aa C32:2	4	68028922	T/G	0.543	0.457	0.012	0.015	0.428	20.095
rs62525716	PC aa C32:2	8	130056308	C/T	0.141	0.141	0.012	0.021	0.579	21.025
rs11227478	PC aa C32:2	11	66173400	G/A	0.210	0.210	0.011	0.018	0.523	30.390
rs35996140	PC aa C32:2	3	68521478	C/A	0.205	0.205	0.011	0.018	0.550	20.333
rs6780833	PC aa C32:2	3	137067993	G/A	0.391	0.391	0.009	0.015	0.539	29.645
rs2417261	PC aa C32:2	12	13414139	T/G	0.896	0.104	0.009	0.024	0.709	20.203
rs1472157	PC aa C32:2	9	81788743	T/C	0.626	0.374	0.009	0.015	0.561	26.452
rs3795944	PC aa C32:2	2	23920545	A/G	0.549	0.452	0.009	0.014	0.551	23.117
rs2425052	PC aa C32:2	20	33880729	A/C	0.445	0.445	0.008	0.015	0.609	25.907
rs898751	PC aa C32:2	17	2291863	C/T	0.489	0.489	0.007	0.015	0.621	27.171
rs1308512	PC aa C32:2	9	87279298	A/G	0.791	0.210	0.007	0.018	0.709	26.174
rs34118828	PC aa C32:2	15	27026260	G/A	0.354	0.354	0.007	0.015	0.656	27.147
rs61817482	PC aa C32:2	1	204570347	G/A	0.201	0.201	0.006	0.018	0.734	25.528
rs72880354	PC aa C32:2	1	28683713	G/A	0.310	0.310	0.006	0.016	0.698	19.834

rs16890052	PC aa C32:2	6	79184742	T/C	0.172	0.172	0.006	0.019	0.769	20.464
rs335352	PC aa C32:2	6	155623709	G/A	0.659	0.341	0.006	0.015	0.710	21.453
rs11681451	PC aa C32:2	2	225334104	T/C	0.323	0.323	0.005	0.015	0.723	29.493
rs2121884	PC aa C32:2	9	114638982	A/C	0.621	0.379	0.005	0.015	0.727	20.552
rs1788823	PC aa C32:2	18	21114917	A/G	0.654	0.346	0.005	0.015	0.739	33.261
rs6014531	PC aa C32:2	20	54403893	C/T	0.645	0.355	0.005	0.015	0.741	19.824
rs114621346	PC aa C32:2	1	159171474	G/A	0.017	0.017	0.005	0.058	0.933	22.680
rs4686704	PC aa C32:2	3	185579020	A/G	0.307	0.307	0.005	0.016	0.783	22.345
rs34330406	PC aa C32:2	2	180803486	C/T	0.017	0.017	0.004	0.063	0.949	22.477
rs2710627	PC aa C32:2	2	32758627	A/G	0.648	0.352	0.003	0.015	0.839	24.046
rs150534	PC aa C32:2	5	60503133	G/A	0.520	0.480	0.003	0.014	0.858	31.772
rs4698920	PC aa C32:2	4	105379055	G/A	0.654	0.346	0.002	0.015	0.874	29.668
rs880597	PC aa C32:2	9	102168293	C/T	0.331	0.331	0.002	0.015	0.905	24.234
rs7784688	PC aa C32:2	7	32966042	T/C	0.644	0.356	0.001	0.015	0.950	20.112
rs11102404	PC aa C32:2	1	112721915	G/A	0.653	0.347	0.001	0.015	0.961	30.153
rs11251692	PC aa C32:2	10	364707	C/T	0.130	0.130	0.001	0.022	0.982	21.753
rs9597573	PC aa C32:2	13	58110178	T/C	0.442	0.442	0.000	0.015	0.993	20.845
rs4407278	PC aa C32:2	2	648607	C/T	0.774	0.226	0.000	0.019	0.997	28.999
rs1557341	PC aa C32:2	18	35127427	A/C	0.651	0.349	0.000	0.015	0.985	22.613
rs1819982	PC aa C32:2	5	168614172	C/A	0.533	0.467	-0.001	0.015	0.929	20.776
rs2117028	PC aa C32:2	12	49480948	G/A	0.436	0.436	-0.002	0.016	0.896	26.102
rs117875805	PC aa C32:2	7	53786445	T/C	0.023	0.023	-0.002	0.050	0.967	21.403
rs1421085	PC aa C32:2	16	53800954	T/C	0.405	0.405	-0.002	0.015	0.883	84.782
rs9264979	PC aa C32:2	6	31279908	G/A	0.586	0.414	-0.002	0.015	0.871	27.903
rs552334	PC aa C32:2	11	95595694	T/C	0.532	0.468	-0.003	0.015	0.849	30.927
rs112423942	PC aa C32:2	4	189790022	C/T	0.043	0.043	-0.003	0.036	0.923	21.867
rs34130665	PC aa C32:2	2	215383374	C/T	0.481	0.481	-0.005	0.014	0.738	19.976
rs12277713	PC aa C32:2	11	133528521	T/C	0.454	0.454	-0.005	0.015	0.742	22.492
rs7921305	PC aa C32:2	10	133775196	G/A	0.254	0.254	-0.005	0.017	0.745	33.811
rs961936	PC aa C32:2	11	29778265	A/G	0.426	0.426	-0.005	0.015	0.713	20.706
rs2660338	PC aa C32:2	4	41982707	A/C	0.853	0.147	-0.006	0.021	0.781	25.956
rs2694633	PC aa C32:2	2	61540642	A/C	0.681	0.319	-0.006	0.016	0.678	24.389
rs9847830	PC aa C32:2	3	100861030	A/C	0.173	0.173	-0.008	0.020	0.705	19.773

rs7871511	PC aa C32:2	9	5555160	A/C	0.175	0.175	-0.008	0.019	0.692	20.800
rs12137549	PC aa C32:2	1	190872114	T/C	0.362	0.362	-0.009	0.015	0.556	20.463
rs6057026	PC aa C32:2	20	9904213	G/A	0.754	0.246	-0.009	0.018	0.594	19.369
rs12756240	PC aa C32:2	1	238433595	T/C	0.271	0.271	-0.010	0.016	0.555	20.827
rs13322059	PC aa C32:2	3	156310778	A/C	0.247	0.247	-0.010	0.019	0.605	19.317
rs8008842	PC aa C32:2	14	41300060	A/G	0.460	0.460	-0.010	0.015	0.492	21.593
rs2491244	PC aa C32:2	13	28599914	G/A	0.578	0.422	-0.010	0.015	0.484	28.163
rs587806	PC aa C32:2	11	119882908	T/C	0.882	0.119	-0.011	0.023	0.635	21.792
rs4883913	PC aa C32:2	13	73145459	T/C	0.389	0.389	-0.011	0.015	0.453	20.076
rs7626445	PC aa C32:2	3	49114544	C/T	0.652	0.348	-0.011	0.015	0.455	31.540
rs13064450	PC aa C32:2	3	21077708	G/A	0.471	0.471	-0.012	0.015	0.409	25.194
rs72913870	PC aa C32:2	3	89047588	G/A	0.111	0.111	-0.012	0.023	0.598	33.155
rs10865037	PC aa C32:2	2	100871361	T/C	0.389	0.389	-0.013	0.015	0.372	19.723
rs2471325	PC aa C32:2	4	3024044	C/T	0.322	0.322	-0.013	0.016	0.388	28.131
rs1061808	PC aa C32:2	6	32136547	T/G	0.633	0.367	-0.014	0.015	0.366	37.277
rs2959495	PC aa C32:2	18	62113144	C/A	0.464	0.464	-0.014	0.015	0.341	21.467
rs11652858	PC aa C32:2	17	46844996	C/T	0.321	0.321	-0.014	0.016	0.365	23.644
rs16903000	PC aa C32:2	5	13995236	T/C	0.298	0.298	-0.015	0.016	0.341	23.843
rs60795232	PC aa C32:2	2	236680476	A/G	0.282	0.282	-0.015	0.016	0.336	29.572
rs13053329	PC aa C32:2	22	31502732	A/G	0.492	0.492	-0.016	0.015	0.282	20.342
rs9422753	PC aa C32:2	10	126960137	T/C	0.197	0.197	-0.016	0.018	0.390	28.369
rs4655090	PC aa C32:2	1	23011945	C/T	0.242	0.242	-0.017	0.018	0.343	21.955
rs2915124	PC aa C32:2	1	68688538	A/G	0.219	0.219	-0.017	0.018	0.329	27.393
rs10168768	PC aa C32:2	2	137484713	G/T	0.592	0.408	-0.018	0.015	0.221	23.198
rs696815	PC aa C32:2	2	198688084	A/C	0.648	0.352	-0.019	0.016	0.234	24.826
rs11018771	PC aa C32:2	11	89488562	T/C	0.364	0.364	-0.019	0.016	0.239	22.745
rs12629217	PC aa C32:2	3	143442254	C/T	0.194	0.194	-0.021	0.018	0.256	22.348
rs587978	PC aa C32:2	11	105801770	C/T	0.468	0.468	-0.022	0.015	0.128	24.834
rs150262359	PC aa C32:2	16	29006757	G/A	0.044	0.044	-0.022	0.037	0.545	21.395
rs10253861	PC aa C32:2	7	8110475	G/A	0.554	0.446	-0.023	0.015	0.115	27.117
rs7939241	PC aa C32:2	11	114859696	A/G	0.783	0.217	-0.024	0.019	0.212	27.220
rs3785229	PC aa C32:2	16	7670999	A/G	0.544	0.456	-0.030	0.015	0.040	33.209
rs739848	PC aa C32:2	19	18809314	C/T	0.187	0.187	-0.031	0.019	0.098	24.970

rs79416180	PC aa C32:2	7	136623471	C/T	0.094	0.094	-0.032	0.025	0.201	19.640
rs151150389	PC aa C32:2	8	28897171	T/C	0.039	0.039	-0.033	0.037	0.371	24.179
rs281219	PC aa C32:2	15	47711652	A/G	0.792	0.208	-0.035	0.018	0.054	36.335
rs10889706	PC aa C32:2	1	41350787	A/C	0.303	0.303	-0.038	0.016	0.018	24.317
rs4791393	PC aa C32:2	17	7822466	C/T	0.040	0.040	-0.042	0.039	0.272	20.255
rs13147599	PC aa C32:2	4	93784286	A/G	0.068	0.068	-0.043	0.030	0.145	21.293
rs11641525	PC aa C32:2	16	89691310	G/A	0.046	0.046	-0.045	0.036	0.205	24.345
rs72734517	PC aa C32:2	15	76101535	C/T	0.031	0.031	-0.050	0.043	0.244	19.561
rs115005266	PC aa C32:2	6	24249780	C/T	0.022	0.022	-0.052	0.050	0.294	19.475
rs9352784	PC aa C32:2	6	80604130	G/A	0.112	0.112	-0.063	0.023	0.007	20.774
rs150978694	PC aa C32:2	16	26515201	C/T	0.028	0.028	-0.066	0.045	0.144	21.246
rs11882956	PC aa C32:2	19	5900470	G/A	0.026	0.026	-0.078	0.049	0.111	21.213
rs114621346	PC aa C32:3	1	159171474	G/A	0.017	0.017	0.116	0.058	0.045	22.680
rs117794620	PC aa C32:3	17	28991182	A/G	0.023	0.023	0.085	0.056	0.125	23.071
rs10977243	PC aa C32:3	9	8672042	A/G	0.089	0.089	0.062	0.026	0.015	19.735
rs111650147	PC aa C32:3	1	95528581	T/C	0.032	0.032	0.060	0.043	0.159	21.763
rs4762172	PC aa C32:3	12	95493912	T/C	0.086	0.086	0.047	0.026	0.072	24.668
rs11227478	PC aa C32:3	11	66173400	G/A	0.210	0.210	0.043	0.018	0.015	30.390
rs76157199	PC aa C32:3	2	98541874	A/G	0.036	0.036	0.041	0.039	0.290	20.162
rs6882046	PC aa C32:3	5	87968864	A/G	0.271	0.271	0.040	0.016	0.014	44.873
rs72843234	PC aa C32:3	2	134435162	T/C	0.024	0.024	0.040	0.048	0.413	20.015
rs66922415	PC aa C32:3	18	57848651	A/G	0.241	0.241	0.039	0.017	0.020	40.296
rs79958999	PC aa C32:3	13	40758670	G/A	0.014	0.014	0.038	0.072	0.595	24.095
rs34330406	PC aa C32:3	2	180803486	C/T	0.017	0.017	0.036	0.062	0.569	22.477
rs150262359	PC aa C32:3	16	29006757	G/A	0.044	0.044	0.035	0.037	0.342	21.395
rs139954992	PC aa C32:3	22	50992048	G/A	0.025	0.025	0.033	0.051	0.512	19.970
rs11692083	PC aa C32:3	2	59212187	G/A	0.567	0.433	0.030	0.015	0.040	35.281
rs2631024	PC aa C32:3	8	91995577	A/G	0.742	0.258	0.029	0.016	0.082	26.091
rs35164264	PC aa C32:3	17	41150021	A/G	0.075	0.075	0.027	0.028	0.327	22.391
rs77403093	PC aa C32:3	17	57220124	C/T	0.311	0.311	0.026	0.016	0.089	20.304
rs880597	PC aa C32:3	9	102168293	C/T	0.331	0.331	0.025	0.015	0.098	24.234
rs335352	PC aa C32:3	6	155623709	G/A	0.660	0.340	0.025	0.015	0.099	21.453
rs117764493	PC aa C32:3	13	102131922	T/G	0.026	0.026	0.025	0.046	0.595	20.480

rs11128045	PC aa C32:3	3	88498034	T/C	0.390	0.390	0.024	0.015	0.120	20.977
rs115005266	PC aa C32:3	6	24249780	C/T	0.022	0.022	0.023	0.050	0.646	19.475
rs2292239	PC aa C32:3	12	56482180	T/G	0.663	0.338	0.022	0.015	0.146	29.926
rs1472157	PC aa C32:3	9	81788743	T/C	0.626	0.374	0.020	0.015	0.172	26.452
rs9597573	PC aa C32:3	13	58110178	T/C	0.442	0.442	0.020	0.015	0.175	20.845
rs35069754	PC aa C32:3	5	2295044	A/G	0.126	0.126	0.019	0.022	0.389	22.132
rs76176628	PC aa C32:3	19	36345767	T/C	0.050	0.050	0.019	0.034	0.577	27.617
rs1346075	PC aa C32:3	4	68028922	T/G	0.543	0.457	0.019	0.015	0.204	20.095
rs12629217	PC aa C32:3	3	143442254	C/T	0.194	0.194	0.018	0.018	0.322	22.348
rs150534	PC aa C32:3	5	60503133	G/A	0.520	0.480	0.017	0.014	0.244	31.772
rs2037711	PC aa C32:3	13	85476417	C/A	0.319	0.319	0.016	0.016	0.301	19.835
rs61817482	PC aa C32:3	1	204570347	G/A	0.201	0.201	0.015	0.018	0.423	25.528
rs7562697	PC aa C32:3	2	181918896	A/G	0.681	0.319	0.014	0.015	0.372	20.513
rs62366395	PC aa C32:3	5	104370644	G/A	0.049	0.049	0.013	0.034	0.704	21.288
rs1039720	PC aa C32:3	18	73758482	G/A	0.793	0.207	0.013	0.018	0.481	24.402
rs2915124	PC aa C32:3	1	68688538	A/G	0.219	0.219	0.013	0.018	0.478	27.393
rs1557341	PC aa C32:3	18	35127427	A/C	0.651	0.349	0.012	0.015	0.430	22.613
rs13012149	PC aa C32:3	2	122611171	G/A	0.593	0.407	0.012	0.015	0.416	20.169
rs62525716	PC aa C32:3	8	130056308	C/T	0.141	0.141	0.011	0.021	0.578	21.025
rs35996140	PC aa C32:3	3	68521478	C/A	0.205	0.205	0.011	0.018	0.539	20.333
rs13322059	PC aa C32:3	3	156310778	A/C	0.248	0.248	0.010	0.019	0.586	19.317
rs3999544	PC aa C32:3	6	26285867	C/T	0.549	0.451	0.009	0.014	0.531	25.749
rs11102404	PC aa C32:3	1	112721915	G/A	0.653	0.347	0.009	0.015	0.564	30.153
rs6780833	PC aa C32:3	3	137067993	G/A	0.391	0.391	0.009	0.015	0.561	29.645
rs12434775	PC aa C32:3	14	69524809	G/A	0.331	0.331	0.009	0.015	0.575	22.177
rs2425052	PC aa C32:3	20	33880729	A/C	0.445	0.445	0.008	0.015	0.563	25.907
rs1421085	PC aa C32:3	16	53800954	T/C	0.405	0.405	0.008	0.015	0.579	84.782
rs745136	PC aa C32:3	15	96899827	T/G	0.534	0.466	0.008	0.016	0.635	23.065
rs60313989	PC aa C32:3	8	132075266	G/A	0.408	0.408	0.006	0.015	0.663	19.319
rs6978112	PC aa C32:3	7	1966841	C/T	0.405	0.405	0.006	0.015	0.659	38.200
rs62180989	PC aa C32:3	2	191271244	C/T	0.323	0.323	0.006	0.015	0.711	27.421
rs1788823	PC aa C32:3	18	21114917	A/G	0.654	0.346	0.006	0.015	0.712	33.261
rs112060520	PC aa C32:3	3	117671421	G/T	0.296	0.296	0.005	0.016	0.742	22.751

rs6767669	PC aa C32:3	3	116599500	G/A	0.266	0.266	0.004	0.017	0.798	26.575
rs9264979	PC aa C32:3	6	31279908	G/A	0.586	0.414	0.004	0.015	0.810	27.903
rs1819982	PC aa C32:3	5	168614172	C/A	0.533	0.467	0.004	0.014	0.808	20.776
rs2471325	PC aa C32:3	4	3024044	C/T	0.322	0.322	0.003	0.015	0.859	28.131
rs281219	PC aa C32:3	15	47711652	A/G	0.792	0.208	0.003	0.018	0.889	36.335
rs72880354	PC aa C32:3	1	28683713	G/A	0.310	0.310	0.003	0.015	0.872	19.834
rs9847830	PC aa C32:3	3	100861030	A/C	0.173	0.173	0.002	0.020	0.914	19.773
rs3795944	PC aa C32:3	2	23920545	A/G	0.548	0.452	0.001	0.014	0.939	23.117
rs11251692	PC aa C32:3	10	364707	C/T	0.130	0.130	0.001	0.021	0.966	21.753
rs13248299	PC aa C32:3	8	106306761	C/T	0.550	0.450	0.001	0.015	0.956	20.653
rs2694633	PC aa C32:3	2	61540642	A/C	0.681	0.319	0.001	0.015	0.973	24.389
rs2117028	PC aa C32:3	12	49480948	G/A	0.436	0.436	0.000	0.015	0.980	26.102
rs6430204	PC aa C32:3	2	148343718	C/T	0.462	0.462	0.000	0.015	0.995	27.909
rs7871511	PC aa C32:3	9	5555160	A/C	0.175	0.175	0.000	0.019	0.996	20.800
rs10865037	PC aa C32:3	2	100871361	T/C	0.389	0.389	0.000	0.015	1.000	19.723
rs7626445	PC aa C32:3	3	49114544	C/T	0.652	0.348	0.000	0.015	0.982	31.540
rs112423942	PC aa C32:3	4	189790022	C/T	0.043	0.043	0.000	0.035	0.992	21.867
rs898751	PC aa C32:3	17	2291863	C/T	0.488	0.488	-0.001	0.015	0.926	27.171
rs60795232	PC aa C32:3	2	236680476	A/G	0.282	0.282	-0.001	0.016	0.929	29.572
rs7921305	PC aa C32:3	10	133775196	G/A	0.253	0.253	-0.002	0.017	0.926	33.811
rs16903000	PC aa C32:3	5	13995236	T/C	0.297	0.297	-0.003	0.016	0.869	23.843
rs1308512	PC aa C32:3	9	87279298	A/G	0.790	0.210	-0.003	0.018	0.878	26.174
rs552334	PC aa C32:3	11	95595694	T/C	0.532	0.468	-0.003	0.015	0.816	30.927
rs961936	PC aa C32:3	11	29778265	A/G	0.426	0.426	-0.003	0.015	0.813	20.706
rs4655090	PC aa C32:3	1	23011945	C/T	0.242	0.242	-0.006	0.018	0.751	21.955
rs2710627	PC aa C32:3	2	32758627	A/G	0.648	0.352	-0.006	0.015	0.673	24.046
rs4698920	PC aa C32:3	4	105379055	G/A	0.654	0.346	-0.007	0.015	0.664	29.668
rs10986931	PC aa C32:3	9	128564209	C/T	0.582	0.418	-0.007	0.015	0.647	21.068
rs587806	PC aa C32:3	11	119882908	T/C	0.881	0.119	-0.007	0.022	0.763	21.792
rs12277713	PC aa C32:3	11	133528521	T/C	0.454	0.454	-0.007	0.015	0.631	22.492
rs35287743	PC aa C32:3	12	110057250	G/T	0.101	0.101	-0.008	0.025	0.765	32.211
rs10253861	PC aa C32:3	7	8110475	G/A	0.554	0.446	-0.008	0.015	0.589	27.117
rs7784688	PC aa C32:3	7	32966042	T/C	0.644	0.356	-0.008	0.015	0.604	20.112

rs10168768	PC aa C32:3	2	137484713	G/T	0.592	0.408	-0.008	0.015	0.578	23.198
rs6014531	PC aa C32:3	20	54403893	C/T	0.645	0.355	-0.009	0.015	0.581	19.824
rs34130665	PC aa C32:3	2	215383374	C/T	0.481	0.481	-0.009	0.014	0.551	19.976
rs16890052	PC aa C32:3	6	79184742	T/C	0.172	0.172	-0.009	0.019	0.650	20.464
rs6057026	PC aa C32:3	20	9904213	G/A	0.754	0.246	-0.009	0.017	0.595	19.369
rs12756240	PC aa C32:3	1	238433595	T/C	0.271	0.271	-0.011	0.016	0.517	20.827
rs11681451	PC aa C32:3	2	225334104	T/C	0.323	0.323	-0.011	0.015	0.449	29.493
rs2491244	PC aa C32:3	13	28599914	G/A	0.578	0.422	-0.012	0.015	0.421	28.163
rs12137549	PC aa C32:3	1	190872114	T/C	0.362	0.362	-0.013	0.015	0.401	20.463
rs11652858	PC aa C32:3	17	46844996	C/T	0.321	0.321	-0.013	0.015	0.406	23.644
rs2959495	PC aa C32:3	18	62113144	C/A	0.464	0.464	-0.013	0.015	0.359	21.467
rs587978	PC aa C32:3	11	105801770	C/T	0.468	0.468	-0.015	0.014	0.313	24.834
rs4407278	PC aa C32:3	2	648607	C/T	0.773	0.227	-0.015	0.019	0.431	28.999
rs11018771	PC aa C32:3	11	89488562	T/C	0.364	0.364	-0.015	0.016	0.355	22.745
rs1061808	PC aa C32:3	6	32136547	T/G	0.633	0.367	-0.015	0.015	0.318	37.277
rs34118828	PC aa C32:3	15	27026260	G/A	0.354	0.354	-0.015	0.015	0.305	27.147
rs4883913	PC aa C32:3	13	73145459	T/C	0.389	0.389	-0.017	0.015	0.271	20.076
rs4686704	PC aa C32:3	3	185579020	A/G	0.308	0.308	-0.018	0.016	0.253	22.345
rs7939241	PC aa C32:3	11	114859696	A/G	0.783	0.217	-0.019	0.019	0.321	27.220
rs3785229	PC aa C32:3	16	7670999	A/G	0.544	0.456	-0.019	0.015	0.194	33.209
rs2417261	PC aa C32:3	12	13414139	T/G	0.896	0.104	-0.020	0.024	0.409	20.203
rs13053329	PC aa C32:3	22	31502732	A/G	0.492	0.492	-0.020	0.015	0.174	20.342
rs2121884	PC aa C32:3	9	114638982	A/C	0.621	0.379	-0.021	0.015	0.162	20.552
rs8008842	PC aa C32:3	14	41300060	A/G	0.460	0.460	-0.022	0.014	0.130	21.593
rs13064450	PC aa C32:3	3	21077708	G/A	0.471	0.471	-0.023	0.014	0.107	25.194
rs739848	PC aa C32:3	19	18809314	C/T	0.187	0.187	-0.023	0.019	0.211	24.970
rs10889706	PC aa C32:3	1	41350787	A/C	0.303	0.303	-0.024	0.016	0.137	24.317
rs72734517	PC aa C32:3	15	76101535	C/T	0.031	0.031	-0.025	0.042	0.555	19.561
rs9422753	PC aa C32:3	10	126960137	T/C	0.197	0.197	-0.025	0.018	0.167	28.369
rs2660338	PC aa C32:3	4	41982707	A/C	0.853	0.147	-0.026	0.021	0.210	25.956
rs696815	PC aa C32:3	2	198688084	A/C	0.649	0.351	-0.027	0.015	0.082	24.826
rs72913870	PC aa C32:3	3	89047588	G/A	0.111	0.111	-0.031	0.023	0.182	33.155
rs151150389	PC aa C32:3	8	28897171	T/C	0.039	0.039	-0.035	0.037	0.344	24.179

rs13147599	PC aa C32:3	4	93784286	A/G	0.068	0.068	-0.035	0.029	0.231	21.293
rs9352784	PC aa C32:3	6	80604130	G/A	0.111	0.111	-0.037	0.023	0.103	20.774
rs4791393	PC aa C32:3	17	7822466	C/T	0.040	0.040	-0.048	0.038	0.211	20.255
rs150978694	PC aa C32:3	16	26515201	C/T	0.028	0.028	-0.052	0.045	0.246	21.246
rs117875805	PC aa C32:3	7	53786445	T/C	0.023	0.023	-0.053	0.049	0.287	21.403
rs11882956	PC aa C32:3	19	5900470	G/A	0.026	0.026	-0.063	0.049	0.198	21.213
rs79416180	PC aa C32:3	7	136623471	C/T	0.094	0.094	-0.063	0.025	0.012	19.640
rs11641525	PC aa C32:3	16	89691310	G/A	0.046	0.046	-0.067	0.035	0.057	24.345
rs114621346	PC aa C36:0	1	159171474	G/A	0.017	0.017	0.142	0.058	0.015	22.680
rs115005266	PC aa C36:0	6	24249780	C/T	0.022	0.022	0.083	0.050	0.097	19.475
rs117875805	PC aa C36:0	7	53786445	T/C	0.023	0.023	0.056	0.050	0.258	21.403
rs72843234	PC aa C36:0	2	134435162	T/C	0.024	0.024	0.056	0.049	0.253	20.015
rs2631024	PC aa C36:0	8	91995577	A/G	0.742	0.258	0.054	0.017	0.001	26.091
rs76157199	PC aa C36:0	2	98541874	A/G	0.036	0.036	0.051	0.039	0.186	20.162
rs79958999	PC aa C36:0	13	40758670	G/A	0.014	0.014	0.044	0.072	0.542	24.095
rs111650147	PC aa C36:0	1	95528581	T/C	0.032	0.032	0.043	0.043	0.317	21.763
rs34330406	PC aa C36:0	2	180803486	C/T	0.017	0.017	0.043	0.063	0.497	22.477
rs1346075	PC aa C36:0	4	68028922	T/G	0.543	0.457	0.040	0.015	0.006	20.095
rs117794620	PC aa C36:0	17	28991182	A/G	0.023	0.023	0.035	0.056	0.526	23.071
rs587806	PC aa C36:0	11	119882908	T/C	0.881	0.119	0.030	0.023	0.179	21.792
rs150534	PC aa C36:0	5	60503133	G/A	0.520	0.480	0.030	0.014	0.037	31.772
rs10977243	PC aa C36:0	9	8672042	A/G	0.089	0.089	0.029	0.026	0.251	19.735
rs9597573	PC aa C36:0	13	58110178	T/C	0.442	0.442	0.028	0.015	0.054	20.845
rs4762172	PC aa C36:0	12	95493912	T/C	0.086	0.086	0.028	0.026	0.289	24.668
rs2037711	PC aa C36:0	13	85476417	C/A	0.319	0.319	0.027	0.016	0.080	19.835
rs112423942	PC aa C36:0	4	189790022	C/T	0.043	0.043	0.024	0.036	0.493	21.867
rs6882046	PC aa C36:0	5	87968864	A/G	0.271	0.271	0.024	0.017	0.148	44.873
rs151150389	PC aa C36:0	8	28897171	T/C	0.039	0.039	0.023	0.037	0.539	24.179
rs1788823	PC aa C36:0	18	21114917	A/G	0.654	0.346	0.022	0.015	0.150	33.261
rs3999544	PC aa C36:0	6	26285867	C/T	0.549	0.451	0.022	0.014	0.128	25.749
rs62525716	PC aa C36:0	8	130056308	C/T	0.141	0.141	0.020	0.021	0.331	21.025
rs13012149	PC aa C36:0	2	122611171	G/A	0.593	0.407	0.020	0.015	0.181	20.169
rs7921305	PC aa C36:0	10	133775196	G/A	0.254	0.254	0.020	0.017	0.244	33.811

rs2471325	PC aa C36:0	4	3024044	C/T	0.322	0.322	0.019	0.016	0.223	28.131
rs11652858	PC aa C36:0	17	46844996	C/T	0.321	0.321	0.019	0.016	0.228	23.644
rs6978112	PC aa C36:0	7	1966841	C/T	0.405	0.405	0.018	0.015	0.213	38.200
rs11251692	PC aa C36:0	10	364707	C/T	0.130	0.130	0.018	0.021	0.399	21.753
rs7784688	PC aa C36:0	7	32966042	T/C	0.644	0.356	0.018	0.015	0.242	20.112
rs11681451	PC aa C36:0	2	225334104	T/C	0.323	0.323	0.018	0.015	0.249	29.493
rs13248299	PC aa C36:0	8	106306761	C/T	0.550	0.450	0.016	0.015	0.267	20.653
rs11227478	PC aa C36:0	11	66173400	G/A	0.210	0.210	0.016	0.018	0.383	30.390
rs6780833	PC aa C36:0	3	137067993	G/A	0.391	0.391	0.016	0.015	0.298	29.645
rs11692083	PC aa C36:0	2	59212187	G/A	0.567	0.433	0.016	0.015	0.293	35.281
rs10168768	PC aa C36:0	2	137484713	G/T	0.592	0.408	0.014	0.015	0.325	23.198
rs281219	PC aa C36:0	15	47711652	A/G	0.792	0.208	0.014	0.018	0.430	36.335
rs35287743	PC aa C36:0	12	110057250	G/T	0.101	0.101	0.013	0.025	0.607	32.211
rs4655090	PC aa C36:0	1	23011945	C/T	0.242	0.242	0.013	0.018	0.482	21.955
rs35164264	PC aa C36:0	17	41150021	A/G	0.075	0.075	0.012	0.028	0.657	22.391
rs12629217	PC aa C36:0	3	143442254	C/T	0.194	0.194	0.012	0.018	0.504	22.348
rs35069754	PC aa C36:0	5	2295044	A/G	0.126	0.126	0.012	0.022	0.599	22.132
rs4698920	PC aa C36:0	4	105379055	G/A	0.654	0.346	0.012	0.015	0.443	29.668
rs7939241	PC aa C36:0	11	114859696	A/G	0.783	0.217	0.012	0.019	0.537	27.220
rs8008842	PC aa C36:0	14	41300060	A/G	0.460	0.460	0.011	0.015	0.433	21.593
rs9264979	PC aa C36:0	6	31279908	G/A	0.586	0.414	0.011	0.015	0.450	27.903
rs10253861	PC aa C36:0	7	8110475	G/A	0.554	0.446	0.011	0.015	0.463	27.117
rs1472157	PC aa C36:0	9	81788743	T/C	0.626	0.374	0.010	0.015	0.489	26.452
rs7562697	PC aa C36:0	2	181918896	A/G	0.681	0.319	0.010	0.015	0.522	20.513
rs10865037	PC aa C36:0	2	100871361	T/C	0.389	0.389	0.010	0.015	0.518	19.723
rs77403093	PC aa C36:0	17	57220124	C/T	0.311	0.311	0.010	0.016	0.539	20.304
rs335352	PC aa C36:0	6	155623709	G/A	0.660	0.341	0.009	0.015	0.557	21.453
rs11641525	PC aa C36:0	16	89691310	G/A	0.046	0.046	0.007	0.036	0.842	24.345
rs1557341	PC aa C36:0	18	35127427	A/C	0.651	0.349	0.007	0.015	0.648	22.613
rs66922415	PC aa C36:0	18	57848651	A/G	0.241	0.241	0.007	0.017	0.674	40.296
rs61817482	PC aa C36:0	1	204570347	G/A	0.201	0.201	0.007	0.018	0.716	25.528
rs9847830	PC aa C36:0	3	100861030	A/C	0.173	0.173	0.006	0.020	0.753	19.773
rs60313989	PC aa C36:0	8	132075266	G/A	0.409	0.409	0.006	0.015	0.700	19.319

rs12434775	PC aa C36:0	14	69524809	G/A	0.331	0.331	0.006	0.015	0.712	22.177
rs1819982	PC aa C36:0	5	168614172	C/A	0.533	0.467	0.006	0.015	0.698	20.776
rs961936	PC aa C36:0	11	29778265	A/G	0.426	0.426	0.005	0.015	0.733	20.706
rs11018771	PC aa C36:0	11	89488562	T/C	0.364	0.364	0.005	0.016	0.757	22.745
rs139954992	PC aa C36:0	22	50992048	G/A	0.025	0.025	0.005	0.051	0.927	19.970
rs62366395	PC aa C36:0	5	104370644	G/A	0.049	0.049	0.004	0.034	0.896	21.288
rs2915124	PC aa C36:0	1	68688538	A/G	0.219	0.219	0.004	0.018	0.809	27.393
rs6767669	PC aa C36:0	3	116599500	G/A	0.266	0.266	0.004	0.017	0.828	26.575
rs11102404	PC aa C36:0	1	112721915	G/A	0.653	0.347	0.003	0.015	0.844	30.153
rs2117028	PC aa C36:0	12	49480948	G/A	0.436	0.436	0.002	0.015	0.910	26.102
rs898751	PC aa C36:0	17	2291863	C/T	0.488	0.488	0.001	0.015	0.929	27.171
rs552334	PC aa C36:0	11	95595694	T/C	0.532	0.468	0.001	0.015	0.937	30.927
rs117764493	PC aa C36:0	13	102131922	T/G	0.026	0.026	0.001	0.047	0.985	20.480
rs7626445	PC aa C36:0	3	49114544	C/T	0.652	0.348	0.000	0.015	0.978	31.540
rs10986931	PC aa C36:0	9	128564209	C/T	0.582	0.418	0.000	0.015	0.982	21.068
rs7871511	PC aa C36:0	9	5555160	A/C	0.175	0.175	0.000	0.019	0.987	20.800
rs4407278	PC aa C36:0	2	648607	C/T	0.773	0.227	-0.001	0.019	0.980	28.999
rs12277713	PC aa C36:0	11	133528521	T/C	0.454	0.454	-0.002	0.015	0.907	22.492
rs34118828	PC aa C36:0	15	27026260	G/A	0.354	0.354	-0.002	0.015	0.902	27.147
rs1039720	PC aa C36:0	18	73758482	G/A	0.793	0.207	-0.002	0.018	0.905	24.402
rs2959495	PC aa C36:0	18	62113144	C/A	0.464	0.464	-0.004	0.015	0.798	21.467
rs11128045	PC aa C36:0	3	88498034	T/C	0.389	0.389	-0.004	0.015	0.772	20.977
rs13322059	PC aa C36:0	3	156310778	A/C	0.248	0.248	-0.004	0.019	0.815	19.317
rs4883913	PC aa C36:0	13	73145459	T/C	0.389	0.389	-0.005	0.015	0.765	20.076
rs10889706	PC aa C36:0	1	41350787	A/C	0.303	0.303	-0.005	0.016	0.777	24.317
rs35996140	PC aa C36:0	3	68521478	C/A	0.205	0.205	-0.005	0.018	0.790	20.333
rs3795944	PC aa C36:0	2	23920545	A/G	0.549	0.452	-0.006	0.014	0.689	23.117
rs13064450	PC aa C36:0	3	21077708	G/A	0.471	0.471	-0.006	0.015	0.681	25.194
rs16903000	PC aa C36:0	5	13995236	T/C	0.297	0.297	-0.006	0.016	0.695	23.843
rs2417261	PC aa C36:0	12	13414139	T/G	0.896	0.104	-0.006	0.024	0.797	20.203
rs34130665	PC aa C36:0	2	215383374	C/T	0.481	0.481	-0.006	0.014	0.658	19.976
rs696815	PC aa C36:0	2	198688084	A/C	0.649	0.352	-0.006	0.016	0.679	24.826
rs880597	PC aa C36:0	9	102168293	C/T	0.331	0.331	-0.007	0.015	0.670	24.234

rs2425052	PC aa C36:0	20	33880729	A/C	0.445	0.445	-0.007	0.015	0.646	25.907
rs2694633	PC aa C36:0	2	61540642	A/C	0.681	0.319	-0.008	0.016	0.619	24.389
rs72880354	PC aa C36:0	1	28683713	G/A	0.310	0.310	-0.008	0.016	0.618	19.834
rs1421085	PC aa C36:0	16	53800954	T/C	0.405	0.405	-0.009	0.015	0.536	84.782
rs9352784	PC aa C36:0	6	80604130	G/A	0.112	0.112	-0.009	0.023	0.685	20.774
rs6430204	PC aa C36:0	2	148343718	C/T	0.462	0.462	-0.010	0.015	0.508	27.909
rs2660338	PC aa C36:0	4	41982707	A/C	0.853	0.147	-0.012	0.021	0.566	25.956
rs2491244	PC aa C36:0	13	28599914	G/A	0.578	0.422	-0.013	0.015	0.390	28.163
rs3785229	PC aa C36:0	16	7670999	A/G	0.544	0.456	-0.013	0.015	0.393	33.209
rs12137549	PC aa C36:0	1	190872114	T/C	0.362	0.362	-0.013	0.015	0.377	20.463
rs6057026	PC aa C36:0	20	9904213	G/A	0.754	0.246	-0.013	0.017	0.443	19.369
rs745136	PC aa C36:0	15	96899827	T/G	0.534	0.466	-0.014	0.016	0.392	23.065
rs16890052	PC aa C36:0	6	79184742	T/C	0.172	0.172	-0.014	0.019	0.469	20.464
rs2121884	PC aa C36:0	9	114638982	A/C	0.621	0.379	-0.016	0.015	0.294	20.552
rs112060520	PC aa C36:0	3	117671421	G/T	0.296	0.296	-0.016	0.016	0.304	22.751
rs6014531	PC aa C36:0	20	54403893	C/T	0.645	0.355	-0.016	0.015	0.294	19.824
rs62180989	PC aa C36:0	2	191271244	C/T	0.322	0.322	-0.016	0.016	0.295	27.421
rs60795232	PC aa C36:0	2	236680476	A/G	0.282	0.282	-0.017	0.016	0.297	29.572
rs1061808	PC aa C36:0	6	32136547	T/G	0.633	0.367	-0.021	0.015	0.172	37.277
rs4791393	PC aa C36:0	17	7822466	C/T	0.040	0.040	-0.021	0.039	0.584	20.255
rs2710627	PC aa C36:0	2	32758627	A/G	0.648	0.352	-0.022	0.015	0.151	24.046
rs4686704	PC aa C36:0	3	185579020	A/G	0.307	0.307	-0.022	0.016	0.174	22.345
rs13053329	PC aa C36:0	22	31502732	A/G	0.492	0.492	-0.023	0.015	0.125	20.342
rs72913870	PC aa C36:0	3	89047588	G/A	0.111	0.111	-0.023	0.023	0.323	33.155
rs587978	PC aa C36:0	11	105801770	C/T	0.468	0.468	-0.023	0.015	0.107	24.834
rs739848	PC aa C36:0	19	18809314	C/T	0.187	0.187	-0.025	0.019	0.186	24.970
rs150262359	PC aa C36:0	16	29006757	G/A	0.044	0.044	-0.029	0.037	0.429	21.395
rs79416180	PC aa C36:0	7	136623471	C/T	0.094	0.094	-0.030	0.025	0.238	19.640
rs1308512	PC aa C36:0	9	87279298	A/G	0.790	0.210	-0.031	0.018	0.084	26.174
rs12756240	PC aa C36:0	1	238433595	T/C	0.271	0.271	-0.033	0.016	0.042	20.827
rs150978694	PC aa C36:0	16	26515201	C/T	0.028	0.028	-0.035	0.045	0.443	21.246
rs2292239	PC aa C36:0	12	56482180	T/G	0.663	0.338	-0.037	0.015	0.017	29.926
rs11882956	PC aa C36:0	19	5900470	G/A	0.026	0.026	-0.037	0.049	0.453	21.213

rs76176628	PC aa C36:0	19	36345767	T/C	0.050	0.050	-0.046	0.034	0.179	27.617
rs13147599	PC aa C36:0	4	93784286	A/G	0.068	0.068	-0.047	0.029	0.114	21.293
rs72734517	PC aa C36:0	15	76101535	C/T	0.031	0.031	-0.056	0.043	0.193	19.561
rs9422753	PC aa C36:0	10	126960137	T/C	0.197	0.197	-0.058	0.018	0.002	28.369
rs111650147	PC aa C36:4	1	95528581	T/C	0.032	0.032	0.097	0.044	0.026	21.763
rs117794620	PC aa C36:4	17	28991182	A/G	0.023	0.023	0.087	0.056	0.124	23.071
rs34330406	PC aa C36:4	2	180803486	C/T	0.017	0.017	0.083	0.063	0.191	22.477
rs114621346	PC aa C36:4	1	159171474	G/A	0.017	0.017	0.074	0.059	0.210	22.680
rs4762172	PC aa C36:4	12	95493912	T/C	0.086	0.086	0.064	0.026	0.016	24.668
rs76157199	PC aa C36:4	2	98541874	A/G	0.036	0.036	0.054	0.039	0.168	20.162
rs66922415	PC aa C36:4	18	57848651	A/G	0.241	0.241	0.044	0.017	0.010	40.296
rs10977243	PC aa C36:4	9	8672042	A/G	0.089	0.089	0.042	0.026	0.104	19.735
rs115005266	PC aa C36:4	6	24249780	C/T	0.022	0.022	0.035	0.050	0.486	19.475
rs11227478	PC aa C36:4	11	66173400	G/A	0.210	0.210	0.033	0.018	0.068	30.390
rs880597	PC aa C36:4	9	102168293	C/T	0.331	0.331	0.029	0.016	0.064	24.234
rs11128045	PC aa C36:4	3	88498034	T/C	0.389	0.389	0.027	0.015	0.076	20.977
rs9264979	PC aa C36:4	6	31279908	G/A	0.586	0.414	0.026	0.015	0.086	27.903
rs6882046	PC aa C36:4	5	87968864	A/G	0.271	0.271	0.026	0.017	0.126	44.873
rs72880354	PC aa C36:4	1	28683713	G/A	0.310	0.310	0.024	0.016	0.128	19.834
rs2915124	PC aa C36:4	1	68688538	A/G	0.219	0.219	0.023	0.018	0.192	27.393
rs745136	PC aa C36:4	15	96899827	T/G	0.534	0.466	0.023	0.016	0.152	23.065
rs35069754	PC aa C36:4	5	2295044	A/G	0.126	0.126	0.021	0.022	0.349	22.132
rs76176628	PC aa C36:4	19	36345767	T/C	0.050	0.050	0.021	0.034	0.548	27.617
rs2037711	PC aa C36:4	13	85476417	C/A	0.319	0.319	0.021	0.016	0.193	19.835
rs11251692	PC aa C36:4	10	364707	C/T	0.130	0.130	0.018	0.022	0.417	21.753
rs2117028	PC aa C36:4	12	49480948	G/A	0.436	0.436	0.017	0.016	0.265	26.102
rs12434775	PC aa C36:4	14	69524809	G/A	0.331	0.331	0.017	0.015	0.264	22.177
rs1039720	PC aa C36:4	18	73758482	G/A	0.793	0.207	0.016	0.018	0.373	24.402
rs11692083	PC aa C36:4	2	59212187	G/A	0.567	0.433	0.016	0.015	0.274	35.281
rs2631024	PC aa C36:4	8	91995577	A/G	0.742	0.258	0.015	0.017	0.355	26.091
rs3999544	PC aa C36:4	6	26285867	C/T	0.549	0.451	0.014	0.015	0.332	25.749
rs4655090	PC aa C36:4	1	23011945	C/T	0.242	0.242	0.013	0.018	0.456	21.955
rs13248299	PC aa C36:4	8	106306761	C/T	0.550	0.450	0.013	0.015	0.377	20.653

rs13012149	PC aa C36:4	2	122611171	G/A	0.593	0.407	0.013	0.015	0.396	20.169
rs139954992	PC aa C36:4	22	50992048	G/A	0.025	0.025	0.012	0.051	0.812	19.970
rs1346075	PC aa C36:4	4	68028922	T/G	0.543	0.457	0.012	0.015	0.417	20.095
rs112423942	PC aa C36:4	4	189790022	C/T	0.043	0.043	0.012	0.036	0.741	21.867
rs34118828	PC aa C36:4	15	27026260	G/A	0.354	0.354	0.011	0.015	0.478	27.147
rs9847830	PC aa C36:4	3	100861030	A/C	0.173	0.173	0.009	0.020	0.642	19.773
rs2491244	PC aa C36:4	13	28599914	G/A	0.578	0.422	0.009	0.015	0.536	28.163
rs9597573	PC aa C36:4	13	58110178	T/C	0.442	0.442	0.009	0.015	0.539	20.845
rs35287743	PC aa C36:4	12	110057250	G/T	0.101	0.101	0.008	0.026	0.751	32.211
rs10253861	PC aa C36:4	7	8110475	G/A	0.554	0.446	0.007	0.015	0.623	27.117
rs7921305	PC aa C36:4	10	133775196	G/A	0.254	0.254	0.007	0.017	0.672	33.811
rs34130665	PC aa C36:4	2	215383374	C/T	0.481	0.481	0.007	0.015	0.631	19.976
rs35996140	PC aa C36:4	3	68521478	C/A	0.205	0.205	0.007	0.018	0.713	20.333
rs6430204	PC aa C36:4	2	148343718	C/T	0.462	0.462	0.007	0.015	0.667	27.909
rs8008842	PC aa C36:4	14	41300060	A/G	0.460	0.460	0.007	0.015	0.652	21.593
rs1472157	PC aa C36:4	9	81788743	T/C	0.626	0.374	0.006	0.015	0.672	26.452
rs60313989	PC aa C36:4	8	132075266	G/A	0.409	0.409	0.006	0.015	0.673	19.319
rs150534	PC aa C36:4	5	60503133	G/A	0.520	0.480	0.006	0.015	0.680	31.772
rs35164264	PC aa C36:4	17	41150021	A/G	0.075	0.075	0.006	0.028	0.846	22.391
rs1308512	PC aa C36:4	9	87279298	A/G	0.790	0.210	0.005	0.018	0.767	26.174
rs2121884	PC aa C36:4	9	114638982	A/C	0.621	0.379	0.005	0.015	0.732	20.552
rs7562697	PC aa C36:4	2	181918896	A/G	0.681	0.319	0.005	0.016	0.751	20.513
rs6978112	PC aa C36:4	7	1966841	C/T	0.405	0.405	0.004	0.015	0.783	38.200
rs12277713	PC aa C36:4	11	133528521	T/C	0.454	0.454	0.004	0.015	0.810	22.492
rs62180989	PC aa C36:4	2	191271244	C/T	0.322	0.322	0.004	0.016	0.819	27.421
rs72843234	PC aa C36:4	2	134435162	T/C	0.024	0.024	0.003	0.049	0.946	20.015
rs587806	PC aa C36:4	11	119882908	T/C	0.882	0.119	0.003	0.023	0.911	21.792
rs61817482	PC aa C36:4	1	204570347	G/A	0.201	0.201	0.002	0.018	0.909	25.528
rs11641525	PC aa C36:4	16	89691310	G/A	0.046	0.046	0.002	0.036	0.965	24.345
rs6014531	PC aa C36:4	20	54403893	C/T	0.645	0.355	0.002	0.016	0.920	19.824
rs4686704	PC aa C36:4	3	185579020	A/G	0.308	0.308	0.001	0.016	0.939	22.345
rs2425052	PC aa C36:4	20	33880729	A/C	0.445	0.445	0.001	0.015	0.972	25.907
rs4407278	PC aa C36:4	2	648607	C/T	0.773	0.227	0.001	0.019	0.978	28.999

rs1819982	PC aa C36:4	5	168614172	C/A	0.533	0.467	0.000	0.015	0.978	20.776
rs6767669	PC aa C36:4	3	116599500	G/A	0.266	0.266	0.000	0.017	0.980	26.575
rs13053329	PC aa C36:4	22	31502732	A/G	0.492	0.492	0.000	0.015	0.993	20.342
rs961936	PC aa C36:4	11	29778265	A/G	0.426	0.426	0.000	0.015	0.993	20.706
rs10986931	PC aa C36:4	9	128564209	C/T	0.582	0.418	0.000	0.015	0.981	21.068
rs2694633	PC aa C36:4	2	61540642	A/C	0.681	0.319	-0.001	0.016	0.970	24.389
rs1061808	PC aa C36:4	6	32136547	T/G	0.633	0.367	-0.001	0.015	0.963	37.277
rs1788823	PC aa C36:4	18	21114917	A/G	0.654	0.346	-0.001	0.015	0.947	33.261
rs552334	PC aa C36:4	11	95595694	T/C	0.532	0.468	-0.001	0.015	0.941	30.927
rs12756240	PC aa C36:4	1	238433595	T/C	0.271	0.271	-0.002	0.017	0.919	20.827
rs6780833	PC aa C36:4	3	137067993	G/A	0.391	0.391	-0.002	0.015	0.886	29.645
rs4883913	PC aa C36:4	13	73145459	T/C	0.389	0.389	-0.002	0.015	0.879	20.076
rs4791393	PC aa C36:4	17	7822466	C/T	0.040	0.040	-0.002	0.039	0.951	20.255
rs10865037	PC aa C36:4	2	100871361	T/C	0.389	0.389	-0.003	0.015	0.851	19.723
rs2292239	PC aa C36:4	12	56482180	T/G	0.663	0.338	-0.003	0.015	0.851	29.926
rs898751	PC aa C36:4	17	2291863	C/T	0.488	0.488	-0.004	0.015	0.803	27.171
rs7784688	PC aa C36:4	7	32966042	T/C	0.644	0.356	-0.004	0.015	0.795	20.112
rs10889706	PC aa C36:4	1	41350787	A/C	0.303	0.303	-0.005	0.016	0.760	24.317
rs12137549	PC aa C36:4	1	190872114	T/C	0.362	0.362	-0.005	0.015	0.743	20.463
rs11681451	PC aa C36:4	2	225334104	T/C	0.323	0.323	-0.005	0.015	0.739	29.493
rs1557341	PC aa C36:4	18	35127427	A/C	0.651	0.349	-0.006	0.016	0.698	22.613
rs62525716	PC aa C36:4	8	130056308	C/T	0.141	0.141	-0.006	0.021	0.775	21.025
rs77403093	PC aa C36:4	17	57220124	C/T	0.311	0.311	-0.006	0.016	0.703	20.304
rs3795944	PC aa C36:4	2	23920545	A/G	0.549	0.452	-0.006	0.015	0.677	23.117
rs11102404	PC aa C36:4	1	112721915	G/A	0.653	0.347	-0.007	0.015	0.655	30.153
rs335352	PC aa C36:4	6	155623709	G/A	0.660	0.341	-0.008	0.015	0.612	21.453
rs7626445	PC aa C36:4	3	49114544	C/T	0.652	0.348	-0.009	0.015	0.577	31.540
rs1421085	PC aa C36:4	16	53800954	T/C	0.405	0.405	-0.009	0.015	0.549	84.782
rs6057026	PC aa C36:4	20	9904213	G/A	0.754	0.246	-0.009	0.018	0.615	19.369
rs112060520	PC aa C36:4	3	117671421	G/T	0.296	0.296	-0.009	0.016	0.557	22.751
rs13064450	PC aa C36:4	3	21077708	G/A	0.471	0.471	-0.010	0.015	0.508	25.194
rs16890052	PC aa C36:4	6	79184742	T/C	0.172	0.172	-0.010	0.020	0.608	20.464
rs696815	PC aa C36:4	2	198688084	A/C	0.649	0.351	-0.011	0.016	0.496	24.826

rs117875805	PC aa C36:4	7	53786445	T/C	0.023	0.023	-0.011	0.050	0.827	21.403
rs60795232	PC aa C36:4	2	236680476	A/G	0.282	0.282	-0.011	0.016	0.492	29.572
rs281219	PC aa C36:4	15	47711652	A/G	0.792	0.208	-0.013	0.018	0.489	36.335
rs4698920	PC aa C36:4	4	105379055	G/A	0.654	0.346	-0.013	0.015	0.395	29.668
rs587978	PC aa C36:4	11	105801770	C/T	0.468	0.468	-0.013	0.015	0.365	24.834
rs13322059	PC aa C36:4	3	156310778	A/C	0.248	0.248	-0.016	0.019	0.408	19.317
rs2471325	PC aa C36:4	4	3024044	C/T	0.322	0.322	-0.016	0.016	0.310	28.131
rs16903000	PC aa C36:4	5	13995236	T/C	0.297	0.297	-0.016	0.016	0.310	23.843
rs10168768	PC aa C36:4	2	137484713	G/T	0.592	0.408	-0.016	0.015	0.268	23.198
rs11652858	PC aa C36:4	17	46844996	C/T	0.321	0.321	-0.017	0.016	0.282	23.644
rs7871511	PC aa C36:4	9	5555160	A/C	0.175	0.175	-0.017	0.020	0.381	20.800
rs11018771	PC aa C36:4	11	89488562	T/C	0.364	0.364	-0.018	0.016	0.271	22.745
rs2417261	PC aa C36:4	12	13414139	T/G	0.896	0.104	-0.018	0.024	0.463	20.203
rs2959495	PC aa C36:4	18	62113144	C/A	0.464	0.464	-0.021	0.015	0.158	21.467
rs3785229	PC aa C36:4	16	7670999	A/G	0.544	0.456	-0.022	0.015	0.140	33.209
rs12629217	PC aa C36:4	3	143442254	C/T	0.194	0.194	-0.025	0.019	0.173	22.348
rs150262359	PC aa C36:4	16	29006757	G/A	0.044	0.044	-0.026	0.037	0.489	21.395
rs7939241	PC aa C36:4	11	114859696	A/G	0.783	0.217	-0.026	0.019	0.174	27.220
rs9422753	PC aa C36:4	10	126960137	T/C	0.197	0.197	-0.027	0.018	0.139	28.369
rs62366395	PC aa C36:4	5	104370644	G/A	0.049	0.049	-0.031	0.034	0.368	21.288
rs2710627	PC aa C36:4	2	32758627	A/G	0.648	0.352	-0.034	0.015	0.028	24.046
rs117764493	PC aa C36:4	13	102131922	T/G	0.026	0.026	-0.035	0.047	0.455	20.480
rs2660338	PC aa C36:4	4	41982707	A/C	0.853	0.147	-0.041	0.021	0.049	25.956
rs150978694	PC aa C36:4	16	26515201	C/T	0.028	0.028	-0.045	0.045	0.321	21.246
rs739848	PC aa C36:4	19	18809314	C/T	0.187	0.187	-0.050	0.019	0.009	24.970
rs9352784	PC aa C36:4	6	80604130	G/A	0.112	0.112	-0.051	0.023	0.029	20.774
rs79416180	PC aa C36:4	7	136623471	C/T	0.094	0.094	-0.053	0.025	0.036	19.640
rs151150389	PC aa C36:4	8	28897171	T/C	0.039	0.039	-0.053	0.037	0.153	24.179
rs13147599	PC aa C36:4	4	93784286	A/G	0.068	0.068	-0.054	0.030	0.071	21.293
rs72913870	PC aa C36:4	3	89047588	G/A	0.111	0.111	-0.059	0.024	0.012	33.155
rs72734517	PC aa C36:4	15	76101535	C/T	0.031	0.031	-0.085	0.043	0.049	19.561
rs11882956	PC aa C36:4	19	5900470	G/A	0.026	0.026	-0.108	0.049	0.029	21.213
rs79958999	PC aa C36:4	13	40758670	G/A	0.014	0.014	-0.124	0.073	0.087	24.095

rs66922415	PC aa C38:3	18	57848651	A/G	0.241	0.241	0.051	0.017	0.003	40.296
rs35287743	PC aa C38:3	12	110057250	G/T	0.101	0.101	0.046	0.025	0.070	32.211
rs76157199	PC aa C38:3	2	98541874	A/G	0.036	0.036	0.040	0.039	0.300	20.162
rs115005266	PC aa C38:3	6	24249780	C/T	0.022	0.022	0.036	0.050	0.477	19.475
rs4762172	PC aa C38:3	12	95493912	T/C	0.086	0.086	0.034	0.026	0.187	24.668
rs35996140	PC aa C38:3	3	68521478	C/A	0.205	0.205	0.031	0.018	0.082	20.333
rs11227478	PC aa C38:3	11	66173400	G/A	0.210	0.210	0.030	0.018	0.097	30.390
rs12434775	PC aa C38:3	14	69524809	G/A	0.331	0.331	0.026	0.015	0.088	22.177
rs62525716	PC aa C38:3	8	130056308	C/T	0.141	0.141	0.025	0.021	0.229	21.025
rs11128045	PC aa C38:3	3	88498034	T/C	0.389	0.389	0.025	0.015	0.107	20.977
rs880597	PC aa C38:3	9	102168293	C/T	0.331	0.331	0.024	0.015	0.114	24.234
rs6882046	PC aa C38:3	5	87968864	A/G	0.271	0.271	0.024	0.017	0.155	44.873
rs9597573	PC aa C38:3	13	58110178	T/C	0.442	0.442	0.024	0.015	0.109	20.845
rs10977243	PC aa C38:3	9	8672042	A/G	0.089	0.089	0.023	0.026	0.381	19.735
rs6430204	PC aa C38:3	2	148343718	C/T	0.462	0.462	0.023	0.015	0.140	27.909
rs6978112	PC aa C38:3	7	1966841	C/T	0.406	0.406	0.021	0.015	0.152	38.200
rs2037711	PC aa C38:3	13	85476417	C/A	0.319	0.319	0.021	0.016	0.190	19.835
rs13248299	PC aa C38:3	8	106306761	C/T	0.550	0.450	0.020	0.015	0.177	20.653
rs2631024	PC aa C38:3	8	91995577	A/G	0.742	0.258	0.019	0.017	0.251	26.091
rs745136	PC aa C38:3	15	96899827	T/G	0.534	0.466	0.018	0.016	0.250	23.065
rs62180989	PC aa C38:3	2	191271244	C/T	0.322	0.322	0.016	0.016	0.294	27.421
rs11251692	PC aa C38:3	10	364707	C/T	0.130	0.130	0.015	0.022	0.482	21.753
rs9264979	PC aa C38:3	6	31279908	G/A	0.586	0.414	0.015	0.015	0.327	27.903
rs10253861	PC aa C38:3	7	8110475	G/A	0.554	0.446	0.014	0.015	0.352	27.117
rs4407278	PC aa C38:3	2	648607	C/T	0.774	0.226	0.013	0.019	0.481	28.999
rs34118828	PC aa C38:3	15	27026260	G/A	0.354	0.354	0.013	0.015	0.398	27.147
rs77403093	PC aa C38:3	17	57220124	C/T	0.311	0.311	0.013	0.016	0.424	20.304
rs6767669	PC aa C38:3	3	116599500	G/A	0.266	0.266	0.011	0.017	0.527	26.575
rs34130665	PC aa C38:3	2	215383374	C/T	0.481	0.481	0.010	0.015	0.475	19.976
rs10986931	PC aa C38:3	9	128564209	C/T	0.582	0.418	0.010	0.015	0.514	21.068
rs6780833	PC aa C38:3	3	137067993	G/A	0.391	0.391	0.010	0.015	0.524	29.645
rs72880354	PC aa C38:3	1	28683713	G/A	0.310	0.310	0.010	0.016	0.540	19.834
rs7562697	PC aa C38:3	2	181918896	A/G	0.681	0.319	0.009	0.015	0.569	20.513

rs76176628	PC aa C38:3	19	36345767	T/C	0.050	0.050	0.009	0.034	0.802	27.617
rs335352	PC aa C38:3	6	155623709	G/A	0.659	0.341	0.008	0.015	0.583	21.453
rs112060520	PC aa C38:3	3	117671421	G/T	0.296	0.296	0.008	0.016	0.614	22.751
rs3999544	PC aa C38:3	6	26285867	C/T	0.549	0.451	0.007	0.015	0.630	25.749
rs1421085	PC aa C38:3	16	53800954	T/C	0.405	0.405	0.006	0.015	0.671	84.782
rs7921305	PC aa C38:3	10	133775196	G/A	0.254	0.254	0.005	0.017	0.755	33.811
rs2491244	PC aa C38:3	13	28599914	G/A	0.578	0.422	0.005	0.015	0.737	28.163
rs1557341	PC aa C38:3	18	35127427	A/C	0.651	0.349	0.004	0.015	0.783	22.613
rs1039720	PC aa C38:3	18	73758482	G/A	0.793	0.207	0.004	0.018	0.843	24.402
rs2915124	PC aa C38:3	1	68688538	A/G	0.219	0.219	0.003	0.018	0.860	27.393
rs1308512	PC aa C38:3	9	87279298	A/G	0.791	0.210	0.003	0.018	0.877	26.174
rs35069754	PC aa C38:3	5	2295044	A/G	0.126	0.126	0.003	0.022	0.910	22.132
rs61817482	PC aa C38:3	1	204570347	G/A	0.201	0.201	0.002	0.018	0.899	25.528
rs11692083	PC aa C38:3	2	59212187	G/A	0.567	0.433	0.002	0.015	0.895	35.281
rs2117028	PC aa C38:3	12	49480948	G/A	0.436	0.436	0.002	0.016	0.898	26.102
rs1061808	PC aa C38:3	6	32136547	T/G	0.633	0.367	0.002	0.015	0.909	37.277
rs1472157	PC aa C38:3	9	81788743	T/C	0.626	0.374	0.002	0.015	0.913	26.452
rs11102404	PC aa C38:3	1	112721915	G/A	0.653	0.347	0.001	0.015	0.926	30.153
rs9847830	PC aa C38:3	3	100861030	A/C	0.173	0.173	0.001	0.020	0.942	19.773
rs12756240	PC aa C38:3	1	238433595	T/C	0.271	0.271	0.000	0.016	0.990	20.827
rs2959495	PC aa C38:3	18	62113144	C/A	0.464	0.464	0.000	0.015	0.995	21.467
rs4655090	PC aa C38:3	1	23011945	C/T	0.242	0.242	0.000	0.018	0.995	21.955
rs13053329	PC aa C38:3	22	31502732	A/G	0.492	0.492	0.000	0.015	0.980	20.342
rs117875805	PC aa C38:3	7	53786445	T/C	0.023	0.023	-0.001	0.050	0.990	21.403
rs2694633	PC aa C38:3	2	61540642	A/C	0.681	0.319	-0.001	0.016	0.965	24.389
rs10889706	PC aa C38:3	1	41350787	A/C	0.303	0.303	-0.001	0.016	0.944	24.317
rs8008842	PC aa C38:3	14	41300060	A/G	0.460	0.460	-0.002	0.015	0.897	21.593
rs1346075	PC aa C38:3	4	68028922	T/G	0.543	0.457	-0.002	0.015	0.884	20.095
rs7871511	PC aa C38:3	9	5555160	A/C	0.175	0.175	-0.002	0.020	0.915	20.800
rs1788823	PC aa C38:3	18	21114917	A/G	0.654	0.346	-0.003	0.015	0.866	33.261
rs7626445	PC aa C38:3	3	49114544	C/T	0.652	0.348	-0.003	0.015	0.865	31.540
rs3795944	PC aa C38:3	2	23920545	A/G	0.549	0.452	-0.003	0.015	0.852	23.117
rs150534	PC aa C38:3	5	60503133	G/A	0.520	0.480	-0.003	0.014	0.841	31.772

rs4883913	PC aa C38:3	13	73145459	T/C	0.389	0.389	-0.003	0.015	0.823	20.076
rs587806	PC aa C38:3	11	119882908	T/C	0.882	0.119	-0.003	0.023	0.880	21.792
rs7784688	PC aa C38:3	7	32966042	T/C	0.644	0.356	-0.005	0.015	0.748	20.112
rs2292239	PC aa C38:3	12	56482180	T/G	0.663	0.338	-0.006	0.015	0.715	29.926
rs60795232	PC aa C38:3	2	236680476	A/G	0.282	0.282	-0.008	0.016	0.636	29.572
rs12277713	PC aa C38:3	11	133528521	T/C	0.454	0.454	-0.008	0.015	0.584	22.492
rs11652858	PC aa C38:3	17	46844996	C/T	0.321	0.321	-0.009	0.016	0.583	23.644
rs4698920	PC aa C38:3	4	105379055	G/A	0.654	0.346	-0.009	0.015	0.561	29.668
rs2425052	PC aa C38:3	20	33880729	A/C	0.445	0.445	-0.009	0.015	0.536	25.907
rs6057026	PC aa C38:3	20	9904213	G/A	0.754	0.246	-0.009	0.018	0.598	19.369
rs4686704	PC aa C38:3	3	185579020	A/G	0.307	0.307	-0.009	0.016	0.565	22.345
rs10168768	PC aa C38:3	2	137484713	G/T	0.592	0.408	-0.010	0.015	0.519	23.198
rs60313989	PC aa C38:3	8	132075266	G/A	0.409	0.409	-0.010	0.015	0.507	19.319
rs696815	PC aa C38:3	2	198688084	A/C	0.648	0.352	-0.010	0.016	0.519	24.826
rs11018771	PC aa C38:3	11	89488562	T/C	0.364	0.364	-0.010	0.016	0.514	22.745
rs11681451	PC aa C38:3	2	225334104	T/C	0.323	0.323	-0.011	0.015	0.486	29.493
rs13012149	PC aa C38:3	2	122611171	G/A	0.593	0.407	-0.011	0.015	0.478	20.169
rs16890052	PC aa C38:3	6	79184742	T/C	0.172	0.172	-0.011	0.019	0.562	20.464
rs13322059	PC aa C38:3	3	156310778	A/C	0.247	0.247	-0.012	0.019	0.518	19.317
rs34330406	PC aa C38:3	2	180803486	C/T	0.017	0.017	-0.012	0.063	0.843	22.477
rs3785229	PC aa C38:3	16	7670999	A/G	0.544	0.456	-0.013	0.015	0.390	33.209
rs150262359	PC aa C38:3	16	29006757	G/A	0.044	0.044	-0.013	0.037	0.720	21.395
rs2121884	PC aa C38:3	9	114638982	A/C	0.621	0.379	-0.014	0.015	0.362	20.552
rs114621346	PC aa C38:3	1	159171474	G/A	0.017	0.017	-0.014	0.059	0.811	22.680
rs13064450	PC aa C38:3	3	21077708	G/A	0.471	0.471	-0.015	0.015	0.312	25.194
rs2417261	PC aa C38:3	12	13414139	T/G	0.896	0.104	-0.015	0.024	0.546	20.203
rs35164264	PC aa C38:3	17	41150021	A/G	0.075	0.075	-0.015	0.028	0.596	22.391
rs6014531	PC aa C38:3	20	54403893	C/T	0.645	0.355	-0.016	0.016	0.313	19.824
rs7939241	PC aa C38:3	11	114859696	A/G	0.783	0.217	-0.016	0.019	0.407	27.220
rs1819982	PC aa C38:3	5	168614172	C/A	0.533	0.467	-0.016	0.015	0.276	20.776
rs12629217	PC aa C38:3	3	143442254	C/T	0.194	0.194	-0.016	0.018	0.384	22.348
rs281219	PC aa C38:3	15	47711652	A/G	0.792	0.208	-0.017	0.018	0.361	36.335
rs72843234	PC aa C38:3	2	134435162	T/C	0.024	0.024	-0.017	0.049	0.728	20.015

rs587978	PC aa C38:3	11	105801770	C/T	0.468	0.468	-0.018	0.015	0.222	24.834
rs10865037	PC aa C38:3	2	100871361	T/C	0.389	0.389	-0.018	0.015	0.219	19.723
rs117794620	PC aa C38:3	17	28991182	A/G	0.023	0.023	-0.018	0.056	0.744	23.071
rs4791393	PC aa C38:3	17	7822466	C/T	0.040	0.040	-0.019	0.039	0.620	20.255
rs9422753	PC aa C38:3	10	126960137	T/C	0.197	0.197	-0.019	0.018	0.293	28.369
rs2471325	PC aa C38:3	4	3024044	C/T	0.322	0.322	-0.020	0.016	0.193	28.131
rs2660338	PC aa C38:3	4	41982707	A/C	0.853	0.147	-0.020	0.021	0.329	25.956
rs12137549	PC aa C38:3	1	190872114	T/C	0.362	0.362	-0.021	0.015	0.169	20.463
rs16903000	PC aa C38:3	5	13995236	T/C	0.298	0.298	-0.023	0.016	0.145	23.843
rs739848	PC aa C38:3	19	18809314	C/T	0.187	0.187	-0.024	0.019	0.212	24.970
rs898751	PC aa C38:3	17	2291863	C/T	0.489	0.489	-0.025	0.015	0.092	27.171
rs13147599	PC aa C38:3	4	93784286	A/G	0.068	0.068	-0.028	0.030	0.351	21.293
rs961936	PC aa C38:3	11	29778265	A/G	0.426	0.426	-0.029	0.015	0.046	20.706
rs9352784	PC aa C38:3	6	80604130	G/A	0.112	0.112	-0.030	0.023	0.203	20.774
rs151150389	PC aa C38:3	8	28897171	T/C	0.039	0.039	-0.035	0.037	0.344	24.179
rs552334	PC aa C38:3	11	95595694	T/C	0.532	0.468	-0.035	0.015	0.016	30.927
rs150978694	PC aa C38:3	16	26515201	C/T	0.028	0.028	-0.036	0.045	0.427	21.246
rs2710627	PC aa C38:3	2	32758627	A/G	0.648	0.352	-0.036	0.015	0.017	24.046
rs112423942	PC aa C38:3	4	189790022	C/T	0.043	0.043	-0.038	0.036	0.292	21.867
rs111650147	PC aa C38:3	1	95528581	T/C	0.032	0.032	-0.041	0.043	0.340	21.763
rs62366395	PC aa C38:3	5	104370644	G/A	0.049	0.049	-0.041	0.034	0.225	21.288
rs72734517	PC aa C38:3	15	76101535	C/T	0.031	0.031	-0.043	0.043	0.312	19.561
rs72913870	PC aa C38:3	3	89047588	G/A	0.111	0.111	-0.044	0.024	0.064	33.155
rs79958999	PC aa C38:3	13	40758670	G/A	0.014	0.014	-0.046	0.072	0.526	24.095
rs139954992	PC aa C38:3	22	50992048	G/A	0.025	0.025	-0.052	0.051	0.306	19.970
rs11641525	PC aa C38:3	16	89691310	G/A	0.046	0.046	-0.054	0.036	0.130	24.345
rs117764493	PC aa C38:3	13	102131922	T/G	0.026	0.026	-0.055	0.047	0.236	20.480
rs79416180	PC aa C38:3	7	136623471	C/T	0.094	0.094	-0.072	0.025	0.004	19.640
rs11882956	PC aa C38:3	19	5900470	G/A	0.026	0.026	-0.082	0.049	0.096	21.213
rs117794620	PC aa C38:4	17	28991182	A/G	0.023	0.023	0.077	0.056	0.172	23.071
rs34330406	PC aa C38:4	2	180803486	C/T	0.017	0.017	0.069	0.063	0.275	22.477
rs76157199	PC aa C38:4	2	98541874	A/G	0.036	0.036	0.054	0.039	0.167	20.162
rs114621346	PC aa C38:4	1	159171474	G/A	0.017	0.017	0.052	0.059	0.379	22.680

rs66922415	PC aa C38:4	18	57848651	A/G	0.241	0.241	0.047	0.017	0.005	40.296
rs10977243	PC aa C38:4	9	8672042	A/G	0.089	0.089	0.044	0.026	0.088	19.735
rs4762172	PC aa C38:4	12	95493912	T/C	0.086	0.086	0.043	0.026	0.101	24.668
rs6882046	PC aa C38:4	5	87968864	A/G	0.271	0.271	0.040	0.017	0.017	44.873
rs35996140	PC aa C38:4	3	68521478	C/A	0.205	0.205	0.031	0.018	0.084	20.333
rs11251692	PC aa C38:4	10	364707	C/T	0.130	0.130	0.031	0.022	0.153	21.753
rs11227478	PC aa C38:4	11	66173400	G/A	0.210	0.210	0.030	0.018	0.087	30.390
rs2915124	PC aa C38:4	1	68688538	A/G	0.219	0.219	0.030	0.018	0.091	27.393
rs880597	PC aa C38:4	9	102168293	C/T	0.331	0.331	0.027	0.015	0.077	24.234
rs12434775	PC aa C38:4	14	69524809	G/A	0.331	0.331	0.027	0.015	0.079	22.177
rs9847830	PC aa C38:4	3	100861030	A/C	0.173	0.173	0.025	0.020	0.200	19.773
rs72880354	PC aa C38:4	1	28683713	G/A	0.310	0.310	0.025	0.016	0.115	19.834
rs76176628	PC aa C38:4	19	36345767	T/C	0.050	0.050	0.018	0.034	0.588	27.617
rs9264979	PC aa C38:4	6	31279908	G/A	0.586	0.414	0.018	0.015	0.226	27.903
rs11128045	PC aa C38:4	3	88498034	T/C	0.389	0.389	0.017	0.015	0.263	20.977
rs745136	PC aa C38:4	15	96899827	T/G	0.534	0.466	0.016	0.016	0.304	23.065
rs35287743	PC aa C38:4	12	110057250	G/T	0.101	0.101	0.016	0.025	0.535	32.211
rs6978112	PC aa C38:4	7	1966841	C/T	0.406	0.406	0.016	0.015	0.286	38.200
rs2037711	PC aa C38:4	13	85476417	C/A	0.319	0.319	0.015	0.016	0.351	19.835
rs34118828	PC aa C38:4	15	27026260	G/A	0.354	0.354	0.014	0.015	0.365	27.147
rs2491244	PC aa C38:4	13	28599914	G/A	0.578	0.422	0.013	0.015	0.376	28.163
rs4655090	PC aa C38:4	1	23011945	C/T	0.242	0.242	0.013	0.018	0.470	21.955
rs10253861	PC aa C38:4	7	8110475	G/A	0.554	0.446	0.013	0.015	0.387	27.117
rs7921305	PC aa C38:4	10	133775196	G/A	0.254	0.254	0.012	0.017	0.462	33.811
rs35069754	PC aa C38:4	5	2295044	A/G	0.126	0.126	0.012	0.022	0.589	22.132
rs150534	PC aa C38:4	5	60503133	G/A	0.520	0.480	0.011	0.014	0.432	31.772
rs62525716	PC aa C38:4	8	130056308	C/T	0.141	0.141	0.011	0.021	0.588	21.025
rs2117028	PC aa C38:4	12	49480948	G/A	0.436	0.436	0.011	0.016	0.479	26.102
rs3999544	PC aa C38:4	6	26285867	C/T	0.549	0.451	0.011	0.015	0.449	25.749
rs62180989	PC aa C38:4	2	191271244	C/T	0.322	0.322	0.010	0.016	0.509	27.421
rs281219	PC aa C38:4	15	47711652	A/G	0.792	0.208	0.009	0.018	0.630	36.335
rs2425052	PC aa C38:4	20	33880729	A/C	0.445	0.445	0.008	0.015	0.594	25.907
rs587806	PC aa C38:4	11	119882908	T/C	0.882	0.118	0.007	0.022	0.741	21.792

rs9597573	PC aa C38:4	13	58110178	T/C	0.442	0.442	0.007	0.015	0.652	20.845
rs34130665	PC aa C38:4	2	215383374	C/T	0.481	0.481	0.007	0.015	0.652	19.976
rs10889706	PC aa C38:4	1	41350787	A/C	0.303	0.303	0.006	0.016	0.708	24.317
rs1346075	PC aa C38:4	4	68028922	T/G	0.543	0.457	0.006	0.015	0.676	20.095
rs6430204	PC aa C38:4	2	148343718	C/T	0.462	0.462	0.006	0.015	0.689	27.909
rs1308512	PC aa C38:4	9	87279298	A/G	0.791	0.210	0.006	0.018	0.742	26.174
rs1472157	PC aa C38:4	9	81788743	T/C	0.626	0.374	0.006	0.015	0.703	26.452
rs7562697	PC aa C38:4	2	181918896	A/G	0.681	0.319	0.005	0.015	0.735	20.513
rs2631024	PC aa C38:4	8	91995577	A/G	0.742	0.258	0.005	0.017	0.779	26.091
rs60795232	PC aa C38:4	2	236680476	A/G	0.282	0.282	0.005	0.016	0.775	29.572
rs61817482	PC aa C38:4	1	204570347	G/A	0.201	0.201	0.004	0.018	0.820	25.528
rs11692083	PC aa C38:4	2	59212187	G/A	0.567	0.433	0.004	0.015	0.792	35.281
rs6780833	PC aa C38:4	3	137067993	G/A	0.391	0.391	0.003	0.015	0.820	29.645
rs139954992	PC aa C38:4	22	50992048	G/A	0.025	0.025	0.003	0.051	0.950	19.970
rs8008842	PC aa C38:4	14	41300060	A/G	0.460	0.460	0.003	0.015	0.828	21.593
rs151150389	PC aa C38:4	8	28897171	T/C	0.039	0.039	0.003	0.037	0.933	24.179
rs13248299	PC aa C38:4	8	106306761	C/T	0.550	0.450	0.003	0.015	0.839	20.653
rs3795944	PC aa C38:4	2	23920545	A/G	0.549	0.452	0.002	0.015	0.889	23.117
rs1421085	PC aa C38:4	16	53800954	T/C	0.405	0.405	0.002	0.015	0.900	84.782
rs10865037	PC aa C38:4	2	100871361	T/C	0.389	0.389	0.001	0.015	0.954	19.723
rs2694633	PC aa C38:4	2	61540642	A/C	0.681	0.319	0.001	0.016	0.961	24.389
rs6767669	PC aa C38:4	3	116599500	G/A	0.266	0.266	0.001	0.017	0.960	26.575
rs1061808	PC aa C38:4	6	32136547	T/G	0.633	0.367	0.000	0.015	0.988	37.277
rs115005266	PC aa C38:4	6	24249780	C/T	0.022	0.022	0.000	0.050	0.994	19.475
rs2292239	PC aa C38:4	12	56482180	T/G	0.663	0.338	0.000	0.015	0.978	29.926
rs13064450	PC aa C38:4	3	21077708	G/A	0.471	0.471	-0.001	0.015	0.943	25.194
rs961936	PC aa C38:4	11	29778265	A/G	0.426	0.426	-0.001	0.015	0.921	20.706
rs2121884	PC aa C38:4	9	114638982	A/C	0.621	0.379	-0.002	0.015	0.914	20.552
rs77403093	PC aa C38:4	17	57220124	C/T	0.311	0.311	-0.002	0.016	0.914	20.304
rs1039720	PC aa C38:4	18	73758482	G/A	0.793	0.207	-0.002	0.018	0.917	24.402
rs12756240	PC aa C38:4	1	238433595	T/C	0.271	0.271	-0.002	0.016	0.899	20.827
rs7784688	PC aa C38:4	7	32966042	T/C	0.644	0.356	-0.003	0.015	0.863	20.112
rs2471325	PC aa C38:4	4	3024044	C/T	0.322	0.322	-0.003	0.016	0.855	28.131

rs4407278	PC aa C38:4	2	648607	C/T	0.774	0.226	-0.003	0.019	0.882	28.999
rs112423942	PC aa C38:4	4	189790022	C/T	0.043	0.043	-0.004	0.036	0.916	21.867
rs6057026	PC aa C38:4	20	9904213	G/A	0.754	0.246	-0.004	0.018	0.824	19.369
rs7626445	PC aa C38:4	3	49114544	C/T	0.652	0.348	-0.004	0.015	0.795	31.540
rs117875805	PC aa C38:4	7	53786445	T/C	0.023	0.023	-0.004	0.050	0.934	21.403
rs12277713	PC aa C38:4	11	133528521	T/C	0.454	0.454	-0.005	0.015	0.744	22.492
rs16890052	PC aa C38:4	6	79184742	T/C	0.172	0.172	-0.005	0.019	0.803	20.464
rs35164264	PC aa C38:4	17	41150021	A/G	0.075	0.075	-0.005	0.028	0.853	22.391
rs12137549	PC aa C38:4	1	190872114	T/C	0.362	0.362	-0.006	0.015	0.710	20.463
rs335352	PC aa C38:4	6	155623709	G/A	0.660	0.341	-0.006	0.015	0.694	21.453
rs1557341	PC aa C38:4	18	35127427	A/C	0.651	0.349	-0.007	0.015	0.629	22.613
rs4698920	PC aa C38:4	4	105379055	G/A	0.654	0.346	-0.008	0.015	0.618	29.668
rs7871511	PC aa C38:4	9	5555160	A/C	0.175	0.175	-0.009	0.020	0.658	20.800
rs4686704	PC aa C38:4	3	185579020	A/G	0.307	0.307	-0.009	0.016	0.560	22.345
rs13053329	PC aa C38:4	22	31502732	A/G	0.492	0.492	-0.010	0.015	0.517	20.342
rs11102404	PC aa C38:4	1	112721915	G/A	0.653	0.347	-0.010	0.015	0.525	30.153
rs4883913	PC aa C38:4	13	73145459	T/C	0.389	0.389	-0.010	0.015	0.516	20.076
rs13012149	PC aa C38:4	2	122611171	G/A	0.593	0.407	-0.010	0.015	0.506	20.169
rs10986931	PC aa C38:4	9	128564209	C/T	0.582	0.418	-0.010	0.015	0.491	21.068
rs11681451	PC aa C38:4	2	225334104	T/C	0.323	0.323	-0.010	0.015	0.508	29.493
rs6014531	PC aa C38:4	20	54403893	C/T	0.645	0.355	-0.010	0.016	0.508	19.824
rs3785229	PC aa C38:4	16	7670999	A/G	0.544	0.456	-0.011	0.015	0.459	33.209
rs13322059	PC aa C38:4	3	156310778	A/C	0.247	0.247	-0.011	0.019	0.560	19.317
rs16903000	PC aa C38:4	5	13995236	T/C	0.298	0.298	-0.011	0.016	0.479	23.843
rs11641525	PC aa C38:4	16	89691310	G/A	0.046	0.046	-0.012	0.036	0.746	24.345
rs696815	PC aa C38:4	2	198688084	A/C	0.648	0.352	-0.012	0.016	0.458	24.826
rs1788823	PC aa C38:4	18	21114917	A/G	0.654	0.346	-0.012	0.015	0.444	33.261
rs60313989	PC aa C38:4	8	132075266	G/A	0.409	0.409	-0.012	0.015	0.422	19.319
rs2959495	PC aa C38:4	18	62113144	C/A	0.464	0.464	-0.012	0.015	0.406	21.467
rs112060520	PC aa C38:4	3	117671421	G/T	0.296	0.296	-0.014	0.016	0.379	22.751
rs10168768	PC aa C38:4	2	137484713	G/T	0.592	0.408	-0.015	0.015	0.316	23.198
rs1819982	PC aa C38:4	5	168614172	C/A	0.533	0.467	-0.016	0.015	0.266	20.776
rs552334	PC aa C38:4	11	95595694	T/C	0.532	0.468	-0.016	0.015	0.258	30.927

rs72843234	PC aa C38:4	2	134435162	T/C	0.024	0.024	-0.017	0.049	0.731	20.015
rs587978	PC aa C38:4	11	105801770	C/T	0.468	0.468	-0.017	0.014	0.236	24.834
rs12629217	PC aa C38:4	3	143442254	C/T	0.194	0.194	-0.018	0.018	0.337	22.348
rs62366395	PC aa C38:4	5	104370644	G/A	0.049	0.049	-0.020	0.034	0.565	21.288
rs898751	PC aa C38:4	17	2291863	C/T	0.489	0.489	-0.021	0.015	0.161	27.171
rs11652858	PC aa C38:4	17	46844996	C/T	0.321	0.321	-0.021	0.016	0.181	23.644
rs150262359	PC aa C38:4	16	29006757	G/A	0.044	0.044	-0.022	0.037	0.553	21.395
rs7939241	PC aa C38:4	11	114859696	A/G	0.783	0.217	-0.024	0.019	0.209	27.220
rs11018771	PC aa C38:4	11	89488562	T/C	0.364	0.364	-0.025	0.016	0.109	22.745
rs2660338	PC aa C38:4	4	41982707	A/C	0.853	0.147	-0.029	0.021	0.166	25.956
rs2417261	PC aa C38:4	12	13414139	T/G	0.896	0.104	-0.033	0.024	0.177	20.203
rs9422753	PC aa C38:4	10	126960137	T/C	0.197	0.197	-0.033	0.018	0.069	28.369
rs4791393	PC aa C38:4	17	7822466	C/T	0.040	0.040	-0.036	0.039	0.348	20.255
rs2710627	PC aa C38:4	2	32758627	A/G	0.648	0.352	-0.038	0.015	0.013	24.046
rs739848	PC aa C38:4	19	18809314	C/T	0.187	0.187	-0.040	0.019	0.033	24.970
rs9352784	PC aa C38:4	6	80604130	G/A	0.112	0.112	-0.045	0.023	0.052	20.774
rs79416180	PC aa C38:4	7	136623471	C/T	0.094	0.094	-0.046	0.025	0.066	19.640
rs13147599	PC aa C38:4	4	93784286	A/G	0.068	0.068	-0.048	0.030	0.101	21.293
rs111650147	PC aa C38:4	1	95528581	T/C	0.032	0.032	-0.049	0.043	0.261	21.763
rs150978694	PC aa C38:4	16	26515201	C/T	0.028	0.028	-0.051	0.045	0.261	21.246
rs72734517	PC aa C38:4	15	76101535	C/T	0.031	0.031	-0.058	0.043	0.179	19.561
rs117764493	PC aa C38:4	13	102131922	T/G	0.026	0.026	-0.059	0.047	0.204	20.480
rs72913870	PC aa C38:4	3	89047588	G/A	0.111	0.111	-0.064	0.024	0.007	33.155
rs79958999	PC aa C38:4	13	40758670	G/A	0.014	0.014	-0.067	0.072	0.350	24.095
rs11882956	PC aa C38:4	19	5900470	G/A	0.026	0.026	-0.120	0.049	0.014	21.213
rs111650147	PC aa C38:6	1	95528581	T/C	0.032	0.032	0.082	0.043	0.054	21.763
rs114621346	PC aa C38:6	1	159171474	G/A	0.017	0.017	0.080	0.058	0.167	22.680
rs34330406	PC aa C38:6	2	180803486	C/T	0.017	0.017	0.051	0.062	0.412	22.477
rs76157199	PC aa C38:6	2	98541874	A/G	0.036	0.036	0.045	0.038	0.243	20.162
rs4762172	PC aa C38:6	12	95493912	T/C	0.086	0.086	0.035	0.026	0.176	24.668
rs6882046	PC aa C38:6	5	87968864	A/G	0.271	0.271	0.034	0.016	0.039	44.873
rs112423942	PC aa C38:6	4	189790022	C/T	0.043	0.043	0.033	0.035	0.347	21.867
rs150534	PC aa C38:6	5	60503133	G/A	0.520	0.480	0.028	0.014	0.048	31.772

rs61817482	PC aa C38:6	1	204570347	G/A	0.201	0.201	0.028	0.018	0.127	25.528
rs2037711	PC aa C38:6	13	85476417	C/A	0.319	0.319	0.027	0.016	0.079	19.835
rs115005266	PC aa C38:6	6	24249780	C/T	0.022	0.022	0.025	0.050	0.612	19.475
rs11227478	PC aa C38:6	11	66173400	G/A	0.210	0.210	0.025	0.018	0.162	30.390
rs151150389	PC aa C38:6	8	28897171	T/C	0.039	0.039	0.022	0.037	0.541	24.179
rs7939241	PC aa C38:6	11	114859696	A/G	0.783	0.217	0.022	0.019	0.246	27.220
rs11652858	PC aa C38:6	17	46844996	C/T	0.321	0.321	0.022	0.015	0.162	23.644
rs6978112	PC aa C38:6	7	1966841	C/T	0.406	0.406	0.021	0.015	0.152	38.200
rs2117028	PC aa C38:6	12	49480948	G/A	0.436	0.436	0.020	0.015	0.191	26.102
rs10986931	PC aa C38:6	9	128564209	C/T	0.582	0.418	0.020	0.015	0.175	21.068
rs4698920	PC aa C38:6	4	105379055	G/A	0.654	0.346	0.019	0.015	0.201	29.668
rs2425052	PC aa C38:6	20	33880729	A/C	0.445	0.445	0.019	0.015	0.186	25.907
rs11128045	PC aa C38:6	3	88498034	T/C	0.389	0.389	0.019	0.015	0.205	20.977
rs117875805	PC aa C38:6	7	53786445	T/C	0.023	0.023	0.018	0.049	0.721	21.403
rs552334	PC aa C38:6	11	95595694	T/C	0.532	0.468	0.018	0.015	0.226	30.927
rs35287743	PC aa C38:6	12	110057250	G/T	0.101	0.101	0.017	0.025	0.487	32.211
rs11681451	PC aa C38:6	2	225334104	T/C	0.323	0.323	0.017	0.015	0.253	29.493
rs9597573	PC aa C38:6	13	58110178	T/C	0.442	0.442	0.017	0.015	0.240	20.845
rs3999544	PC aa C38:6	6	26285867	C/T	0.549	0.451	0.017	0.014	0.235	25.749
rs11692083	PC aa C38:6	2	59212187	G/A	0.567	0.433	0.017	0.015	0.260	35.281
rs7871511	PC aa C38:6	9	5555160	A/C	0.175	0.175	0.016	0.019	0.401	20.800
rs13248299	PC aa C38:6	8	106306761	C/T	0.550	0.450	0.016	0.015	0.268	20.653
rs335352	PC aa C38:6	6	155623709	G/A	0.660	0.341	0.016	0.015	0.307	21.453
rs587806	PC aa C38:6	11	119882908	T/C	0.882	0.119	0.016	0.022	0.487	21.792
rs6767669	PC aa C38:6	3	116599500	G/A	0.266	0.266	0.015	0.017	0.364	26.575
rs66922415	PC aa C38:6	18	57848651	A/G	0.241	0.241	0.015	0.017	0.371	40.296
rs880597	PC aa C38:6	9	102168293	C/T	0.331	0.331	0.015	0.015	0.335	24.234
rs2631024	PC aa C38:6	8	91995577	A/G	0.742	0.258	0.015	0.016	0.376	26.091
rs4655090	PC aa C38:6	1	23011945	C/T	0.242	0.242	0.015	0.018	0.410	21.955
rs2694633	PC aa C38:6	2	61540642	A/C	0.681	0.319	0.014	0.015	0.376	24.389
rs1421085	PC aa C38:6	16	53800954	T/C	0.405	0.405	0.013	0.014	0.352	84.782
rs117794620	PC aa C38:6	17	28991182	A/G	0.023	0.023	0.013	0.055	0.813	23.071
rs1472157	PC aa C38:6	9	81788743	T/C	0.626	0.374	0.013	0.015	0.390	26.452

rs1039720	PC aa C38:6	18	73758482	G/A	0.793	0.207	0.012	0.018	0.491	24.402
rs77403093	PC aa C38:6	17	57220124	C/T	0.311	0.311	0.012	0.016	0.428	20.304
rs7921305	PC aa C38:6	10	133775196	G/A	0.254	0.254	0.012	0.017	0.458	33.811
rs961936	PC aa C38:6	11	29778265	A/G	0.426	0.426	0.012	0.015	0.407	20.706
rs10253861	PC aa C38:6	7	8110475	G/A	0.554	0.446	0.012	0.014	0.423	27.117
rs11018771	PC aa C38:6	11	89488562	T/C	0.364	0.364	0.012	0.016	0.464	22.745
rs7784688	PC aa C38:6	7	32966042	T/C	0.644	0.356	0.010	0.015	0.487	20.112
rs1346075	PC aa C38:6	4	68028922	T/G	0.543	0.457	0.009	0.015	0.517	20.095
rs11251692	PC aa C38:6	10	364707	C/T	0.130	0.130	0.009	0.021	0.669	21.753
rs2915124	PC aa C38:6	1	68688538	A/G	0.219	0.219	0.009	0.018	0.604	27.393
rs16903000	PC aa C38:6	5	13995236	T/C	0.298	0.298	0.009	0.016	0.576	23.843
rs3795944	PC aa C38:6	2	23920545	A/G	0.549	0.452	0.009	0.014	0.548	23.117
rs12137549	PC aa C38:6	1	190872114	T/C	0.362	0.362	0.008	0.015	0.576	20.463
rs16890052	PC aa C38:6	6	79184742	T/C	0.172	0.172	0.008	0.019	0.692	20.464
rs79958999	PC aa C38:6	13	40758670	G/A	0.014	0.014	0.008	0.071	0.915	24.095
rs13322059	PC aa C38:6	3	156310778	A/C	0.247	0.247	0.007	0.019	0.698	19.317
rs13012149	PC aa C38:6	2	122611171	G/A	0.593	0.407	0.007	0.015	0.658	20.169
rs35996140	PC aa C38:6	3	68521478	C/A	0.205	0.205	0.007	0.018	0.715	20.333
rs2471325	PC aa C38:6	4	3024044	C/T	0.322	0.322	0.006	0.015	0.695	28.131
rs12629217	PC aa C38:6	3	143442254	C/T	0.194	0.194	0.005	0.018	0.787	22.348
rs11102404	PC aa C38:6	1	112721915	G/A	0.653	0.347	0.005	0.015	0.760	30.153
rs12277713	PC aa C38:6	11	133528521	T/C	0.454	0.454	0.005	0.015	0.757	22.492
rs4407278	PC aa C38:6	2	648607	C/T	0.774	0.227	0.004	0.019	0.812	28.999
rs62525716	PC aa C38:6	8	130056308	C/T	0.141	0.141	0.004	0.021	0.858	21.025
rs35164264	PC aa C38:6	17	41150021	A/G	0.075	0.075	0.003	0.028	0.903	22.391
rs6780833	PC aa C38:6	3	137067993	G/A	0.391	0.391	0.003	0.015	0.846	29.645
rs72843234	PC aa C38:6	2	134435162	T/C	0.024	0.024	0.002	0.048	0.964	20.015
rs117764493	PC aa C38:6	13	102131922	T/G	0.026	0.026	0.001	0.046	0.976	20.480
rs898751	PC aa C38:6	17	2291863	C/T	0.489	0.489	0.001	0.014	0.957	27.171
rs7626445	PC aa C38:6	3	49114544	C/T	0.652	0.348	0.001	0.015	0.969	31.540
rs8008842	PC aa C38:6	14	41300060	A/G	0.460	0.460	0.000	0.014	0.983	21.593
rs7562697	PC aa C38:6	2	181918896	A/G	0.681	0.319	-0.001	0.015	0.948	20.513
rs10865037	PC aa C38:6	2	100871361	T/C	0.389	0.389	-0.001	0.015	0.930	19.723

rs10168768	PC aa C38:6	2	137484713	G/T	0.592	0.408	-0.002	0.015	0.917	23.198
rs34118828	PC aa C38:6	15	27026260	G/A	0.354	0.354	-0.002	0.015	0.923	27.147
rs1819982	PC aa C38:6	5	168614172	C/A	0.533	0.467	-0.002	0.014	0.896	20.776
rs10889706	PC aa C38:6	1	41350787	A/C	0.303	0.303	-0.004	0.016	0.809	24.317
rs62366395	PC aa C38:6	5	104370644	G/A	0.049	0.049	-0.004	0.034	0.905	21.288
rs3785229	PC aa C38:6	16	7670999	A/G	0.544	0.456	-0.004	0.015	0.776	33.209
rs150262359	PC aa C38:6	16	29006757	G/A	0.044	0.044	-0.005	0.037	0.900	21.395
rs34130665	PC aa C38:6	2	215383374	C/T	0.481	0.481	-0.005	0.014	0.747	19.976
rs9847830	PC aa C38:6	3	100861030	A/C	0.173	0.173	-0.005	0.020	0.808	19.773
rs35069754	PC aa C38:6	5	2295044	A/G	0.126	0.126	-0.005	0.022	0.817	22.132
rs1557341	PC aa C38:6	18	35127427	A/C	0.651	0.349	-0.006	0.015	0.715	22.613
rs6014531	PC aa C38:6	20	54403893	C/T	0.645	0.355	-0.006	0.015	0.704	19.824
rs9264979	PC aa C38:6	6	31279908	G/A	0.586	0.414	-0.007	0.015	0.622	27.903
rs2959495	PC aa C38:6	18	62113144	C/A	0.464	0.464	-0.007	0.015	0.613	21.467
rs62180989	PC aa C38:6	2	191271244	C/T	0.322	0.322	-0.008	0.015	0.625	27.421
rs12434775	PC aa C38:6	14	69524809	G/A	0.331	0.331	-0.008	0.015	0.607	22.177
rs60313989	PC aa C38:6	8	132075266	G/A	0.409	0.409	-0.008	0.015	0.593	19.319
rs1308512	PC aa C38:6	9	87279298	A/G	0.790	0.210	-0.008	0.018	0.649	26.174
rs112060520	PC aa C38:6	3	117671421	G/T	0.296	0.296	-0.008	0.016	0.593	22.751
rs6057026	PC aa C38:6	20	9904213	G/A	0.754	0.246	-0.010	0.017	0.576	19.369
rs696815	PC aa C38:6	2	198688084	A/C	0.648	0.352	-0.010	0.015	0.528	24.826
rs2491244	PC aa C38:6	13	28599914	G/A	0.578	0.422	-0.011	0.015	0.447	28.163
rs10977243	PC aa C38:6	9	8672042	A/G	0.089	0.089	-0.011	0.025	0.658	19.735
rs1788823	PC aa C38:6	18	21114917	A/G	0.654	0.346	-0.011	0.015	0.457	33.261
rs9422753	PC aa C38:6	10	126960137	T/C	0.197	0.197	-0.012	0.018	0.501	28.369
rs745136	PC aa C38:6	15	96899827	T/G	0.534	0.466	-0.012	0.016	0.435	23.065
rs4791393	PC aa C38:6	17	7822466	C/T	0.040	0.040	-0.013	0.038	0.743	20.255
rs2292239	PC aa C38:6	12	56482180	T/G	0.663	0.338	-0.013	0.015	0.390	29.926
rs739848	PC aa C38:6	19	18809314	C/T	0.187	0.187	-0.013	0.019	0.475	24.970
rs2121884	PC aa C38:6	9	114638982	A/C	0.621	0.379	-0.014	0.015	0.357	20.552
rs6430204	PC aa C38:6	2	148343718	C/T	0.462	0.462	-0.014	0.015	0.350	27.909
rs4883913	PC aa C38:6	13	73145459	T/C	0.389	0.389	-0.014	0.015	0.336	20.076
rs72880354	PC aa C38:6	1	28683713	G/A	0.310	0.310	-0.015	0.015	0.336	19.834

rs13064450	PC aa C38:6	3	21077708	G/A	0.471	0.471	-0.017	0.014	0.229	25.194
rs12756240	PC aa C38:6	1	238433595	T/C	0.271	0.271	-0.020	0.016	0.230	20.827
rs9352784	PC aa C38:6	6	80604130	G/A	0.112	0.112	-0.020	0.023	0.384	20.774
rs281219	PC aa C38:6	15	47711652	A/G	0.792	0.208	-0.020	0.018	0.259	36.335
rs4686704	PC aa C38:6	3	185579020	A/G	0.307	0.307	-0.021	0.016	0.200	22.345
rs2710627	PC aa C38:6	2	32758627	A/G	0.648	0.352	-0.022	0.015	0.147	24.046
rs11641525	PC aa C38:6	16	89691310	G/A	0.046	0.046	-0.023	0.035	0.513	24.345
rs587978	PC aa C38:6	11	105801770	C/T	0.468	0.468	-0.025	0.014	0.084	24.834
rs2417261	PC aa C38:6	12	13414139	T/G	0.896	0.104	-0.028	0.024	0.241	20.203
rs2660338	PC aa C38:6	4	41982707	A/C	0.853	0.147	-0.033	0.021	0.108	25.956
rs13053329	PC aa C38:6	22	31502732	A/G	0.492	0.492	-0.034	0.015	0.021	20.342
rs76176628	PC aa C38:6	19	36345767	T/C	0.050	0.050	-0.035	0.034	0.303	27.617
rs139954992	PC aa C38:6	22	50992048	G/A	0.025	0.025	-0.037	0.051	0.458	19.970
rs1061808	PC aa C38:6	6	32136547	T/G	0.633	0.367	-0.046	0.015	0.002	37.277
rs60795232	PC aa C38:6	2	236680476	A/G	0.282	0.282	-0.046	0.016	0.003	29.572
rs79416180	PC aa C38:6	7	136623471	C/T	0.094	0.094	-0.049	0.025	0.050	19.640
rs13147599	PC aa C38:6	4	93784286	A/G	0.068	0.068	-0.051	0.029	0.080	21.293
rs72734517	PC aa C38:6	15	76101535	C/T	0.031	0.031	-0.052	0.042	0.218	19.561
rs11882956	PC aa C38:6	19	5900470	G/A	0.026	0.026	-0.052	0.049	0.280	21.213
rs72913870	PC aa C38:6	3	89047588	G/A	0.111	0.111	-0.053	0.023	0.023	33.155
rs150978694	PC aa C38:6	16	26515201	C/T	0.028	0.028	-0.094	0.045	0.036	21.246
rs34330406	PC aa C40:4	2	180803486	C/T	0.017	0.017	0.173	0.063	0.006	22.477
rs76157199	PC aa C40:4	2	98541874	A/G	0.036	0.036	0.069	0.039	0.076	20.162
rs76176628	PC aa C40:4	19	36345767	T/C	0.050	0.050	0.066	0.034	0.056	27.617
rs117794620	PC aa C40:4	17	28991182	A/G	0.023	0.023	0.055	0.056	0.326	23.071
rs35996140	PC aa C40:4	3	68521478	C/A	0.205	0.205	0.047	0.018	0.009	20.333
rs10977243	PC aa C40:4	9	8672042	A/G	0.089	0.089	0.047	0.026	0.070	19.735
rs4762172	PC aa C40:4	12	95493912	T/C	0.086	0.086	0.040	0.026	0.126	24.668
rs66922415	PC aa C40:4	18	57848651	A/G	0.241	0.241	0.039	0.017	0.022	40.296
rs35164264	PC aa C40:4	17	41150021	A/G	0.075	0.075	0.034	0.028	0.231	22.391
rs35287743	PC aa C40:4	12	110057250	G/T	0.101	0.101	0.034	0.026	0.185	32.211
rs12434775	PC aa C40:4	14	69524809	G/A	0.331	0.331	0.034	0.015	0.028	22.177
rs117875805	PC aa C40:4	7	53786445	T/C	0.023	0.023	0.030	0.050	0.549	21.403

rs4407278	PC aa C40:4	2	648607	C/T	0.772	0.228	0.028	0.019	0.130	28.999
rs115005266	PC aa C40:4	6	24249780	C/T	0.022	0.022	0.027	0.050	0.587	19.475
rs2915124	PC aa C40:4	1	68688538	A/G	0.219	0.219	0.026	0.018	0.150	27.393
rs11128045	PC aa C40:4	3	88498034	T/C	0.390	0.390	0.025	0.015	0.105	20.977
rs1039720	PC aa C40:4	18	73758482	G/A	0.793	0.207	0.025	0.018	0.175	24.402
rs34118828	PC aa C40:4	15	27026260	G/A	0.354	0.354	0.023	0.015	0.140	27.147
rs2117028	PC aa C40:4	12	49480948	G/A	0.436	0.436	0.022	0.016	0.168	26.102
rs7921305	PC aa C40:4	10	133775196	G/A	0.253	0.253	0.020	0.017	0.247	33.811
rs150534	PC aa C40:4	5	60503133	G/A	0.520	0.480	0.019	0.015	0.186	31.772
rs6882046	PC aa C40:4	5	87968864	A/G	0.271	0.271	0.019	0.017	0.251	44.873
rs150978694	PC aa C40:4	16	26515201	C/T	0.028	0.028	0.019	0.045	0.679	21.246
rs6780833	PC aa C40:4	3	137067993	G/A	0.391	0.391	0.018	0.015	0.240	29.645
rs2491244	PC aa C40:4	13	28599914	G/A	0.578	0.422	0.016	0.015	0.276	28.163
rs1421085	PC aa C40:4	16	53800954	T/C	0.405	0.405	0.015	0.015	0.305	84.782
rs1472157	PC aa C40:4	9	81788743	T/C	0.626	0.374	0.015	0.015	0.331	26.452
rs60795232	PC aa C40:4	2	236680476	A/G	0.282	0.282	0.015	0.016	0.360	29.572
rs72880354	PC aa C40:4	1	28683713	G/A	0.310	0.310	0.014	0.016	0.356	19.834
rs9597573	PC aa C40:4	13	58110178	T/C	0.442	0.442	0.014	0.015	0.331	20.845
rs6767669	PC aa C40:4	3	116599500	G/A	0.266	0.266	0.014	0.017	0.420	26.575
rs11227478	PC aa C40:4	11	66173400	G/A	0.210	0.210	0.012	0.018	0.497	30.390
rs7939241	PC aa C40:4	11	114859696	A/G	0.783	0.217	0.012	0.019	0.548	27.220
rs2959495	PC aa C40:4	18	62113144	C/A	0.464	0.464	0.011	0.015	0.449	21.467
rs880597	PC aa C40:4	9	102168293	C/T	0.331	0.331	0.011	0.016	0.476	24.234
rs11681451	PC aa C40:4	2	225334104	T/C	0.323	0.323	0.011	0.015	0.493	29.493
rs4698920	PC aa C40:4	4	105379055	G/A	0.654	0.346	0.011	0.015	0.496	29.668
rs61817482	PC aa C40:4	1	204570347	G/A	0.201	0.201	0.011	0.018	0.564	25.528
rs139954992	PC aa C40:4	22	50992048	G/A	0.025	0.025	0.010	0.051	0.853	19.970
rs9264979	PC aa C40:4	6	31279908	G/A	0.586	0.414	0.009	0.015	0.552	27.903
rs62525716	PC aa C40:4	8	130056308	C/T	0.141	0.141	0.009	0.021	0.674	21.025
rs11692083	PC aa C40:4	2	59212187	G/A	0.567	0.433	0.008	0.015	0.576	35.281
rs2425052	PC aa C40:4	20	33880729	A/C	0.445	0.445	0.008	0.015	0.579	25.907
rs3795944	PC aa C40:4	2	23920545	A/G	0.548	0.452	0.008	0.015	0.591	23.117
rs112423942	PC aa C40:4	4	189790022	C/T	0.043	0.043	0.005	0.036	0.881	21.867

rs3999544	PC aa C40:4	6	26285867	C/T	0.549	0.451	0.005	0.015	0.729	25.749
rs12137549	PC aa C40:4	1	190872114	T/C	0.362	0.362	0.004	0.015	0.808	20.463
rs4686704	PC aa C40:4	3	185579020	A/G	0.308	0.308	0.003	0.016	0.871	22.345
rs12629217	PC aa C40:4	3	143442254	C/T	0.194	0.194	0.002	0.019	0.903	22.348
rs2121884	PC aa C40:4	9	114638982	A/C	0.621	0.379	0.002	0.015	0.876	20.552
rs7626445	PC aa C40:4	3	49114544	C/T	0.652	0.348	0.002	0.015	0.890	31.540
rs10253861	PC aa C40:4	7	8110475	G/A	0.554	0.446	0.002	0.015	0.913	27.117
rs77403093	PC aa C40:4	17	57220124	C/T	0.311	0.311	0.001	0.016	0.944	20.304
rs13012149	PC aa C40:4	2	122611171	G/A	0.593	0.407	0.001	0.015	0.947	20.169
rs2631024	PC aa C40:4	8	91995577	A/G	0.742	0.258	0.001	0.017	0.977	26.091
rs11018771	PC aa C40:4	11	89488562	T/C	0.364	0.364	0.000	0.016	0.991	22.745
rs13053329	PC aa C40:4	22	31502732	A/G	0.492	0.492	0.000	0.015	0.989	20.342
rs7784688	PC aa C40:4	7	32966042	T/C	0.644	0.356	0.000	0.015	0.988	20.112
rs2471325	PC aa C40:4	4	3024044	C/T	0.322	0.322	0.000	0.016	0.982	28.131
rs11652858	PC aa C40:4	17	46844996	C/T	0.321	0.321	-0.001	0.016	0.962	23.644
rs7562697	PC aa C40:4	2	181918896	A/G	0.681	0.319	-0.001	0.016	0.957	20.513
rs13248299	PC aa C40:4	8	106306761	C/T	0.550	0.450	-0.001	0.015	0.931	20.653
rs60313989	PC aa C40:4	8	132075266	G/A	0.408	0.408	-0.001	0.015	0.926	19.319
rs12756240	PC aa C40:4	1	238433595	T/C	0.271	0.271	-0.002	0.017	0.923	20.827
rs7871511	PC aa C40:4	9	5555160	A/C	0.175	0.175	-0.002	0.020	0.928	20.800
rs4655090	PC aa C40:4	1	23011945	C/T	0.242	0.242	-0.002	0.018	0.914	21.955
rs10865037	PC aa C40:4	2	100871361	T/C	0.389	0.389	-0.002	0.015	0.872	19.723
rs9847830	PC aa C40:4	3	100861030	A/C	0.173	0.173	-0.002	0.020	0.904	19.773
rs2660338	PC aa C40:4	4	41982707	A/C	0.853	0.148	-0.003	0.021	0.892	25.956
rs2037711	PC aa C40:4	13	85476417	C/A	0.319	0.319	-0.003	0.016	0.850	19.835
rs8008842	PC aa C40:4	14	41300060	A/G	0.460	0.460	-0.003	0.015	0.813	21.593
rs13322059	PC aa C40:4	3	156310778	A/C	0.248	0.248	-0.005	0.019	0.809	19.317
rs1788823	PC aa C40:4	18	21114917	A/G	0.654	0.346	-0.005	0.015	0.730	33.261
rs6057026	PC aa C40:4	20	9904213	G/A	0.754	0.246	-0.005	0.018	0.763	19.369
rs12277713	PC aa C40:4	11	133528521	T/C	0.454	0.454	-0.006	0.015	0.707	22.492
rs281219	PC aa C40:4	15	47711652	A/G	0.792	0.208	-0.006	0.018	0.731	36.335
rs3785229	PC aa C40:4	16	7670999	A/G	0.544	0.456	-0.006	0.015	0.675	33.209
rs1557341	PC aa C40:4	18	35127427	A/C	0.651	0.349	-0.007	0.016	0.676	22.613

rs11251692	PC aa C40:4	10	364707	C/T	0.130	0.130	-0.007	0.022	0.758	21.753
rs2694633	PC aa C40:4	2	61540642	A/C	0.681	0.319	-0.007	0.016	0.666	24.389
rs2292239	PC aa C40:4	12	56482180	T/G	0.663	0.338	-0.007	0.015	0.634	29.926
rs151150389	PC aa C40:4	8	28897171	T/C	0.039	0.039	-0.008	0.037	0.830	24.179
rs34130665	PC aa C40:4	2	215383374	C/T	0.481	0.481	-0.008	0.015	0.581	19.976
rs4883913	PC aa C40:4	13	73145459	T/C	0.389	0.389	-0.009	0.015	0.567	20.076
rs11102404	PC aa C40:4	1	112721915	G/A	0.653	0.347	-0.009	0.015	0.558	30.153
rs10168768	PC aa C40:4	2	137484713	G/T	0.592	0.408	-0.009	0.015	0.543	23.198
rs696815	PC aa C40:4	2	198688084	A/C	0.649	0.351	-0.009	0.016	0.551	24.826
rs10986931	PC aa C40:4	9	128564209	C/T	0.582	0.418	-0.010	0.015	0.487	21.068
rs62180989	PC aa C40:4	2	191271244	C/T	0.323	0.323	-0.011	0.016	0.484	27.421
rs13064450	PC aa C40:4	3	21077708	G/A	0.471	0.471	-0.013	0.015	0.381	25.194
rs745136	PC aa C40:4	15	96899827	T/G	0.534	0.466	-0.013	0.016	0.406	23.065
rs16903000	PC aa C40:4	5	13995236	T/C	0.297	0.297	-0.015	0.016	0.342	23.843
rs552334	PC aa C40:4	11	95595694	T/C	0.532	0.468	-0.016	0.015	0.280	30.927
rs2710627	PC aa C40:4	2	32758627	A/G	0.648	0.352	-0.016	0.015	0.282	24.046
rs6430204	PC aa C40:4	2	148343718	C/T	0.462	0.462	-0.017	0.015	0.277	27.909
rs1346075	PC aa C40:4	4	68028922	T/G	0.543	0.457	-0.017	0.015	0.238	20.095
rs961936	PC aa C40:4	11	29778265	A/G	0.426	0.426	-0.018	0.015	0.221	20.706
rs79958999	PC aa C40:4	13	40758670	G/A	0.014	0.014	-0.018	0.073	0.803	24.095
rs1819982	PC aa C40:4	5	168614172	C/A	0.533	0.467	-0.019	0.015	0.205	20.776
rs6978112	PC aa C40:4	7	1966841	C/T	0.405	0.405	-0.019	0.015	0.207	38.200
rs114621346	PC aa C40:4	1	159171474	G/A	0.017	0.017	-0.019	0.059	0.751	22.680
rs35069754	PC aa C40:4	5	2295044	A/G	0.126	0.126	-0.019	0.022	0.400	22.132
rs62366395	PC aa C40:4	5	104370644	G/A	0.049	0.049	-0.020	0.034	0.570	21.288
rs10889706	PC aa C40:4	1	41350787	A/C	0.303	0.303	-0.020	0.016	0.220	24.317
rs335352	PC aa C40:4	6	155623709	G/A	0.660	0.340	-0.020	0.015	0.191	21.453
rs16890052	PC aa C40:4	6	79184742	T/C	0.172	0.172	-0.020	0.019	0.298	20.464
rs587978	PC aa C40:4	11	105801770	C/T	0.468	0.468	-0.022	0.015	0.133	24.834
rs2417261	PC aa C40:4	12	13414139	T/G	0.896	0.104	-0.024	0.024	0.332	20.203
rs11641525	PC aa C40:4	16	89691310	G/A	0.046	0.046	-0.025	0.036	0.487	24.345
rs72843234	PC aa C40:4	2	134435162	T/C	0.024	0.024	-0.025	0.049	0.609	20.015
rs4791393	PC aa C40:4	17	7822466	C/T	0.040	0.040	-0.026	0.039	0.504	20.255

rs111650147	PC aa C40:4	1	95528581	T/C	0.032	0.032	-0.027	0.044	0.537	21.763
rs11882956	PC aa C40:4	19	5900470	G/A	0.026	0.026	-0.027	0.049	0.587	21.213
rs587806	PC aa C40:4	11	119882908	T/C	0.881	0.119	-0.027	0.023	0.234	21.792
rs112060520	PC aa C40:4	3	117671421	G/T	0.296	0.296	-0.029	0.016	0.072	22.751
rs6014531	PC aa C40:4	20	54403893	C/T	0.645	0.355	-0.029	0.016	0.060	19.824
rs898751	PC aa C40:4	17	2291863	C/T	0.488	0.488	-0.032	0.015	0.032	27.171
rs9422753	PC aa C40:4	10	126960137	T/C	0.197	0.197	-0.033	0.018	0.076	28.369
rs1308512	PC aa C40:4	9	87279298	A/G	0.789	0.211	-0.033	0.018	0.068	26.174
rs72913870	PC aa C40:4	3	89047588	G/A	0.111	0.111	-0.033	0.024	0.157	33.155
rs1061808	PC aa C40:4	6	32136547	T/G	0.634	0.367	-0.038	0.015	0.013	37.277
rs13147599	PC aa C40:4	4	93784286	A/G	0.068	0.068	-0.039	0.030	0.188	21.293
rs150262359	PC aa C40:4	16	29006757	G/A	0.044	0.044	-0.043	0.037	0.251	21.395
rs79416180	PC aa C40:4	7	136623471	C/T	0.094	0.094	-0.043	0.025	0.086	19.640
rs72734517	PC aa C40:4	15	76101535	C/T	0.031	0.031	-0.045	0.043	0.293	19.561
rs117764493	PC aa C40:4	13	102131922	T/G	0.026	0.026	-0.048	0.047	0.312	20.480
rs9352784	PC aa C40:4	6	80604130	G/A	0.111	0.111	-0.048	0.023	0.040	20.774
rs739848	PC aa C40:4	19	18809314	C/T	0.187	0.187	-0.052	0.019	0.006	24.970
rs115005266	PC aa C42:2	6	24249780	C/T	0.022	0.022	0.073	0.051	0.154	19.475
rs114621346	PC aa C42:2	1	159171474	G/A	0.017	0.017	0.070	0.060	0.243	22.680
rs72843234	PC aa C42:2	2	134435162	T/C	0.024	0.024	0.056	0.050	0.256	20.015
rs139954992	PC aa C42:2	22	50992048	G/A	0.025	0.025	0.049	0.052	0.351	19.970
rs11018771	PC aa C42:2	11	89488562	T/C	0.363	0.363	0.047	0.016	0.004	22.745
rs117794620	PC aa C42:2	17	28991182	A/G	0.023	0.023	0.046	0.057	0.423	23.071
rs76176628	PC aa C42:2	19	36345767	T/C	0.051	0.051	0.045	0.035	0.190	27.617
rs150534	PC aa C42:2	5	60503133	G/A	0.519	0.481	0.041	0.015	0.006	31.772
rs10977243	PC aa C42:2	9	8672042	A/G	0.089	0.089	0.036	0.026	0.174	19.735
rs11681451	PC aa C42:2	2	225334104	T/C	0.323	0.323	0.035	0.016	0.026	29.493
rs2037711	PC aa C42:2	13	85476417	C/A	0.319	0.319	0.033	0.016	0.036	19.835
rs34330406	PC aa C42:2	2	180803486	C/T	0.017	0.017	0.033	0.064	0.609	22.477
rs1472157	PC aa C42:2	9	81788743	T/C	0.626	0.374	0.032	0.015	0.038	26.452
rs2117028	PC aa C42:2	12	49480948	G/A	0.436	0.436	0.032	0.016	0.045	26.102
rs11641525	PC aa C42:2	16	89691310	G/A	0.046	0.046	0.031	0.036	0.388	24.345
rs9352784	PC aa C42:2	6	80604130	G/A	0.112	0.112	0.029	0.024	0.214	20.774

rs11692083	PC aa C42:2	2	59212187	G/A	0.567	0.433	0.027	0.015	0.074	35.281
rs961936	PC aa C42:2	11	29778265	A/G	0.426	0.426	0.027	0.015	0.073	20.706
rs4698920	PC aa C42:2	4	105379055	G/A	0.655	0.345	0.025	0.016	0.111	29.668
rs1346075	PC aa C42:2	4	68028922	T/G	0.543	0.457	0.025	0.015	0.099	20.095
rs151150389	PC aa C42:2	8	28897171	T/C	0.039	0.039	0.024	0.038	0.519	24.179
rs1421085	PC aa C42:2	16	53800954	T/C	0.405	0.405	0.023	0.015	0.122	84.782
rs13012149	PC aa C42:2	2	122611171	G/A	0.593	0.407	0.023	0.015	0.138	20.169
rs66922415	PC aa C42:2	18	57848651	A/G	0.242	0.242	0.022	0.017	0.194	40.296
rs281219	PC aa C42:2	15	47711652	A/G	0.792	0.208	0.022	0.018	0.229	36.335
rs35069754	PC aa C42:2	5	2295044	A/G	0.126	0.126	0.022	0.023	0.340	22.132
rs2425052	PC aa C42:2	20	33880729	A/C	0.444	0.444	0.021	0.015	0.151	25.907
rs117875805	PC aa C42:2	7	53786445	T/C	0.023	0.023	0.019	0.051	0.710	21.403
rs12629217	PC aa C42:2	3	143442254	C/T	0.193	0.193	0.018	0.019	0.340	22.348
rs2694633	PC aa C42:2	2	61540642	A/C	0.680	0.320	0.018	0.016	0.258	24.389
rs61817482	PC aa C42:2	1	204570347	G/A	0.201	0.201	0.018	0.019	0.340	25.528
rs4791393	PC aa C42:2	17	7822466	C/T	0.040	0.040	0.018	0.039	0.655	20.255
rs11251692	PC aa C42:2	10	364707	C/T	0.130	0.130	0.016	0.022	0.452	21.753
rs150262359	PC aa C42:2	16	29006757	G/A	0.045	0.045	0.016	0.038	0.676	21.395
rs3785229	PC aa C42:2	16	7670999	A/G	0.543	0.457	0.014	0.015	0.349	33.209
rs4762172	PC aa C42:2	12	95493912	T/C	0.085	0.085	0.014	0.027	0.602	24.668
rs6780833	PC aa C42:2	3	137067993	G/A	0.391	0.391	0.014	0.015	0.372	29.645
rs13147599	PC aa C42:2	4	93784286	A/G	0.068	0.068	0.014	0.030	0.652	21.293
rs1039720	PC aa C42:2	18	73758482	G/A	0.793	0.207	0.013	0.019	0.489	24.402
rs7939241	PC aa C42:2	11	114859696	A/G	0.783	0.217	0.012	0.019	0.528	27.220
rs34118828	PC aa C42:2	15	27026260	G/A	0.354	0.354	0.012	0.015	0.435	27.147
rs880597	PC aa C42:2	9	102168293	C/T	0.332	0.332	0.012	0.016	0.459	24.234
rs2417261	PC aa C42:2	12	13414139	T/G	0.896	0.104	0.011	0.025	0.656	20.203
rs35996140	PC aa C42:2	3	68521478	C/A	0.205	0.205	0.010	0.018	0.573	20.333
rs9264979	PC aa C42:2	6	31279908	G/A	0.586	0.414	0.010	0.015	0.508	27.903
rs16903000	PC aa C42:2	5	13995236	T/C	0.298	0.298	0.009	0.016	0.568	23.843
rs335352	PC aa C42:2	6	155623709	G/A	0.660	0.340	0.009	0.016	0.562	21.453
rs696815	PC aa C42:2	2	198688084	A/C	0.649	0.351	0.009	0.016	0.577	24.826
rs7562697	PC aa C42:2	2	181918896	A/G	0.682	0.318	0.006	0.016	0.691	20.513

rs8008842	PC aa C42:2	14	41300060	A/G	0.459	0.459	0.006	0.015	0.710	21.593
rs1308512	PC aa C42:2	9	87279298	A/G	0.791	0.209	0.005	0.018	0.773	26.174
rs9847830	PC aa C42:2	3	100861030	A/C	0.172	0.172	0.005	0.020	0.799	19.773
rs2121884	PC aa C42:2	9	114638982	A/C	0.621	0.379	0.005	0.015	0.742	20.552
rs6767669	PC aa C42:2	3	116599500	G/A	0.266	0.266	0.005	0.017	0.784	26.575
rs6978112	PC aa C42:2	7	1966841	C/T	0.405	0.405	0.004	0.015	0.809	38.200
rs4655090	PC aa C42:2	1	23011945	C/T	0.243	0.243	0.004	0.018	0.845	21.955
rs7784688	PC aa C42:2	7	32966042	T/C	0.644	0.356	0.002	0.015	0.887	20.112
rs13322059	PC aa C42:2	3	156310778	A/C	0.248	0.248	0.002	0.019	0.925	19.317
rs60313989	PC aa C42:2	8	132075266	G/A	0.409	0.409	0.002	0.015	0.914	19.319
rs4407278	PC aa C42:2	2	648607	C/T	0.773	0.227	0.001	0.019	0.944	28.999
rs13248299	PC aa C42:2	8	106306761	C/T	0.550	0.450	0.001	0.015	0.960	20.653
rs9597573	PC aa C42:2	13	58110178	T/C	0.442	0.442	0.001	0.015	0.970	20.845
rs62180989	PC aa C42:2	2	191271244	C/T	0.323	0.323	0.000	0.016	0.993	27.421
rs10253861	PC aa C42:2	7	8110475	G/A	0.554	0.446	0.000	0.015	1.000	27.117
rs10889706	PC aa C42:2	1	41350787	A/C	0.303	0.303	0.000	0.017	0.985	24.317
rs4883913	PC aa C42:2	13	73145459	T/C	0.388	0.388	0.000	0.015	0.986	20.076
rs10168768	PC aa C42:2	2	137484713	G/T	0.593	0.407	0.000	0.015	0.979	23.198
rs2959495	PC aa C42:2	18	62113144	C/A	0.463	0.463	0.000	0.015	0.980	21.467
rs6882046	PC aa C42:2	5	87968864	A/G	0.271	0.271	0.000	0.017	0.981	44.873
rs79416180	PC aa C42:2	7	136623471	C/T	0.094	0.094	-0.002	0.026	0.947	19.640
rs745136	PC aa C42:2	15	96899827	T/G	0.534	0.466	-0.002	0.016	0.904	23.065
rs7871511	PC aa C42:2	9	5555160	A/C	0.176	0.176	-0.002	0.020	0.902	20.800
rs35287743	PC aa C42:2	12	110057250	G/T	0.101	0.101	-0.003	0.026	0.907	32.211
rs6057026	PC aa C42:2	20	9904213	G/A	0.754	0.246	-0.005	0.018	0.782	19.369
rs2915124	PC aa C42:2	1	68688538	A/G	0.219	0.219	-0.005	0.018	0.779	27.393
rs16890052	PC aa C42:2	6	79184742	T/C	0.172	0.172	-0.006	0.020	0.774	20.464
rs1061808	PC aa C42:2	6	32136547	T/G	0.634	0.366	-0.006	0.015	0.710	37.277
rs62525716	PC aa C42:2	8	130056308	C/T	0.140	0.140	-0.006	0.021	0.775	21.025
rs552334	PC aa C42:2	11	95595694	T/C	0.532	0.468	-0.007	0.015	0.653	30.927
rs77403093	PC aa C42:2	17	57220124	C/T	0.312	0.312	-0.007	0.016	0.671	20.304
rs12137549	PC aa C42:2	1	190872114	T/C	0.363	0.363	-0.008	0.015	0.617	20.463
rs10865037	PC aa C42:2	2	100871361	T/C	0.389	0.389	-0.009	0.015	0.570	19.723

rs11652858	PC aa C42:2	17	46844996	C/T	0.320	0.320	-0.009	0.016	0.589	23.644
rs112423942	PC aa C42:2	4	189790022	C/T	0.043	0.043	-0.009	0.036	0.805	21.867
rs13053329	PC aa C42:2	22	31502732	A/G	0.492	0.492	-0.009	0.015	0.552	20.342
rs7626445	PC aa C42:2	3	49114544	C/T	0.652	0.348	-0.010	0.015	0.537	31.540
rs13064450	PC aa C42:2	3	21077708	G/A	0.472	0.472	-0.010	0.015	0.515	25.194
rs2710627	PC aa C42:2	2	32758627	A/G	0.648	0.352	-0.010	0.015	0.517	24.046
rs1819982	PC aa C42:2	5	168614172	C/A	0.533	0.467	-0.010	0.015	0.481	20.776
rs2491244	PC aa C42:2	13	28599914	G/A	0.577	0.423	-0.011	0.015	0.468	28.163
rs2471325	PC aa C42:2	4	3024044	C/T	0.322	0.322	-0.011	0.016	0.481	28.131
rs72880354	PC aa C42:2	1	28683713	G/A	0.310	0.310	-0.011	0.016	0.481	19.834
rs739848	PC aa C42:2	19	18809314	C/T	0.187	0.187	-0.012	0.019	0.520	24.970
rs898751	PC aa C42:2	17	2291863	C/T	0.489	0.489	-0.012	0.015	0.409	27.171
rs11227478	PC aa C42:2	11	66173400	G/A	0.209	0.209	-0.013	0.018	0.477	30.390
rs587806	PC aa C42:2	11	119882908	T/C	0.881	0.119	-0.013	0.023	0.571	21.792
rs10986931	PC aa C42:2	9	128564209	C/T	0.582	0.418	-0.013	0.015	0.372	21.068
rs2631024	PC aa C42:2	8	91995577	A/G	0.741	0.259	-0.013	0.017	0.425	26.091
rs12277713	PC aa C42:2	11	133528521	T/C	0.454	0.454	-0.014	0.015	0.366	22.492
rs1788823	PC aa C42:2	18	21114917	A/G	0.654	0.346	-0.014	0.016	0.364	33.261
rs4686704	PC aa C42:2	3	185579020	A/G	0.307	0.307	-0.014	0.017	0.393	22.345
rs11128045	PC aa C42:2	3	88498034	T/C	0.389	0.389	-0.015	0.016	0.344	20.977
rs1557341	PC aa C42:2	18	35127427	A/C	0.652	0.348	-0.015	0.016	0.336	22.613
rs62366395	PC aa C42:2	5	104370644	G/A	0.050	0.050	-0.015	0.035	0.658	21.288
rs6014531	PC aa C42:2	20	54403893	C/T	0.645	0.355	-0.016	0.016	0.304	19.824
rs2660338	PC aa C42:2	4	41982707	A/C	0.853	0.147	-0.016	0.021	0.444	25.956
rs587978	PC aa C42:2	11	105801770	C/T	0.468	0.468	-0.018	0.015	0.216	24.834
rs3999544	PC aa C42:2	6	26285867	C/T	0.549	0.451	-0.018	0.015	0.211	25.749
rs117764493	PC aa C42:2	13	102131922	T/G	0.026	0.026	-0.020	0.047	0.682	20.480
rs12434775	PC aa C42:2	14	69524809	G/A	0.332	0.332	-0.020	0.016	0.204	22.177
rs2292239	PC aa C42:2	12	56482180	T/G	0.663	0.337	-0.020	0.016	0.196	29.926
rs35164264	PC aa C42:2	17	41150021	A/G	0.075	0.075	-0.021	0.029	0.462	22.391
rs72913870	PC aa C42:2	3	89047588	G/A	0.111	0.111	-0.022	0.024	0.367	33.155
rs6430204	PC aa C42:2	2	148343718	C/T	0.462	0.462	-0.022	0.016	0.157	27.909
rs11102404	PC aa C42:2	1	112721915	G/A	0.653	0.347	-0.024	0.016	0.125	30.153

rs34130665	PC aa C42:2	2	215383374	C/T	0.481	0.481	-0.024	0.015	0.102	19.976
rs3795944	PC aa C42:2	2	23920545	A/G	0.550	0.450	-0.025	0.015	0.091	23.117
rs60795232	PC aa C42:2	2	236680476	A/G	0.281	0.281	-0.025	0.016	0.123	29.572
rs7921305	PC aa C42:2	10	133775196	G/A	0.254	0.254	-0.027	0.017	0.114	33.811
rs111650147	PC aa C42:2	1	95528581	T/C	0.032	0.032	-0.029	0.044	0.517	21.763
rs12756240	PC aa C42:2	1	238433595	T/C	0.271	0.271	-0.034	0.017	0.042	20.827
rs9422753	PC aa C42:2	10	126960137	T/C	0.197	0.197	-0.036	0.019	0.057	28.369
rs112060520	PC aa C42:2	3	117671421	G/T	0.296	0.296	-0.040	0.016	0.014	22.751
rs76157199	PC aa C42:2	2	98541874	A/G	0.036	0.036	-0.046	0.039	0.241	20.162
rs150978694	PC aa C42:2	16	26515201	C/T	0.028	0.028	-0.050	0.046	0.270	21.246
rs11882956	PC aa C42:2	19	5900470	G/A	0.026	0.026	-0.068	0.050	0.176	21.213
rs72734517	PC aa C42:2	15	76101535	C/T	0.031	0.031	-0.075	0.044	0.087	19.561
rs79958999	PC aa C42:2	13	40758670	G/A	0.014	0.014	-0.099	0.073	0.177	24.095
rs34330406	PC aa C42:6	2	180803486	C/T	0.017	0.017	0.088	0.064	0.172	22.477
rs117875805	PC aa C42:6	7	53786445	T/C	0.023	0.023	0.066	0.051	0.201	21.403
rs139954992	PC aa C42:6	22	50992048	G/A	0.025	0.025	0.060	0.053	0.252	19.970
rs151150389	PC aa C42:6	8	28897171	T/C	0.039	0.039	0.048	0.038	0.211	24.179
rs61817482	PC aa C42:6	1	204570347	G/A	0.201	0.201	0.043	0.019	0.023	25.528
rs4791393	PC aa C42:6	17	7822466	C/T	0.040	0.040	0.036	0.040	0.371	20.255
rs66922415	PC aa C42:6	18	57848651	A/G	0.241	0.241	0.034	0.017	0.048	40.296
rs11641525	PC aa C42:6	16	89691310	G/A	0.046	0.046	0.033	0.037	0.373	24.345
rs62525716	PC aa C42:6	8	130056308	C/T	0.141	0.141	0.032	0.021	0.127	21.025
rs11882956	PC aa C42:6	19	5900470	G/A	0.026	0.026	0.032	0.050	0.527	21.213
rs13322059	PC aa C42:6	3	156310778	A/C	0.248	0.248	0.029	0.019	0.140	19.317
rs9847830	PC aa C42:6	3	100861030	A/C	0.173	0.173	0.028	0.020	0.174	19.773
rs150262359	PC aa C42:6	16	29006757	G/A	0.045	0.045	0.027	0.038	0.469	21.395
rs60313989	PC aa C42:6	8	132075266	G/A	0.408	0.408	0.027	0.015	0.076	19.319
rs1472157	PC aa C42:6	9	81788743	T/C	0.627	0.373	0.023	0.016	0.134	26.452
rs4883913	PC aa C42:6	13	73145459	T/C	0.388	0.388	0.023	0.016	0.141	20.076
rs11227478	PC aa C42:6	11	66173400	G/A	0.209	0.209	0.021	0.018	0.253	30.390
rs117794620	PC aa C42:6	17	28991182	A/G	0.023	0.023	0.020	0.058	0.729	23.071
rs1788823	PC aa C42:6	18	21114917	A/G	0.654	0.346	0.020	0.016	0.208	33.261
rs34118828	PC aa C42:6	15	27026260	G/A	0.354	0.354	0.019	0.016	0.216	27.147

rs2117028	PC aa C42:6	12	49480948	G/A	0.437	0.437	0.019	0.016	0.235	26.102
rs2660338	PC aa C42:6	4	41982707	A/C	0.853	0.147	0.018	0.021	0.389	25.956
rs6978112	PC aa C42:6	7	1966841	C/T	0.406	0.406	0.018	0.015	0.238	38.200
rs4762172	PC aa C42:6	12	95493912	T/C	0.086	0.086	0.018	0.027	0.508	24.668
rs6882046	PC aa C42:6	5	87968864	A/G	0.272	0.272	0.016	0.017	0.349	44.873
rs111650147	PC aa C42:6	1	95528581	T/C	0.032	0.032	0.016	0.044	0.726	21.763
rs4655090	PC aa C42:6	1	23011945	C/T	0.242	0.242	0.015	0.018	0.413	21.955
rs4698920	PC aa C42:6	4	105379055	G/A	0.655	0.345	0.015	0.016	0.347	29.668
rs35996140	PC aa C42:6	3	68521478	C/A	0.205	0.205	0.015	0.019	0.425	20.333
rs2915124	PC aa C42:6	1	68688538	A/G	0.220	0.220	0.015	0.018	0.420	27.393
rs6475017	PC aa C42:6	9	1631379	G/A	0.407	0.407	0.015	0.016	0.377	19.468
rs16890052	PC aa C42:6	6	79184742	T/C	0.172	0.172	0.014	0.020	0.477	20.464
rs1308512	PC aa C42:6	9	87279298	A/G	0.789	0.211	0.014	0.018	0.449	26.174
rs2491244	PC aa C42:6	13	28599914	G/A	0.578	0.422	0.014	0.015	0.364	28.163
rs115005266	PC aa C42:6	6	24249780	C/T	0.022	0.022	0.013	0.052	0.796	19.475
rs11681451	PC aa C42:6	2	225334104	T/C	0.323	0.323	0.013	0.016	0.408	29.493
rs9597573	PC aa C42:6	13	58110178	T/C	0.442	0.442	0.013	0.015	0.406	20.845
rs281219	PC aa C42:6	15	47711652	A/G	0.792	0.208	0.012	0.019	0.523	36.335
rs11251692	PC aa C42:6	10	364707	C/T	0.129	0.129	0.012	0.022	0.597	21.753
rs16903000	PC aa C42:6	5	13995236	T/C	0.298	0.298	0.011	0.016	0.485	23.843
rs3785229	PC aa C42:6	16	7670999	A/G	0.544	0.456	0.011	0.015	0.468	33.209
rs11102404	PC aa C42:6	1	112721915	G/A	0.653	0.348	0.011	0.016	0.485	30.153
rs880597	PC aa C42:6	9	102168293	C/T	0.331	0.331	0.011	0.016	0.489	24.234
rs11128045	PC aa C42:6	3	88498034	T/C	0.390	0.390	0.011	0.016	0.493	20.977
rs2694633	PC aa C42:6	2	61540642	A/C	0.681	0.319	0.011	0.016	0.508	24.389
rs696815	PC aa C42:6	2	198688084	A/C	0.648	0.352	0.010	0.016	0.518	24.826
rs745136	PC aa C42:6	15	96899827	T/G	0.534	0.466	0.010	0.016	0.541	23.065
rs2631024	PC aa C42:6	8	91995577	A/G	0.741	0.259	0.009	0.017	0.578	26.091
rs7784688	PC aa C42:6	7	32966042	T/C	0.644	0.357	0.009	0.016	0.563	20.112
rs6780833	PC aa C42:6	3	137067993	G/A	0.391	0.391	0.009	0.015	0.569	29.645
rs35407417	PC aa C42:6	21	25486732	A/C	0.604	0.396	0.008	0.016	0.612	20.024
rs7921305	PC aa C42:6	10	133775196	G/A	0.253	0.253	0.008	0.017	0.645	33.811
rs114621346	PC aa C42:6	1	159171474	G/A	0.017	0.017	0.007	0.061	0.905	22.680

rs898751	PC aa C42:6	17	2291863	C/T	0.488	0.488	0.007	0.015	0.654	27.171
rs11018771	PC aa C42:6	11	89488562	T/C	0.364	0.364	0.007	0.017	0.692	22.745
rs335352	PC aa C42:6	6	155623709	G/A	0.660	0.341	0.006	0.016	0.692	21.453
rs1421085	PC aa C42:6	16	53800954	T/C	0.405	0.405	0.006	0.015	0.682	84.782
rs76176628	PC aa C42:6	19	36345767	T/C	0.051	0.051	0.006	0.035	0.860	27.617
rs150534	PC aa C42:6	5	60503133	G/A	0.520	0.480	0.006	0.015	0.698	31.772
rs7562697	PC aa C42:6	2	181918896	A/G	0.681	0.319	0.004	0.016	0.815	20.513
rs1039720	PC aa C42:6	18	73758482	G/A	0.793	0.207	0.003	0.019	0.854	24.402
rs12137549	PC aa C42:6	1	190872114	T/C	0.362	0.362	0.003	0.016	0.860	20.463
rs2959495	PC aa C42:6	18	62113144	C/A	0.464	0.464	0.002	0.015	0.888	21.467
rs12434775	PC aa C42:6	14	69524809	G/A	0.331	0.331	0.002	0.016	0.897	22.177
rs9264979	PC aa C42:6	6	31279908	G/A	0.586	0.414	0.002	0.015	0.904	27.903
rs77403093	PC aa C42:6	17	57220124	C/T	0.312	0.312	0.001	0.016	0.929	20.304
rs12756240	PC aa C42:6	1	238433595	T/C	0.272	0.272	0.001	0.017	0.940	20.827
rs12277713	PC aa C42:6	11	133528521	T/C	0.455	0.455	0.001	0.015	0.950	22.492
rs13064450	PC aa C42:6	3	21077708	G/A	0.471	0.471	0.001	0.015	0.948	25.194
rs1660954	PC aa C42:6	15	57189122	C/A	0.421	0.421	0.001	0.016	0.970	19.394
rs10865037	PC aa C42:6	2	100871361	T/C	0.388	0.388	0.001	0.015	0.976	19.723
rs540906517	PC aa C42:6	8	2535593	T/C	0.073	0.073	0.001	0.032	0.988	20.482
rs7871511	PC aa C42:6	9	5555160	A/C	0.176	0.176	0.000	0.020	0.989	20.800
rs3999544	PC aa C42:6	6	26285867	C/T	0.549	0.451	-0.002	0.015	0.888	25.749
rs7939241	PC aa C42:6	11	114859696	A/G	0.783	0.217	-0.003	0.020	0.873	27.220
rs72880354	PC aa C42:6	1	28683713	G/A	0.310	0.310	-0.003	0.016	0.843	19.834
rs13248299	PC aa C42:6	8	106306761	C/T	0.551	0.449	-0.004	0.015	0.808	20.653
rs1557341	PC aa C42:6	18	35127427	A/C	0.652	0.349	-0.004	0.016	0.806	22.613
rs62180989	PC aa C42:6	2	191271244	C/T	0.324	0.324	-0.004	0.016	0.804	27.421
rs1819982	PC aa C42:6	5	168614172	C/A	0.532	0.468	-0.004	0.015	0.790	20.776
rs739848	PC aa C42:6	19	18809314	C/T	0.188	0.188	-0.004	0.019	0.831	24.970
rs961936	PC aa C42:6	11	29778265	A/G	0.427	0.427	-0.004	0.015	0.782	20.706
rs6057026	PC aa C42:6	20	9904213	G/A	0.753	0.247	-0.005	0.018	0.797	19.369
rs9422753	PC aa C42:6	10	126960137	T/C	0.197	0.197	-0.005	0.019	0.777	28.369
rs6767669	PC aa C42:6	3	116599500	G/A	0.265	0.265	-0.005	0.017	0.756	26.575
rs72913870	PC aa C42:6	3	89047588	G/A	0.111	0.111	-0.005	0.024	0.822	33.155

rs6430204	PC aa C42:6	2	148343718	C/T	0.461	0.461	-0.006	0.016	0.725	27.909
rs12629217	PC aa C42:6	3	143442254	C/T	0.194	0.194	-0.006	0.019	0.747	22.348
rs4407278	PC aa C42:6	2	648607	C/T	0.771	0.229	-0.006	0.019	0.739	28.999
rs2726259	PC aa C42:6	18	37198341	C/A	0.364	0.364	-0.007	0.016	0.694	30.409
rs9352784	PC aa C42:6	6	80604130	G/A	0.111	0.111	-0.007	0.024	0.783	20.774
rs11692083	PC aa C42:6	2	59212187	G/A	0.567	0.433	-0.007	0.015	0.665	35.281
rs13012149	PC aa C42:6	2	122611171	G/A	0.593	0.407	-0.008	0.015	0.602	20.169
rs587806	PC aa C42:6	11	119882908	T/C	0.881	0.119	-0.008	0.023	0.728	21.792
rs370790808	PC aa C42:6	5	152146093	C/T	0.293	0.293	-0.008	0.017	0.634	22.246
rs11652858	PC aa C42:6	17	46844996	C/T	0.321	0.321	-0.009	0.016	0.561	23.644
rs2037711	PC aa C42:6	13	85476417	C/A	0.319	0.319	-0.009	0.016	0.561	19.835
rs4686704	PC aa C42:6	3	185579020	A/G	0.307	0.307	-0.009	0.017	0.574	22.345
rs3795944	PC aa C42:6	2	23920545	A/G	0.547	0.453	-0.010	0.015	0.519	23.117
rs7626445	PC aa C42:6	3	49114544	C/T	0.652	0.348	-0.010	0.016	0.521	31.540
rs60795232	PC aa C42:6	2	236680476	A/G	0.282	0.282	-0.011	0.016	0.490	29.572
rs552334	PC aa C42:6	11	95595694	T/C	0.532	0.468	-0.011	0.015	0.449	30.927
rs60083575	PC aa C42:6	13	58453785	T/C	0.240	0.240	-0.012	0.019	0.540	30.130
rs10168768	PC aa C42:6	2	137484713	G/T	0.592	0.408	-0.012	0.015	0.419	23.198
rs35287743	PC aa C42:6	12	110057250	G/T	0.101	0.101	-0.013	0.026	0.607	32.211
rs76157199	PC aa C42:6	2	98541874	A/G	0.036	0.036	-0.014	0.040	0.732	20.162
rs10986931	PC aa C42:6	9	128564209	C/T	0.582	0.418	-0.015	0.015	0.336	21.068
rs2417261	PC aa C42:6	12	13414139	T/G	0.896	0.104	-0.015	0.025	0.540	20.203
rs2471325	PC aa C42:6	4	3024044	C/T	0.321	0.321	-0.016	0.016	0.328	28.131
rs13053329	PC aa C42:6	22	31502732	A/G	0.492	0.492	-0.016	0.015	0.297	20.342
rs2425052	PC aa C42:6	20	33880729	A/C	0.445	0.445	-0.016	0.015	0.291	25.907
rs2710627	PC aa C42:6	2	32758627	A/G	0.648	0.353	-0.016	0.016	0.306	24.046
rs10253861	PC aa C42:6	7	8110475	G/A	0.554	0.446	-0.016	0.015	0.285	27.117
rs112423942	PC aa C42:6	4	189790022	C/T	0.043	0.043	-0.016	0.037	0.663	21.867
rs79416180	PC aa C42:6	7	136623471	C/T	0.095	0.095	-0.016	0.026	0.528	19.640
rs10889706	PC aa C42:6	1	41350787	A/C	0.303	0.303	-0.019	0.017	0.243	24.317
rs8008842	PC aa C42:6	14	41300060	A/G	0.460	0.460	-0.020	0.015	0.176	21.593
rs34130665	PC aa C42:6	2	215383374	C/T	0.481	0.481	-0.021	0.015	0.149	19.976
rs10977243	PC aa C42:6	9	8672042	A/G	0.089	0.089	-0.022	0.026	0.409	19.735

rs1061808	PC aa C42:6	6	32136547	T/G	0.632	0.368	-0.022	0.016	0.152	37.277
rs587978	PC aa C42:6	11	105801770	C/T	0.468	0.468	-0.024	0.015	0.108	24.834
rs2292239	PC aa C42:6	12	56482180	T/G	0.663	0.337	-0.026	0.016	0.102	29.926
rs112060520	PC aa C42:6	3	117671421	G/T	0.296	0.296	-0.028	0.016	0.087	22.751
rs2121884	PC aa C42:6	9	114638982	A/C	0.622	0.378	-0.030	0.015	0.052	20.552
rs1346075	PC aa C42:6	4	68028922	T/G	0.543	0.457	-0.030	0.015	0.047	20.095
rs80019665	PC aa C42:6	12	90992958	C/T	0.193	0.193	-0.033	0.023	0.162	23.485
rs548921575	PC aa C42:6	14	56911080	C/T	0.133	0.133	-0.035	0.026	0.186	22.361
rs6014531	PC aa C42:6	20	54403893	C/T	0.645	0.355	-0.035	0.016	0.026	19.824
rs35164264	PC aa C42:6	17	41150021	A/G	0.075	0.075	-0.038	0.029	0.187	22.391
rs35069754	PC aa C42:6	5	2295044	A/G	0.126	0.126	-0.041	0.023	0.073	22.132
rs79958999	PC aa C42:6	13	40758670	G/A	0.014	0.014	-0.044	0.074	0.551	24.095
rs72843234	PC aa C42:6	2	134435162	T/C	0.024	0.024	-0.045	0.050	0.370	20.015
rs13147599	PC aa C42:6	4	93784286	A/G	0.068	0.068	-0.047	0.030	0.124	21.293
rs72734517	PC aa C42:6	15	76101535	C/T	0.031	0.031	-0.056	0.044	0.203	19.561
rs150978694	PC aa C42:6	16	26515201	C/T	0.027	0.027	-0.060	0.047	0.198	21.246
rs62366395	PC aa C42:6	5	104370644	G/A	0.049	0.049	-0.062	0.035	0.079	21.288
rs117764493	PC aa C42:6	13	102131922	T/G	0.026	0.026	-0.070	0.048	0.145	20.480
rs114621346	PC ae C34:2	1	159171474	G/A	0.017	0.017	0.115	0.058	0.049	22.680
rs111650147	PC ae C34:2	1	95528581	T/C	0.032	0.032	0.114	0.043	0.008	21.763
rs72843234	PC ae C34:2	2	134435162	T/C	0.024	0.024	0.103	0.049	0.034	20.015
rs79958999	PC ae C34:2	13	40758670	G/A	0.014	0.014	0.101	0.072	0.160	24.095
rs117794620	PC ae C34:2	17	28991182	A/G	0.023	0.023	0.088	0.056	0.115	23.071
rs76157199	PC ae C34:2	2	98541874	A/G	0.036	0.036	0.069	0.039	0.074	20.162
rs2631024	PC ae C34:2	8	91995577	A/G	0.742	0.258	0.055	0.017	0.001	26.091
rs10977243	PC ae C34:2	9	8672042	A/G	0.089	0.089	0.049	0.026	0.055	19.735
rs1788823	PC ae C34:2	18	21114917	A/G	0.654	0.346	0.048	0.015	0.002	33.261
rs62366395	PC ae C34:2	5	104370644	G/A	0.049	0.049	0.037	0.034	0.273	21.288
rs139954992	PC ae C34:2	22	50992048	G/A	0.025	0.025	0.036	0.051	0.481	19.970
rs1346075	PC ae C34:2	4	68028922	T/G	0.543	0.457	0.032	0.015	0.028	20.095
rs11692083	PC ae C34:2	2	59212187	G/A	0.567	0.433	0.031	0.015	0.035	35.281
rs13248299	PC ae C34:2	8	106306761	C/T	0.550	0.450	0.028	0.015	0.052	20.653
rs62525716	PC ae C34:2	8	130056308	C/T	0.141	0.141	0.028	0.021	0.170	21.025

rs8008842	PC ae C34:2	14	41300060	A/G	0.460	0.460	0.027	0.015	0.061	21.593
rs117875805	PC ae C34:2	7	53786445	T/C	0.023	0.023	0.027	0.050	0.590	21.403
rs9597573	PC ae C34:2	13	58110178	T/C	0.442	0.442	0.026	0.015	0.075	20.845
rs7562697	PC ae C34:2	2	181918896	A/G	0.681	0.319	0.025	0.015	0.099	20.513
rs1472157	PC ae C34:2	9	81788743	T/C	0.626	0.374	0.025	0.015	0.094	26.452
rs35069754	PC ae C34:2	5	2295044	A/G	0.126	0.126	0.025	0.022	0.258	22.132
rs1557341	PC ae C34:2	18	35127427	A/C	0.651	0.349	0.025	0.015	0.104	22.613
rs6430204	PC ae C34:2	2	148343718	C/T	0.462	0.462	0.023	0.015	0.130	27.909
rs6780833	PC ae C34:2	3	137067993	G/A	0.391	0.391	0.019	0.015	0.197	29.645
rs6882046	PC ae C34:2	5	87968864	A/G	0.271	0.271	0.019	0.017	0.253	44.873
rs9264979	PC ae C34:2	6	31279908	G/A	0.586	0.414	0.018	0.015	0.220	27.903
rs150534	PC ae C34:2	5	60503133	G/A	0.520	0.480	0.018	0.014	0.224	31.772
rs115005266	PC ae C34:2	6	24249780	C/T	0.022	0.022	0.015	0.050	0.761	19.475
rs2037711	PC ae C34:2	13	85476417	C/A	0.319	0.319	0.015	0.016	0.334	19.835
rs11652858	PC ae C34:2	17	46844996	C/T	0.321	0.321	0.015	0.015	0.340	23.644
rs13012149	PC ae C34:2	2	122611171	G/A	0.593	0.407	0.014	0.015	0.332	20.169
rs72880354	PC ae C34:2	1	28683713	G/A	0.310	0.310	0.014	0.015	0.356	19.834
rs3999544	PC ae C34:2	6	26285867	C/T	0.549	0.451	0.014	0.014	0.341	25.749
rs2471325	PC ae C34:2	4	3024044	C/T	0.322	0.322	0.013	0.016	0.401	28.131
rs66922415	PC ae C34:2	18	57848651	A/G	0.241	0.241	0.013	0.017	0.447	40.296
rs7921305	PC ae C34:2	10	133775196	G/A	0.254	0.254	0.012	0.017	0.466	33.811
rs112060520	PC ae C34:2	3	117671421	G/T	0.296	0.296	0.012	0.016	0.461	22.751
rs10986931	PC ae C34:2	9	128564209	C/T	0.582	0.418	0.011	0.015	0.461	21.068
rs10253861	PC ae C34:2	7	8110475	G/A	0.554	0.446	0.010	0.015	0.477	27.117
rs13322059	PC ae C34:2	3	156310778	A/C	0.247	0.247	0.010	0.019	0.596	19.317
rs2417261	PC ae C34:2	12	13414139	T/G	0.896	0.104	0.010	0.024	0.681	20.203
rs60313989	PC ae C34:2	8	132075266	G/A	0.409	0.409	0.010	0.015	0.512	19.319
rs35996140	PC ae C34:2	3	68521478	C/A	0.205	0.205	0.010	0.018	0.594	20.333
rs4762172	PC ae C34:2	12	95493912	T/C	0.086	0.086	0.009	0.026	0.734	24.668
rs898751	PC ae C34:2	17	2291863	C/T	0.489	0.489	0.009	0.015	0.556	27.171
rs11128045	PC ae C34:2	3	88498034	T/C	0.389	0.389	0.008	0.015	0.617	20.977
rs3795944	PC ae C34:2	2	23920545	A/G	0.549	0.452	0.007	0.014	0.635	23.117
rs34330406	PC ae C34:2	2	180803486	C/T	0.017	0.017	0.007	0.063	0.915	22.477

rs12629217	PC ae C34:2	3	143442254	C/T	0.194	0.194	0.006	0.018	0.756	22.348
rs1819982	PC ae C34:2	5	168614172	C/A	0.533	0.467	0.005	0.015	0.709	20.776
rs335352	PC ae C34:2	6	155623709	G/A	0.659	0.341	0.005	0.015	0.740	21.453
rs6057026	PC ae C34:2	20	9904213	G/A	0.754	0.246	0.005	0.017	0.792	19.369
rs2694633	PC ae C34:2	2	61540642	A/C	0.681	0.319	0.004	0.016	0.820	24.389
rs151150389	PC ae C34:2	8	28897171	T/C	0.039	0.039	0.003	0.037	0.928	24.179
rs6767669	PC ae C34:2	3	116599500	G/A	0.266	0.266	0.003	0.017	0.851	26.575
rs62180989	PC ae C34:2	2	191271244	C/T	0.322	0.322	0.003	0.015	0.853	27.421
rs4698920	PC ae C34:2	4	105379055	G/A	0.654	0.346	0.003	0.015	0.863	29.668
rs880597	PC ae C34:2	9	102168293	C/T	0.331	0.331	0.002	0.015	0.876	24.234
rs35287743	PC ae C34:2	12	110057250	G/T	0.101	0.101	0.002	0.025	0.928	32.211
rs2121884	PC ae C34:2	9	114638982	A/C	0.621	0.379	0.002	0.015	0.883	20.552
rs12434775	PC ae C34:2	14	69524809	G/A	0.331	0.331	0.002	0.015	0.906	22.177
rs61817482	PC ae C34:2	1	204570347	G/A	0.201	0.201	0.002	0.018	0.924	25.528
rs13053329	PC ae C34:2	22	31502732	A/G	0.492	0.492	0.001	0.015	0.923	20.342
rs34130665	PC ae C34:2	2	215383374	C/T	0.481	0.481	0.001	0.014	0.930	19.976
rs7939241	PC ae C34:2	11	114859696	A/G	0.783	0.217	0.000	0.019	0.981	27.220
rs11251692	PC ae C34:2	10	364707	C/T	0.130	0.130	-0.001	0.021	0.958	21.753
rs10865037	PC ae C34:2	2	100871361	T/C	0.389	0.389	-0.001	0.015	0.931	19.723
rs4791393	PC ae C34:2	17	7822466	C/T	0.040	0.040	-0.002	0.038	0.969	20.255
rs6978112	PC ae C34:2	7	1966841	C/T	0.406	0.406	-0.002	0.015	0.918	38.200
rs587806	PC ae C34:2	11	119882908	T/C	0.882	0.118	-0.002	0.022	0.943	21.792
rs9847830	PC ae C34:2	3	100861030	A/C	0.173	0.173	-0.002	0.020	0.914	19.773
rs745136	PC ae C34:2	15	96899827	T/G	0.534	0.466	-0.003	0.016	0.870	23.065
rs12277713	PC ae C34:2	11	133528521	T/C	0.454	0.454	-0.003	0.015	0.841	22.492
rs961936	PC ae C34:2	11	29778265	A/G	0.426	0.426	-0.003	0.015	0.818	20.706
rs2425052	PC ae C34:2	20	33880729	A/C	0.445	0.445	-0.003	0.015	0.816	25.907
rs77403093	PC ae C34:2	17	57220124	C/T	0.311	0.311	-0.004	0.016	0.825	20.304
rs11882956	PC ae C34:2	19	5900470	G/A	0.026	0.026	-0.004	0.049	0.930	21.213
rs112423942	PC ae C34:2	4	189790022	C/T	0.043	0.043	-0.004	0.035	0.900	21.867
rs2915124	PC ae C34:2	1	68688538	A/G	0.219	0.219	-0.006	0.018	0.738	27.393
rs10168768	PC ae C34:2	2	137484713	G/T	0.592	0.408	-0.006	0.015	0.665	23.198
rs12137549	PC ae C34:2	1	190872114	T/C	0.362	0.362	-0.007	0.015	0.665	20.463

rs11681451	PC ae C34:2	2	225334104	T/C	0.323	0.323	-0.007	0.015	0.633	29.493
rs11018771	PC ae C34:2	11	89488562	T/C	0.364	0.364	-0.008	0.016	0.632	22.745
rs13064450	PC ae C34:2	3	21077708	G/A	0.471	0.471	-0.008	0.014	0.592	25.194
rs11102404	PC ae C34:2	1	112721915	G/A	0.653	0.347	-0.008	0.015	0.592	30.153
rs552334	PC ae C34:2	11	95595694	T/C	0.532	0.468	-0.008	0.015	0.573	30.927
rs12756240	PC ae C34:2	1	238433595	T/C	0.271	0.271	-0.009	0.016	0.596	20.827
rs4883913	PC ae C34:2	13	73145459	T/C	0.389	0.389	-0.009	0.015	0.553	20.076
rs2959495	PC ae C34:2	18	62113144	C/A	0.464	0.464	-0.010	0.015	0.513	21.467
rs10889706	PC ae C34:2	1	41350787	A/C	0.303	0.303	-0.011	0.016	0.504	24.317
rs739848	PC ae C34:2	19	18809314	C/T	0.187	0.187	-0.011	0.019	0.565	24.970
rs7784688	PC ae C34:2	7	32966042	T/C	0.644	0.356	-0.011	0.015	0.464	20.112
rs1061808	PC ae C34:2	6	32136547	T/G	0.633	0.367	-0.011	0.015	0.456	37.277
rs11227478	PC ae C34:2	11	66173400	G/A	0.210	0.210	-0.011	0.018	0.525	30.390
rs7871511	PC ae C34:2	9	5555160	A/C	0.175	0.175	-0.012	0.019	0.551	20.800
rs1308512	PC ae C34:2	9	87279298	A/G	0.791	0.209	-0.012	0.018	0.494	26.174
rs6014531	PC ae C34:2	20	54403893	C/T	0.645	0.355	-0.012	0.015	0.422	19.824
rs1039720	PC ae C34:2	18	73758482	G/A	0.793	0.207	-0.013	0.018	0.486	24.402
rs2491244	PC ae C34:2	13	28599914	G/A	0.578	0.422	-0.013	0.015	0.373	28.163
rs281219	PC ae C34:2	15	47711652	A/G	0.792	0.208	-0.013	0.018	0.469	36.335
rs35164264	PC ae C34:2	17	41150021	A/G	0.075	0.075	-0.013	0.028	0.642	22.391
rs76176628	PC ae C34:2	19	36345767	T/C	0.050	0.050	-0.013	0.034	0.701	27.617
rs2660338	PC ae C34:2	4	41982707	A/C	0.853	0.147	-0.014	0.021	0.499	25.956
rs1421085	PC ae C34:2	16	53800954	T/C	0.405	0.405	-0.014	0.015	0.332	84.782
rs4686704	PC ae C34:2	3	185579020	A/G	0.307	0.307	-0.015	0.016	0.349	22.345
rs7626445	PC ae C34:2	3	49114544	C/T	0.652	0.348	-0.015	0.015	0.312	31.540
rs2117028	PC ae C34:2	12	49480948	G/A	0.436	0.436	-0.016	0.015	0.306	26.102
rs696815	PC ae C34:2	2	198688084	A/C	0.648	0.352	-0.016	0.016	0.303	24.826
rs16903000	PC ae C34:2	5	13995236	T/C	0.298	0.298	-0.016	0.016	0.303	23.843
rs2710627	PC ae C34:2	2	32758627	A/G	0.648	0.352	-0.017	0.015	0.270	24.046
rs9422753	PC ae C34:2	10	126960137	T/C	0.197	0.197	-0.020	0.018	0.284	28.369
rs34118828	PC ae C34:2	15	27026260	G/A	0.354	0.354	-0.020	0.015	0.187	27.147
rs2292239	PC ae C34:2	12	56482180	T/G	0.663	0.338	-0.021	0.015	0.176	29.926
rs3785229	PC ae C34:2	16	7670999	A/G	0.544	0.456	-0.022	0.015	0.136	33.209

rs60795232	PC ae C34:2	2	236680476	A/G	0.282	0.282	-0.022	0.016	0.159	29.572
rs11641525	PC ae C34:2	16	89691310	G/A	0.046	0.046	-0.024	0.035	0.499	24.345
rs117764493	PC ae C34:2	13	102131922	T/G	0.026	0.026	-0.025	0.046	0.588	20.480
rs79416180	PC ae C34:2	7	136623471	C/T	0.094	0.094	-0.026	0.025	0.294	19.640
rs587978	PC ae C34:2	11	105801770	C/T	0.468	0.468	-0.028	0.014	0.049	24.834
rs16890052	PC ae C34:2	6	79184742	T/C	0.172	0.172	-0.029	0.019	0.137	20.464
rs4407278	PC ae C34:2	2	648607	C/T	0.774	0.226	-0.030	0.019	0.110	28.999
rs4655090	PC ae C34:2	1	23011945	C/T	0.242	0.242	-0.035	0.018	0.050	21.955
rs13147599	PC ae C34:2	4	93784286	A/G	0.068	0.068	-0.036	0.029	0.227	21.293
rs72913870	PC ae C34:2	3	89047588	G/A	0.111	0.111	-0.037	0.023	0.111	33.155
rs150978694	PC ae C34:2	16	26515201	C/T	0.028	0.028	-0.049	0.045	0.271	21.246
rs9352784	PC ae C34:2	6	80604130	G/A	0.112	0.112	-0.052	0.023	0.024	20.774
rs150262359	PC ae C34:2	16	29006757	G/A	0.044	0.044	-0.053	0.037	0.152	21.395
rs72734517	PC ae C34:2	15	76101535	C/T	0.031	0.031	-0.056	0.043	0.190	19.561
rs111650147	PC ae C36:2	1	95528581	T/C	0.032	0.032	0.098	0.043	0.022	21.763
rs72843234	PC ae C36:2	2	134435162	T/C	0.024	0.024	0.087	0.048	0.073	20.015
rs114621346	PC ae C36:2	1	159171474	G/A	0.017	0.017	0.085	0.058	0.142	22.680
rs76157199	PC ae C36:2	2	98541874	A/G	0.036	0.036	0.064	0.039	0.096	20.162
rs79958999	PC ae C36:2	13	40758670	G/A	0.014	0.014	0.051	0.071	0.476	24.095
rs34330406	PC ae C36:2	2	180803486	C/T	0.017	0.017	0.051	0.062	0.417	22.477
rs2631024	PC ae C36:2	8	91995577	A/G	0.742	0.258	0.045	0.016	0.006	26.091
rs1346075	PC ae C36:2	4	68028922	T/G	0.543	0.458	0.041	0.015	0.005	20.095
rs35069754	PC ae C36:2	5	2295044	A/G	0.126	0.126	0.038	0.022	0.086	22.132
rs10977243	PC ae C36:2	9	8672042	A/G	0.089	0.089	0.037	0.026	0.152	19.735
rs62366395	PC ae C36:2	5	104370644	G/A	0.049	0.049	0.033	0.034	0.335	21.288
rs1557341	PC ae C36:2	18	35127427	A/C	0.651	0.349	0.032	0.015	0.036	22.613
rs880597	PC ae C36:2	9	102168293	C/T	0.331	0.331	0.029	0.015	0.062	24.234
rs4762172	PC ae C36:2	12	95493912	T/C	0.086	0.086	0.029	0.026	0.271	24.668
rs1788823	PC ae C36:2	18	21114917	A/G	0.654	0.346	0.027	0.015	0.073	33.261
rs61817482	PC ae C36:2	1	204570347	G/A	0.201	0.201	0.027	0.018	0.132	25.528
rs6057026	PC ae C36:2	20	9904213	G/A	0.754	0.246	0.027	0.017	0.127	19.369
rs11128045	PC ae C36:2	3	88498034	T/C	0.389	0.389	0.025	0.015	0.094	20.977
rs35287743	PC ae C36:2	12	110057250	G/T	0.101	0.101	0.025	0.025	0.313	32.211

rs13012149	PC ae C36:2	2	122611171	G/A	0.593	0.407	0.024	0.015	0.100	20.169
rs9597573	PC ae C36:2	13	58110178	T/C	0.442	0.442	0.024	0.015	0.095	20.845
rs6430204	PC ae C36:2	2	148343718	C/T	0.462	0.462	0.024	0.015	0.111	27.909
rs76176628	PC ae C36:2	19	36345767	T/C	0.050	0.050	0.023	0.034	0.505	27.617
rs6882046	PC ae C36:2	5	87968864	A/G	0.271	0.271	0.022	0.016	0.175	44.873
rs150534	PC ae C36:2	5	60503133	G/A	0.520	0.480	0.022	0.014	0.133	31.772
rs13248299	PC ae C36:2	8	106306761	C/T	0.550	0.450	0.021	0.015	0.153	20.653
rs115005266	PC ae C36:2	6	24249780	C/T	0.022	0.022	0.020	0.050	0.684	19.475
rs335352	PC ae C36:2	6	155623709	G/A	0.659	0.341	0.020	0.015	0.192	21.453
rs2417261	PC ae C36:2	12	13414139	T/G	0.896	0.104	0.020	0.024	0.415	20.203
rs117794620	PC ae C36:2	17	28991182	A/G	0.023	0.023	0.019	0.056	0.738	23.071
rs1472157	PC ae C36:2	9	81788743	T/C	0.626	0.374	0.018	0.015	0.237	26.452
rs9264979	PC ae C36:2	6	31279908	G/A	0.586	0.414	0.017	0.015	0.245	27.903
rs11692083	PC ae C36:2	2	59212187	G/A	0.567	0.433	0.017	0.015	0.241	35.281
rs35996140	PC ae C36:2	3	68521478	C/A	0.205	0.205	0.016	0.018	0.365	20.333
rs2037711	PC ae C36:2	13	85476417	C/A	0.319	0.319	0.015	0.016	0.326	19.835
rs77403093	PC ae C36:2	17	57220124	C/T	0.311	0.311	0.015	0.016	0.328	20.304
rs60313989	PC ae C36:2	8	132075266	G/A	0.409	0.409	0.015	0.015	0.312	19.319
rs8008842	PC ae C36:2	14	41300060	A/G	0.460	0.460	0.015	0.014	0.305	21.593
rs72880354	PC ae C36:2	1	28683713	G/A	0.310	0.310	0.014	0.015	0.368	19.834
rs66922415	PC ae C36:2	18	57848651	A/G	0.241	0.241	0.014	0.017	0.411	40.296
rs7562697	PC ae C36:2	2	181918896	A/G	0.681	0.319	0.014	0.015	0.377	20.513
rs11251692	PC ae C36:2	10	364707	C/T	0.130	0.130	0.013	0.021	0.541	21.753
rs6978112	PC ae C36:2	7	1966841	C/T	0.406	0.406	0.012	0.015	0.402	38.200
rs139954992	PC ae C36:2	22	50992048	G/A	0.025	0.025	0.011	0.051	0.827	19.970
rs3795944	PC ae C36:2	2	23920545	A/G	0.549	0.452	0.011	0.014	0.441	23.117
rs6780833	PC ae C36:2	3	137067993	G/A	0.391	0.391	0.010	0.015	0.516	29.645
rs2425052	PC ae C36:2	20	33880729	A/C	0.445	0.445	0.009	0.015	0.534	25.907
rs10253861	PC ae C36:2	7	8110475	G/A	0.554	0.446	0.009	0.015	0.559	27.117
rs2915124	PC ae C36:2	1	68688538	A/G	0.219	0.219	0.008	0.018	0.634	27.393
rs898751	PC ae C36:2	17	2291863	C/T	0.489	0.489	0.008	0.015	0.588	27.171
rs9847830	PC ae C36:2	3	100861030	A/C	0.173	0.173	0.008	0.020	0.701	19.773
rs10168768	PC ae C36:2	2	137484713	G/T	0.592	0.408	0.007	0.015	0.619	23.198

rs552334	PC ae C36:2	11	95595694	T/C	0.532	0.468	0.007	0.015	0.648	30.927
rs2471325	PC ae C36:2	4	3024044	C/T	0.322	0.322	0.006	0.015	0.705	28.131
rs112060520	PC ae C36:2	3	117671421	G/T	0.296	0.296	0.005	0.016	0.744	22.751
rs3999544	PC ae C36:2	6	26285867	C/T	0.549	0.451	0.005	0.014	0.727	25.749
rs11652858	PC ae C36:2	17	46844996	C/T	0.321	0.321	0.004	0.015	0.783	23.644
rs62525716	PC ae C36:2	8	130056308	C/T	0.141	0.141	0.004	0.021	0.839	21.025
rs12434775	PC ae C36:2	14	69524809	G/A	0.331	0.331	0.003	0.015	0.827	22.177
rs7921305	PC ae C36:2	10	133775196	G/A	0.254	0.254	0.003	0.017	0.843	33.811
rs117875805	PC ae C36:2	7	53786445	T/C	0.023	0.023	0.003	0.050	0.953	21.403
rs2710627	PC ae C36:2	2	32758627	A/G	0.648	0.352	0.003	0.015	0.851	24.046
rs4698920	PC ae C36:2	4	105379055	G/A	0.654	0.346	0.003	0.015	0.858	29.668
rs281219	PC ae C36:2	15	47711652	A/G	0.792	0.208	0.003	0.018	0.883	36.335
rs7871511	PC ae C36:2	9	5555160	A/C	0.175	0.175	0.002	0.019	0.939	20.800
rs10865037	PC ae C36:2	2	100871361	T/C	0.389	0.389	0.001	0.015	0.929	19.723
rs13322059	PC ae C36:2	3	156310778	A/C	0.247	0.247	0.001	0.019	0.954	19.317
rs1819982	PC ae C36:2	5	168614172	C/A	0.533	0.467	0.001	0.014	0.963	20.776
rs2660338	PC ae C36:2	4	41982707	A/C	0.853	0.147	0.000	0.021	0.995	25.956
rs587806	PC ae C36:2	11	119882908	T/C	0.882	0.118	0.000	0.022	0.995	21.792
rs2694633	PC ae C36:2	2	61540642	A/C	0.681	0.319	-0.001	0.015	0.966	24.389
rs11102404	PC ae C36:2	1	112721915	G/A	0.653	0.347	-0.001	0.015	0.958	30.153
rs11681451	PC ae C36:2	2	225334104	T/C	0.323	0.323	-0.001	0.015	0.935	29.493
rs12629217	PC ae C36:2	3	143442254	C/T	0.194	0.194	-0.001	0.018	0.949	22.348
rs62180989	PC ae C36:2	2	191271244	C/T	0.322	0.322	-0.001	0.015	0.933	27.421
rs35164264	PC ae C36:2	17	41150021	A/G	0.075	0.075	-0.002	0.028	0.946	22.391
rs2491244	PC ae C36:2	13	28599914	G/A	0.578	0.422	-0.002	0.015	0.892	28.163
rs11018771	PC ae C36:2	11	89488562	T/C	0.364	0.364	-0.002	0.016	0.879	22.745
rs12756240	PC ae C36:2	1	238433595	T/C	0.271	0.271	-0.003	0.016	0.866	20.827
rs11641525	PC ae C36:2	16	89691310	G/A	0.046	0.046	-0.005	0.035	0.897	24.345
rs4883913	PC ae C36:2	13	73145459	T/C	0.389	0.389	-0.006	0.015	0.712	20.076
rs4686704	PC ae C36:2	3	185579020	A/G	0.307	0.307	-0.006	0.016	0.726	22.345
rs2121884	PC ae C36:2	9	114638982	A/C	0.621	0.379	-0.006	0.015	0.672	20.552
rs10986931	PC ae C36:2	9	128564209	C/T	0.582	0.418	-0.007	0.015	0.657	21.068
rs1039720	PC ae C36:2	18	73758482	G/A	0.793	0.207	-0.008	0.018	0.674	24.402

rs7939241	PC ae C36:2	11	114859696	A/G	0.783	0.217	-0.008	0.019	0.673	27.220
rs60795232	PC ae C36:2	2	236680476	A/G	0.282	0.282	-0.008	0.016	0.607	29.572
rs745136	PC ae C36:2	15	96899827	T/G	0.534	0.466	-0.008	0.016	0.606	23.065
rs151150389	PC ae C36:2	8	28897171	T/C	0.039	0.039	-0.009	0.037	0.806	24.179
rs34130665	PC ae C36:2	2	215383374	C/T	0.481	0.481	-0.009	0.014	0.531	19.976
rs13064450	PC ae C36:2	3	21077708	G/A	0.471	0.471	-0.009	0.014	0.526	25.194
rs16903000	PC ae C36:2	5	13995236	T/C	0.298	0.298	-0.009	0.016	0.565	23.843
rs2959495	PC ae C36:2	18	62113144	C/A	0.464	0.464	-0.010	0.015	0.498	21.467
rs7784688	PC ae C36:2	7	32966042	T/C	0.644	0.356	-0.010	0.015	0.510	20.112
rs12277713	PC ae C36:2	11	133528521	T/C	0.454	0.454	-0.011	0.015	0.476	22.492
rs6014531	PC ae C36:2	20	54403893	C/T	0.645	0.355	-0.011	0.015	0.487	19.824
rs6767669	PC ae C36:2	3	116599500	G/A	0.266	0.266	-0.011	0.017	0.530	26.575
rs12137549	PC ae C36:2	1	190872114	T/C	0.362	0.362	-0.011	0.015	0.466	20.463
rs696815	PC ae C36:2	2	198688084	A/C	0.648	0.352	-0.011	0.015	0.463	24.826
rs739848	PC ae C36:2	19	18809314	C/T	0.187	0.187	-0.013	0.019	0.499	24.970
rs1308512	PC ae C36:2	9	87279298	A/G	0.791	0.209	-0.013	0.018	0.462	26.174
rs2292239	PC ae C36:2	12	56482180	T/G	0.663	0.338	-0.014	0.015	0.370	29.926
rs11227478	PC ae C36:2	11	66173400	G/A	0.210	0.210	-0.014	0.018	0.438	30.390
rs7626445	PC ae C36:2	3	49114544	C/T	0.652	0.348	-0.015	0.015	0.327	31.540
rs3785229	PC ae C36:2	16	7670999	A/G	0.544	0.456	-0.015	0.015	0.307	33.209
rs34118828	PC ae C36:2	15	27026260	G/A	0.354	0.354	-0.016	0.015	0.300	27.147
rs10889706	PC ae C36:2	1	41350787	A/C	0.303	0.303	-0.016	0.016	0.317	24.317
rs2117028	PC ae C36:2	12	49480948	G/A	0.436	0.436	-0.016	0.015	0.294	26.102
rs587978	PC ae C36:2	11	105801770	C/T	0.468	0.468	-0.017	0.014	0.251	24.834
rs72734517	PC ae C36:2	15	76101535	C/T	0.031	0.031	-0.017	0.042	0.685	19.561
rs1061808	PC ae C36:2	6	32136547	T/G	0.633	0.367	-0.018	0.015	0.233	37.277
rs13053329	PC ae C36:2	22	31502732	A/G	0.492	0.492	-0.020	0.015	0.169	20.342
rs1421085	PC ae C36:2	16	53800954	T/C	0.405	0.405	-0.021	0.015	0.156	84.782
rs961936	PC ae C36:2	11	29778265	A/G	0.426	0.426	-0.021	0.015	0.150	20.706
rs4655090	PC ae C36:2	1	23011945	C/T	0.242	0.242	-0.023	0.018	0.189	21.955
rs4791393	PC ae C36:2	17	7822466	C/T	0.040	0.040	-0.024	0.038	0.524	20.255
rs4407278	PC ae C36:2	2	648607	C/T	0.774	0.226	-0.027	0.019	0.145	28.999
rs16890052	PC ae C36:2	6	79184742	T/C	0.172	0.172	-0.028	0.019	0.148	20.464

rs112423942	PC ae C36:2	4	189790022	C/T	0.043	0.043	-0.029	0.035	0.411	21.867
rs9422753	PC ae C36:2	10	126960137	T/C	0.197	0.197	-0.031	0.018	0.085	28.369
rs150262359	PC ae C36:2	16	29006757	G/A	0.044	0.044	-0.034	0.037	0.350	21.395
rs9352784	PC ae C36:2	6	80604130	G/A	0.112	0.112	-0.039	0.023	0.094	20.774
rs11882956	PC ae C36:2	19	5900470	G/A	0.026	0.026	-0.040	0.049	0.406	21.213
rs79416180	PC ae C36:2	7	136623471	C/T	0.094	0.094	-0.048	0.025	0.055	19.640
rs117764493	PC ae C36:2	13	102131922	T/G	0.026	0.026	-0.048	0.046	0.296	20.480
rs72913870	PC ae C36:2	3	89047588	G/A	0.111	0.111	-0.048	0.023	0.038	33.155
rs13147599	PC ae C36:2	4	93784286	A/G	0.068	0.068	-0.053	0.029	0.070	21.293
rs150978694	PC ae C36:2	16	26515201	C/T	0.028	0.028	-0.066	0.045	0.137	21.246
rs114621346	PC ae C40:5	1	159171474	G/A	0.017	0.017	0.079	0.059	0.176	22.680
rs111650147	PC ae C40:5	1	95528581	T/C	0.032	0.032	0.062	0.043	0.151	21.763
rs117794620	PC ae C40:5	17	28991182	A/G	0.023	0.023	0.057	0.056	0.307	23.071
rs139954992	PC ae C40:5	22	50992048	G/A	0.025	0.025	0.053	0.051	0.303	19.970
rs76157199	PC ae C40:5	2	98541874	A/G	0.036	0.036	0.052	0.039	0.183	20.162
rs4762172	PC ae C40:5	12	95493912	T/C	0.086	0.086	0.051	0.026	0.050	24.668
rs10977243	PC ae C40:5	9	8672042	A/G	0.089	0.089	0.049	0.026	0.055	19.735
rs76176628	PC ae C40:5	19	36345767	T/C	0.050	0.050	0.049	0.034	0.149	27.617
rs34330406	PC ae C40:5	2	180803486	C/T	0.017	0.017	0.039	0.063	0.537	22.477
rs66922415	PC ae C40:5	18	57848651	A/G	0.241	0.241	0.031	0.017	0.066	40.296
rs11128045	PC ae C40:5	3	88498034	T/C	0.390	0.390	0.025	0.015	0.104	20.977
rs880597	PC ae C40:5	9	102168293	C/T	0.331	0.331	0.025	0.016	0.110	24.234
rs2631024	PC ae C40:5	8	91995577	A/G	0.742	0.258	0.023	0.017	0.168	26.091
rs9264979	PC ae C40:5	6	31279908	G/A	0.586	0.414	0.022	0.015	0.138	27.903
rs35069754	PC ae C40:5	5	2295044	A/G	0.126	0.126	0.019	0.022	0.391	22.132
rs6780833	PC ae C40:5	3	137067993	G/A	0.391	0.391	0.019	0.015	0.204	29.645
rs4791393	PC ae C40:5	17	7822466	C/T	0.040	0.040	0.019	0.039	0.631	20.255
rs11227478	PC ae C40:5	11	66173400	G/A	0.210	0.210	0.018	0.018	0.301	30.390
rs72880354	PC ae C40:5	1	28683713	G/A	0.310	0.310	0.018	0.016	0.238	19.834
rs2915124	PC ae C40:5	1	68688538	A/G	0.219	0.219	0.017	0.018	0.329	27.393
rs2694633	PC ae C40:5	2	61540642	A/C	0.681	0.319	0.016	0.016	0.300	24.389
rs3999544	PC ae C40:5	6	26285867	C/T	0.549	0.451	0.016	0.015	0.283	25.749
rs6882046	PC ae C40:5	5	87968864	A/G	0.271	0.271	0.016	0.017	0.351	44.873

rs2117028	PC ae C40:5	12	49480948	G/A	0.436	0.436	0.015	0.016	0.327	26.102
rs13012149	PC ae C40:5	2	122611171	G/A	0.593	0.407	0.015	0.015	0.323	20.169
rs11641525	PC ae C40:5	16	89691310	G/A	0.046	0.046	0.015	0.036	0.681	24.345
rs1039720	PC ae C40:5	18	73758482	G/A	0.793	0.207	0.014	0.018	0.447	24.402
rs10253861	PC ae C40:5	7	8110475	G/A	0.554	0.446	0.014	0.015	0.348	27.117
rs745136	PC ae C40:5	15	96899827	T/G	0.534	0.466	0.013	0.016	0.424	23.065
rs8008842	PC ae C40:5	14	41300060	A/G	0.460	0.460	0.012	0.015	0.424	21.593
rs2491244	PC ae C40:5	13	28599914	G/A	0.578	0.422	0.011	0.015	0.444	28.163
rs11692083	PC ae C40:5	2	59212187	G/A	0.567	0.433	0.010	0.015	0.501	35.281
rs4655090	PC ae C40:5	1	23011945	C/T	0.242	0.242	0.010	0.018	0.583	21.955
rs34118828	PC ae C40:5	15	27026260	G/A	0.354	0.354	0.010	0.015	0.522	27.147
rs6430204	PC ae C40:5	2	148343718	C/T	0.462	0.462	0.008	0.015	0.591	27.909
rs13064450	PC ae C40:5	3	21077708	G/A	0.471	0.471	0.008	0.015	0.580	25.194
rs1061808	PC ae C40:5	6	32136547	T/G	0.633	0.367	0.008	0.015	0.608	37.277
rs12434775	PC ae C40:5	14	69524809	G/A	0.331	0.331	0.008	0.015	0.608	22.177
rs1472157	PC ae C40:5	9	81788743	T/C	0.626	0.374	0.007	0.015	0.628	26.452
rs35996140	PC ae C40:5	3	68521478	C/A	0.205	0.205	0.007	0.018	0.686	20.333
rs11681451	PC ae C40:5	2	225334104	T/C	0.323	0.323	0.007	0.015	0.653	29.493
rs115005266	PC ae C40:5	6	24249780	C/T	0.022	0.022	0.006	0.050	0.905	19.475
rs4407278	PC ae C40:5	2	648607	C/T	0.773	0.227	0.006	0.019	0.751	28.999
rs587806	PC ae C40:5	11	119882908	T/C	0.882	0.119	0.006	0.022	0.805	21.792
rs10889706	PC ae C40:5	1	41350787	A/C	0.303	0.303	0.005	0.016	0.755	24.317
rs335352	PC ae C40:5	6	155623709	G/A	0.660	0.340	0.005	0.015	0.753	21.453
rs61817482	PC ae C40:5	1	204570347	G/A	0.201	0.201	0.004	0.018	0.808	25.528
rs9847830	PC ae C40:5	3	100861030	A/C	0.173	0.173	0.004	0.020	0.832	19.773
rs6978112	PC ae C40:5	7	1966841	C/T	0.405	0.405	0.004	0.015	0.785	38.200
rs10986931	PC ae C40:5	9	128564209	C/T	0.582	0.418	0.004	0.015	0.795	21.068
rs1346075	PC ae C40:5	4	68028922	T/G	0.543	0.457	0.004	0.015	0.806	20.095
rs6014531	PC ae C40:5	20	54403893	C/T	0.645	0.355	0.004	0.016	0.815	19.824
rs7921305	PC ae C40:5	10	133775196	G/A	0.254	0.254	0.003	0.017	0.839	33.811
rs11251692	PC ae C40:5	10	364707	C/T	0.130	0.130	0.003	0.022	0.878	21.753
rs117875805	PC ae C40:5	7	53786445	T/C	0.023	0.023	0.003	0.050	0.950	21.403
rs2037711	PC ae C40:5	13	85476417	C/A	0.319	0.319	0.003	0.016	0.852	19.835

rs13248299	PC ae C40:5	8	106306761	C/T	0.550	0.450	0.002	0.015	0.873	20.653
rs2425052	PC ae C40:5	20	33880729	A/C	0.445	0.445	0.002	0.015	0.913	25.907
rs4883913	PC ae C40:5	13	73145459	T/C	0.389	0.389	0.001	0.015	0.976	20.076
rs35287743	PC ae C40:5	12	110057250	G/T	0.101	0.101	0.000	0.025	0.988	32.211
rs12756240	PC ae C40:5	1	238433595	T/C	0.271	0.271	0.000	0.016	0.988	20.827
rs7562697	PC ae C40:5	2	181918896	A/G	0.681	0.319	-0.001	0.015	0.967	20.513
rs1557341	PC ae C40:5	18	35127427	A/C	0.651	0.349	-0.001	0.015	0.950	22.613
rs77403093	PC ae C40:5	17	57220124	C/T	0.311	0.311	-0.001	0.016	0.931	20.304
rs1788823	PC ae C40:5	18	21114917	A/G	0.654	0.346	-0.003	0.015	0.846	33.261
rs16890052	PC ae C40:5	6	79184742	T/C	0.172	0.172	-0.003	0.019	0.862	20.464
rs1819982	PC ae C40:5	5	168614172	C/A	0.533	0.467	-0.004	0.015	0.805	20.776
rs34130665	PC ae C40:5	2	215383374	C/T	0.481	0.481	-0.004	0.015	0.806	19.976
rs6767669	PC ae C40:5	3	116599500	G/A	0.266	0.266	-0.004	0.017	0.825	26.575
rs60313989	PC ae C40:5	8	132075266	G/A	0.408	0.408	-0.004	0.015	0.792	19.319
rs62180989	PC ae C40:5	2	191271244	C/T	0.322	0.322	-0.004	0.016	0.803	27.421
rs1308512	PC ae C40:5	9	87279298	A/G	0.790	0.210	-0.004	0.018	0.807	26.174
rs12137549	PC ae C40:5	1	190872114	T/C	0.362	0.362	-0.005	0.015	0.763	20.463
rs961936	PC ae C40:5	11	29778265	A/G	0.426	0.426	-0.005	0.015	0.724	20.706
rs7871511	PC ae C40:5	9	5555160	A/C	0.175	0.175	-0.006	0.020	0.777	20.800
rs9597573	PC ae C40:5	13	58110178	T/C	0.442	0.442	-0.006	0.015	0.694	20.845
rs11102404	PC ae C40:5	1	112721915	G/A	0.653	0.347	-0.006	0.015	0.681	30.153
rs4698920	PC ae C40:5	4	105379055	G/A	0.654	0.346	-0.007	0.015	0.666	29.668
rs2121884	PC ae C40:5	9	114638982	A/C	0.621	0.379	-0.007	0.015	0.655	20.552
rs4686704	PC ae C40:5	3	185579020	A/G	0.308	0.308	-0.007	0.016	0.673	22.345
rs898751	PC ae C40:5	17	2291863	C/T	0.488	0.488	-0.007	0.015	0.636	27.171
rs13053329	PC ae C40:5	22	31502732	A/G	0.492	0.492	-0.007	0.015	0.636	20.342
rs12277713	PC ae C40:5	11	133528521	T/C	0.454	0.454	-0.007	0.015	0.622	22.492
rs587978	PC ae C40:5	11	105801770	C/T	0.468	0.468	-0.007	0.014	0.607	24.834
rs10865037	PC ae C40:5	2	100871361	T/C	0.389	0.389	-0.008	0.015	0.583	19.723
rs60795232	PC ae C40:5	2	236680476	A/G	0.282	0.282	-0.008	0.016	0.602	29.572
rs150534	PC ae C40:5	5	60503133	G/A	0.520	0.480	-0.009	0.014	0.557	31.772
rs11652858	PC ae C40:5	17	46844996	C/T	0.321	0.321	-0.009	0.016	0.561	23.644
rs16903000	PC ae C40:5	5	13995236	T/C	0.297	0.297	-0.010	0.016	0.547	23.843

rs7626445	PC ae C40:5	3	49114544	C/T	0.652	0.348	-0.010	0.015	0.522	31.540
rs696815	PC ae C40:5	2	198688084	A/C	0.649	0.351	-0.010	0.016	0.524	24.826
rs10168768	PC ae C40:5	2	137484713	G/T	0.592	0.408	-0.010	0.015	0.494	23.198
rs7784688	PC ae C40:5	7	32966042	T/C	0.644	0.356	-0.010	0.015	0.500	20.112
rs6057026	PC ae C40:5	20	9904213	G/A	0.754	0.246	-0.011	0.018	0.535	19.369
rs2471325	PC ae C40:5	4	3024044	C/T	0.322	0.322	-0.013	0.016	0.403	28.131
rs9422753	PC ae C40:5	10	126960137	T/C	0.197	0.197	-0.013	0.018	0.473	28.369
rs552334	PC ae C40:5	11	95595694	T/C	0.532	0.468	-0.014	0.015	0.351	30.927
rs13322059	PC ae C40:5	3	156310778	A/C	0.248	0.248	-0.014	0.019	0.451	19.317
rs11018771	PC ae C40:5	11	89488562	T/C	0.364	0.364	-0.014	0.016	0.367	22.745
rs3795944	PC ae C40:5	2	23920545	A/G	0.549	0.452	-0.015	0.015	0.310	23.117
rs35164264	PC ae C40:5	17	41150021	A/G	0.075	0.075	-0.015	0.028	0.587	22.391
rs112423942	PC ae C40:5	4	189790022	C/T	0.043	0.043	-0.016	0.036	0.662	21.867
rs1421085	PC ae C40:5	16	53800954	T/C	0.405	0.405	-0.016	0.015	0.267	84.782
rs2292239	PC ae C40:5	12	56482180	T/G	0.663	0.338	-0.018	0.015	0.233	29.926
rs281219	PC ae C40:5	15	47711652	A/G	0.792	0.208	-0.019	0.018	0.300	36.335
rs112060520	PC ae C40:5	3	117671421	G/T	0.296	0.296	-0.019	0.016	0.227	22.751
rs12629217	PC ae C40:5	3	143442254	C/T	0.194	0.194	-0.020	0.019	0.292	22.348
rs62525716	PC ae C40:5	8	130056308	C/T	0.141	0.141	-0.020	0.021	0.328	21.025
rs151150389	PC ae C40:5	8	28897171	T/C	0.039	0.039	-0.021	0.037	0.570	24.179
rs72843234	PC ae C40:5	2	134435162	T/C	0.024	0.024	-0.023	0.049	0.642	20.015
rs2959495	PC ae C40:5	18	62113144	C/A	0.464	0.464	-0.025	0.015	0.094	21.467
rs2710627	PC ae C40:5	2	32758627	A/G	0.648	0.352	-0.027	0.015	0.076	24.046
rs3785229	PC ae C40:5	16	7670999	A/G	0.544	0.456	-0.028	0.015	0.060	33.209
rs72913870	PC ae C40:5	3	89047588	G/A	0.111	0.111	-0.033	0.024	0.157	33.155
rs117764493	PC ae C40:5	13	102131922	T/G	0.026	0.026	-0.034	0.047	0.474	20.480
rs7939241	PC ae C40:5	11	114859696	A/G	0.783	0.217	-0.034	0.019	0.074	27.220
rs150262359	PC ae C40:5	16	29006757	G/A	0.044	0.044	-0.034	0.037	0.358	21.395
rs9352784	PC ae C40:5	6	80604130	G/A	0.112	0.112	-0.035	0.023	0.137	20.774
rs13147599	PC ae C40:5	4	93784286	A/G	0.068	0.068	-0.040	0.030	0.175	21.293
rs2417261	PC ae C40:5	12	13414139	T/G	0.896	0.104	-0.041	0.024	0.089	20.203
rs62366395	PC ae C40:5	5	104370644	G/A	0.049	0.049	-0.042	0.034	0.221	21.288
rs79416180	PC ae C40:5	7	136623471	C/T	0.094	0.094	-0.042	0.025	0.094	19.640

rs739848	PC ae C40:5	19	18809314	C/T	0.187	0.187	-0.046	0.019	0.014	24.970
rs2660338	PC ae C40:5	4	41982707	A/C	0.853	0.147	-0.059	0.021	0.005	25.956
rs150978694	PC ae C40:5	16	26515201	C/T	0.028	0.028	-0.061	0.045	0.180	21.246
rs72734517	PC ae C40:5	15	76101535	C/T	0.031	0.031	-0.106	0.043	0.013	19.561
rs11882956	PC ae C40:5	19	5900470	G/A	0.026	0.026	-0.109	0.049	0.027	21.213
rs79958999	PC ae C40:5	13	40758670	G/A	0.014	0.014	-0.154	0.072	0.033	24.095
rs114621346	PC ae C40:6	1	159171474	G/A	0.017	0.017	0.145	0.058	0.012	22.680
rs117794620	PC ae C40:6	17	28991182	A/G	0.023	0.023	0.078	0.056	0.162	23.071
rs76157199	PC ae C40:6	2	98541874	A/G	0.036	0.036	0.056	0.038	0.142	20.162
rs151150389	PC ae C40:6	8	28897171	T/C	0.039	0.039	0.050	0.037	0.174	24.179
rs6882046	PC ae C40:6	5	87968864	A/G	0.271	0.271	0.042	0.016	0.010	44.873
rs11251692	PC ae C40:6	10	364707	C/T	0.130	0.130	0.039	0.021	0.065	21.753
rs150534	PC ae C40:6	5	60503133	G/A	0.520	0.480	0.035	0.014	0.014	31.772
rs117875805	PC ae C40:6	7	53786445	T/C	0.023	0.023	0.034	0.049	0.486	21.403
rs2631024	PC ae C40:6	8	91995577	A/G	0.742	0.258	0.032	0.016	0.055	26.091
rs4698920	PC ae C40:6	4	105379055	G/A	0.654	0.346	0.027	0.015	0.078	29.668
rs2037711	PC ae C40:6	13	85476417	C/A	0.319	0.319	0.026	0.016	0.099	19.835
rs10253861	PC ae C40:6	7	8110475	G/A	0.554	0.446	0.025	0.015	0.084	27.117
rs79958999	PC ae C40:6	13	40758670	G/A	0.014	0.014	0.025	0.071	0.730	24.095
rs6978112	PC ae C40:6	7	1966841	C/T	0.405	0.405	0.025	0.015	0.092	38.200
rs4762172	PC ae C40:6	12	95493912	T/C	0.086	0.086	0.024	0.026	0.347	24.668
rs62525716	PC ae C40:6	8	130056308	C/T	0.141	0.141	0.024	0.021	0.250	21.025
rs11681451	PC ae C40:6	2	225334104	T/C	0.323	0.323	0.023	0.015	0.122	29.493
rs11227478	PC ae C40:6	11	66173400	G/A	0.210	0.210	0.023	0.018	0.193	30.390
rs1472157	PC ae C40:6	9	81788743	T/C	0.626	0.374	0.022	0.015	0.134	26.452
rs11692083	PC ae C40:6	2	59212187	G/A	0.567	0.433	0.020	0.015	0.173	35.281
rs7939241	PC ae C40:6	11	114859696	A/G	0.783	0.217	0.020	0.019	0.286	27.220
rs77403093	PC ae C40:6	17	57220124	C/T	0.311	0.311	0.019	0.016	0.235	20.304
rs2471325	PC ae C40:6	4	3024044	C/T	0.322	0.322	0.018	0.015	0.239	28.131
rs7871511	PC ae C40:6	9	5555160	A/C	0.175	0.175	0.018	0.019	0.356	20.800
rs12629217	PC ae C40:6	3	143442254	C/T	0.194	0.194	0.017	0.018	0.350	22.348
rs35996140	PC ae C40:6	3	68521478	C/A	0.205	0.205	0.017	0.018	0.337	20.333
rs115005266	PC ae C40:6	6	24249780	C/T	0.022	0.022	0.016	0.050	0.743	19.475

rs11652858	PC ae C40:6	17	46844996	C/T	0.321	0.321	0.014	0.015	0.352	23.644
rs13322059	PC ae C40:6	3	156310778	A/C	0.248	0.248	0.014	0.019	0.456	19.317
rs3795944	PC ae C40:6	2	23920545	A/G	0.549	0.452	0.013	0.014	0.353	23.117
rs11128045	PC ae C40:6	3	88498034	T/C	0.390	0.390	0.013	0.015	0.389	20.977
rs7921305	PC ae C40:6	10	133775196	G/A	0.253	0.253	0.013	0.017	0.434	33.811
rs72843234	PC ae C40:6	2	134435162	T/C	0.024	0.024	0.012	0.048	0.800	20.015
rs4655090	PC ae C40:6	1	23011945	C/T	0.242	0.242	0.012	0.018	0.508	21.955
rs10168768	PC ae C40:6	2	137484713	G/T	0.592	0.408	0.011	0.015	0.443	23.198
rs10865037	PC ae C40:6	2	100871361	T/C	0.389	0.389	0.011	0.015	0.444	19.723
rs16903000	PC ae C40:6	5	13995236	T/C	0.297	0.297	0.011	0.016	0.481	23.843
rs9597573	PC ae C40:6	13	58110178	T/C	0.442	0.442	0.011	0.015	0.445	20.845
rs13248299	PC ae C40:6	8	106306761	C/T	0.550	0.450	0.011	0.015	0.459	20.653
rs6767669	PC ae C40:6	3	116599500	G/A	0.266	0.266	0.010	0.017	0.537	26.575
rs1557341	PC ae C40:6	18	35127427	A/C	0.651	0.349	0.010	0.015	0.510	22.613
rs2425052	PC ae C40:6	20	33880729	A/C	0.445	0.445	0.010	0.015	0.496	25.907
rs961936	PC ae C40:6	11	29778265	A/G	0.426	0.426	0.010	0.015	0.498	20.706
rs9264979	PC ae C40:6	6	31279908	G/A	0.586	0.414	0.009	0.015	0.529	27.903
rs2694633	PC ae C40:6	2	61540642	A/C	0.681	0.319	0.009	0.015	0.555	24.389
rs66922415	PC ae C40:6	18	57848651	A/G	0.241	0.241	0.009	0.017	0.582	40.296
rs6780833	PC ae C40:6	3	137067993	G/A	0.391	0.391	0.009	0.015	0.545	29.645
rs2915124	PC ae C40:6	1	68688538	A/G	0.219	0.219	0.009	0.018	0.620	27.393
rs7562697	PC ae C40:6	2	181918896	A/G	0.681	0.319	0.008	0.015	0.586	20.513
rs16890052	PC ae C40:6	6	79184742	T/C	0.172	0.172	0.007	0.019	0.701	20.464
rs35164264	PC ae C40:6	17	41150021	A/G	0.075	0.075	0.007	0.028	0.795	22.391
rs8008842	PC ae C40:6	14	41300060	A/G	0.460	0.460	0.007	0.014	0.632	21.593
rs1346075	PC ae C40:6	4	68028922	T/G	0.543	0.457	0.007	0.015	0.641	20.095
rs9847830	PC ae C40:6	3	100861030	A/C	0.173	0.173	0.007	0.020	0.740	19.773
rs552334	PC ae C40:6	11	95595694	T/C	0.532	0.468	0.006	0.015	0.661	30.927
rs10977243	PC ae C40:6	9	8672042	A/G	0.089	0.089	0.006	0.025	0.814	19.735
rs12137549	PC ae C40:6	1	190872114	T/C	0.362	0.362	0.005	0.015	0.717	20.463
rs880597	PC ae C40:6	9	102168293	C/T	0.331	0.331	0.005	0.015	0.743	24.234
rs335352	PC ae C40:6	6	155623709	G/A	0.660	0.340	0.005	0.015	0.747	21.453
rs34118828	PC ae C40:6	15	27026260	G/A	0.354	0.354	0.005	0.015	0.754	27.147

rs12434775	PC ae C40:6	14	69524809	G/A	0.331	0.331	0.004	0.015	0.806	22.177
rs4407278	PC ae C40:6	2	648607	C/T	0.773	0.227	0.002	0.019	0.901	28.999
rs11018771	PC ae C40:6	11	89488562	T/C	0.364	0.364	0.002	0.016	0.904	22.745
rs61817482	PC ae C40:6	1	204570347	G/A	0.201	0.201	0.002	0.018	0.916	25.528
rs1039720	PC ae C40:6	18	73758482	G/A	0.793	0.207	0.001	0.018	0.948	24.402
rs2491244	PC ae C40:6	13	28599914	G/A	0.578	0.422	0.001	0.015	0.971	28.163
rs11102404	PC ae C40:6	1	112721915	G/A	0.653	0.347	0.000	0.015	0.981	30.153
rs35287743	PC ae C40:6	12	110057250	G/T	0.101	0.101	0.000	0.025	0.994	32.211
rs1819982	PC ae C40:6	5	168614172	C/A	0.533	0.467	0.000	0.014	0.992	20.776
rs7784688	PC ae C40:6	7	32966042	T/C	0.644	0.356	0.000	0.015	0.994	20.112
rs72880354	PC ae C40:6	1	28683713	G/A	0.310	0.310	0.000	0.015	0.981	19.834
rs7626445	PC ae C40:6	3	49114544	C/T	0.652	0.348	-0.001	0.015	0.973	31.540
rs13012149	PC ae C40:6	2	122611171	G/A	0.593	0.407	-0.001	0.015	0.963	20.169
rs3999544	PC ae C40:6	6	26285867	C/T	0.549	0.451	-0.001	0.014	0.949	25.749
rs117764493	PC ae C40:6	13	102131922	T/G	0.026	0.026	-0.001	0.046	0.981	20.480
rs72734517	PC ae C40:6	15	76101535	C/T	0.031	0.031	-0.002	0.042	0.959	19.561
rs60313989	PC ae C40:6	8	132075266	G/A	0.408	0.408	-0.003	0.015	0.848	19.319
rs62366395	PC ae C40:6	5	104370644	G/A	0.049	0.049	-0.003	0.034	0.928	21.288
rs1308512	PC ae C40:6	9	87279298	A/G	0.790	0.210	-0.003	0.018	0.848	26.174
rs2959495	PC ae C40:6	18	62113144	C/A	0.464	0.464	-0.004	0.015	0.770	21.467
rs587806	PC ae C40:6	11	119882908	T/C	0.881	0.119	-0.004	0.022	0.847	21.792
rs281219	PC ae C40:6	15	47711652	A/G	0.792	0.208	-0.005	0.018	0.801	36.335
rs11641525	PC ae C40:6	16	89691310	G/A	0.046	0.046	-0.005	0.035	0.883	24.345
rs150262359	PC ae C40:6	16	29006757	G/A	0.044	0.044	-0.006	0.037	0.881	21.395
rs35069754	PC ae C40:6	5	2295044	A/G	0.126	0.126	-0.006	0.022	0.802	22.132
rs1421085	PC ae C40:6	16	53800954	T/C	0.405	0.405	-0.006	0.015	0.695	84.782
rs6014531	PC ae C40:6	20	54403893	C/T	0.645	0.355	-0.006	0.015	0.683	19.824
rs696815	PC ae C40:6	2	198688084	A/C	0.649	0.351	-0.007	0.015	0.672	24.826
rs2117028	PC ae C40:6	12	49480948	G/A	0.436	0.436	-0.007	0.015	0.661	26.102
rs1788823	PC ae C40:6	18	21114917	A/G	0.654	0.346	-0.007	0.015	0.629	33.261
rs3785229	PC ae C40:6	16	7670999	A/G	0.544	0.456	-0.008	0.015	0.590	33.209
rs6057026	PC ae C40:6	20	9904213	G/A	0.754	0.246	-0.008	0.017	0.648	19.369
rs112060520	PC ae C40:6	3	117671421	G/T	0.296	0.296	-0.009	0.016	0.553	22.751

rs12277713	PC ae C40:6	11	133528521	T/C	0.454	0.454	-0.010	0.015	0.517	22.492
rs112423942	PC ae C40:6	4	189790022	C/T	0.043	0.043	-0.010	0.035	0.778	21.867
rs10986931	PC ae C40:6	9	128564209	C/T	0.582	0.418	-0.010	0.015	0.487	21.068
rs13064450	PC ae C40:6	3	21077708	G/A	0.471	0.471	-0.010	0.014	0.478	25.194
rs898751	PC ae C40:6	17	2291863	C/T	0.488	0.488	-0.012	0.014	0.400	27.171
rs10889706	PC ae C40:6	1	41350787	A/C	0.303	0.303	-0.012	0.016	0.444	24.317
rs139954992	PC ae C40:6	22	50992048	G/A	0.025	0.025	-0.013	0.051	0.801	19.970
rs34330406	PC ae C40:6	2	180803486	C/T	0.017	0.017	-0.013	0.062	0.829	22.477
rs587978	PC ae C40:6	11	105801770	C/T	0.468	0.468	-0.014	0.014	0.334	24.834
rs2710627	PC ae C40:6	2	32758627	A/G	0.648	0.352	-0.014	0.015	0.345	24.046
rs111650147	PC ae C40:6	1	95528581	T/C	0.032	0.032	-0.017	0.043	0.688	21.763
rs34130665	PC ae C40:6	2	215383374	C/T	0.481	0.481	-0.018	0.014	0.198	19.976
rs6430204	PC ae C40:6	2	148343718	C/T	0.462	0.462	-0.019	0.015	0.214	27.909
rs4686704	PC ae C40:6	3	185579020	A/G	0.308	0.308	-0.019	0.016	0.230	22.345
rs2292239	PC ae C40:6	12	56482180	T/G	0.663	0.338	-0.022	0.015	0.156	29.926
rs62180989	PC ae C40:6	2	191271244	C/T	0.322	0.322	-0.022	0.015	0.148	27.421
rs12756240	PC ae C40:6	1	238433595	T/C	0.271	0.271	-0.023	0.016	0.150	20.827
rs4791393	PC ae C40:6	17	7822466	C/T	0.040	0.040	-0.024	0.038	0.539	20.255
rs60795232	PC ae C40:6	2	236680476	A/G	0.282	0.282	-0.024	0.016	0.135	29.572
rs739848	PC ae C40:6	19	18809314	C/T	0.187	0.187	-0.024	0.019	0.201	24.970
rs4883913	PC ae C40:6	13	73145459	T/C	0.389	0.389	-0.025	0.015	0.097	20.076
rs13147599	PC ae C40:6	4	93784286	A/G	0.068	0.068	-0.028	0.029	0.345	21.293
rs745136	PC ae C40:6	15	96899827	T/G	0.534	0.466	-0.028	0.016	0.077	23.065
rs9352784	PC ae C40:6	6	80604130	G/A	0.111	0.111	-0.028	0.023	0.224	20.774
rs13053329	PC ae C40:6	22	31502732	A/G	0.492	0.492	-0.028	0.015	0.054	20.342
rs1061808	PC ae C40:6	6	32136547	T/G	0.633	0.367	-0.030	0.015	0.044	37.277
rs2660338	PC ae C40:6	4	41982707	A/C	0.853	0.147	-0.031	0.021	0.129	25.956
rs11882956	PC ae C40:6	19	5900470	G/A	0.026	0.026	-0.034	0.049	0.480	21.213
rs9422753	PC ae C40:6	10	126960137	T/C	0.197	0.197	-0.035	0.018	0.052	28.369
rs2121884	PC ae C40:6	9	114638982	A/C	0.621	0.379	-0.036	0.015	0.015	20.552
rs79416180	PC ae C40:6	7	136623471	C/T	0.094	0.094	-0.037	0.025	0.134	19.640
rs76176628	PC ae C40:6	19	36345767	T/C	0.050	0.050	-0.046	0.034	0.176	27.617
rs2417261	PC ae C40:6	12	13414139	T/G	0.896	0.104	-0.047	0.024	0.049	20.203

rs72913870	PC ae C40:6	3	89047588	G/A	0.111	0.111	-0.051	0.023	0.028	33.155
rs150978694	PC ae C40:6	16	26515201	C/T	0.028	0.028	-0.092	0.045	0.038	21.246
rs10977243	SM C20:2	9	8672042	A/G	0.089	0.089	0.075	0.025	0.003	19.735
rs139954992	SM C20:2	22	50992048	G/A	0.025	0.025	0.070	0.050	0.163	19.970
rs79958999	SM C20:2	13	40758670	G/A	0.014	0.014	0.062	0.071	0.381	24.095
rs11641525	SM C20:2	16	89691310	G/A	0.046	0.046	0.060	0.035	0.085	24.345
rs117875805	SM C20:2	7	53786445	T/C	0.023	0.023	0.053	0.049	0.285	21.403
rs35287743	SM C20:2	12	110057250	G/T	0.101	0.101	0.051	0.025	0.041	32.211
rs111650147	SM C20:2	1	95528581	T/C	0.032	0.032	0.047	0.043	0.271	21.763
rs2631024	SM C20:2	8	91995577	A/G	0.741	0.259	0.045	0.016	0.006	26.091
rs6780833	SM C20:2	3	137067993	G/A	0.392	0.392	0.039	0.015	0.009	29.645
rs9264979	SM C20:2	6	31279908	G/A	0.586	0.414	0.038	0.015	0.010	27.903
rs61817482	SM C20:2	1	204570347	G/A	0.202	0.202	0.037	0.018	0.041	25.528
rs1557341	SM C20:2	18	35127427	A/C	0.651	0.349	0.035	0.015	0.020	22.613
rs72843234	SM C20:2	2	134435162	T/C	0.024	0.024	0.033	0.048	0.489	20.015
rs4791393	SM C20:2	17	7822466	C/T	0.040	0.040	0.029	0.038	0.441	20.255
rs880597	SM C20:2	9	102168293	C/T	0.331	0.331	0.024	0.015	0.117	24.234
rs151150389	SM C20:2	8	28897171	T/C	0.039	0.039	0.023	0.037	0.523	24.179
rs2491244	SM C20:2	13	28599914	G/A	0.578	0.422	0.022	0.014	0.123	28.163
rs62180989	SM C20:2	2	191271244	C/T	0.322	0.322	0.021	0.015	0.180	27.421
rs11251692	SM C20:2	10	364707	C/T	0.130	0.130	0.020	0.021	0.342	21.753
rs1472157	SM C20:2	9	81788743	T/C	0.626	0.374	0.020	0.015	0.178	26.452
rs9597573	SM C20:2	13	58110178	T/C	0.442	0.442	0.018	0.015	0.215	20.845
rs10253861	SM C20:2	7	8110475	G/A	0.553	0.447	0.017	0.014	0.242	27.117
rs2417261	SM C20:2	12	13414139	T/G	0.896	0.104	0.016	0.024	0.516	20.203
rs60313989	SM C20:2	8	132075266	G/A	0.408	0.408	0.016	0.015	0.286	19.319
rs6057026	SM C20:2	20	9904213	G/A	0.754	0.246	0.015	0.017	0.374	19.369
rs3795944	SM C20:2	2	23920545	A/G	0.549	0.451	0.014	0.014	0.312	23.117
rs1819982	SM C20:2	5	168614172	C/A	0.533	0.467	0.013	0.014	0.350	20.776
rs66922415	SM C20:2	18	57848651	A/G	0.241	0.241	0.013	0.017	0.421	40.296
rs12434775	SM C20:2	14	69524809	G/A	0.331	0.331	0.013	0.015	0.401	22.177
rs34118828	SM C20:2	15	27026260	G/A	0.354	0.354	0.012	0.015	0.421	27.147
rs10889706	SM C20:2	1	41350787	A/C	0.303	0.303	0.012	0.016	0.466	24.317

rs4407278	SM C20:2	2	648607	C/T	0.773	0.227	0.011	0.018	0.540	28.999
rs8008842	SM C20:2	14	41300060	A/G	0.460	0.460	0.011	0.014	0.428	21.593
rs10865037	SM C20:2	2	100871361	T/C	0.389	0.389	0.011	0.015	0.452	19.723
rs11102404	SM C20:2	1	112721915	G/A	0.653	0.347	0.010	0.015	0.486	30.153
rs62525716	SM C20:2	8	130056308	C/T	0.141	0.141	0.010	0.020	0.621	21.025
rs13064450	SM C20:2	3	21077708	G/A	0.471	0.471	0.010	0.014	0.494	25.194
rs1039720	SM C20:2	18	73758482	G/A	0.793	0.207	0.010	0.018	0.598	24.402
rs117794620	SM C20:2	17	28991182	A/G	0.023	0.023	0.008	0.055	0.879	23.071
rs1061808	SM C20:2	6	32136547	T/G	0.634	0.366	0.008	0.015	0.610	37.277
rs1308512	SM C20:2	9	87279298	A/G	0.790	0.210	0.008	0.018	0.670	26.174
rs34130665	SM C20:2	2	215383374	C/T	0.481	0.481	0.007	0.014	0.615	19.976
rs7562697	SM C20:2	2	181918896	A/G	0.681	0.319	0.007	0.015	0.654	20.513
rs11882956	SM C20:2	19	5900470	G/A	0.026	0.026	0.007	0.048	0.890	21.213
rs1788823	SM C20:2	18	21114917	A/G	0.654	0.346	0.006	0.015	0.673	33.261
rs2915124	SM C20:2	1	68688538	A/G	0.219	0.219	0.006	0.017	0.736	27.393
rs11128045	SM C20:2	3	88498034	T/C	0.390	0.390	0.006	0.015	0.706	20.977
rs11227478	SM C20:2	11	66173400	G/A	0.210	0.210	0.006	0.018	0.745	30.390
rs35996140	SM C20:2	3	68521478	C/A	0.205	0.205	0.006	0.018	0.750	20.333
rs745136	SM C20:2	15	96899827	T/G	0.534	0.466	0.006	0.016	0.726	23.065
rs1346075	SM C20:2	4	68028922	T/G	0.542	0.458	0.005	0.015	0.709	20.095
rs281219	SM C20:2	15	47711652	A/G	0.792	0.208	0.005	0.018	0.761	36.335
rs587806	SM C20:2	11	119882908	T/C	0.882	0.119	0.005	0.022	0.815	21.792
rs13322059	SM C20:2	3	156310778	A/C	0.248	0.248	0.005	0.019	0.801	19.317
rs11692083	SM C20:2	2	59212187	G/A	0.567	0.433	0.004	0.015	0.761	35.281
rs72913870	SM C20:2	3	89047588	G/A	0.111	0.111	0.004	0.023	0.877	33.155
rs10986931	SM C20:2	9	128564209	C/T	0.582	0.418	0.003	0.014	0.827	21.068
rs72880354	SM C20:2	1	28683713	G/A	0.311	0.311	0.003	0.015	0.839	19.834
rs77403093	SM C20:2	17	57220124	C/T	0.311	0.311	0.003	0.016	0.850	20.304
rs2037711	SM C20:2	13	85476417	C/A	0.319	0.319	0.002	0.015	0.881	19.835
rs2117028	SM C20:2	12	49480948	G/A	0.436	0.436	0.002	0.015	0.884	26.102
rs13012149	SM C20:2	2	122611171	G/A	0.593	0.407	0.002	0.015	0.913	20.169
rs2292239	SM C20:2	12	56482180	T/G	0.662	0.338	0.002	0.015	0.917	29.926
rs16903000	SM C20:2	5	13995236	T/C	0.297	0.297	0.001	0.016	0.976	23.843

rs4883913	SM C20:2	13	73145459	T/C	0.389	0.389	0.001	0.015	0.971	20.076
rs76157199	SM C20:2	2	98541874	A/G	0.036	0.036	0.000	0.038	0.999	20.162
rs6882046	SM C20:2	5	87968864	A/G	0.271	0.271	-0.001	0.016	0.965	44.873
rs2694633	SM C20:2	2	61540642	A/C	0.682	0.318	-0.001	0.015	0.957	24.389
rs10168768	SM C20:2	2	137484713	G/T	0.592	0.408	-0.001	0.015	0.938	23.198
rs587978	SM C20:2	11	105801770	C/T	0.469	0.469	-0.001	0.014	0.925	24.834
rs9847830	SM C20:2	3	100861030	A/C	0.173	0.173	-0.002	0.020	0.915	19.773
rs9422753	SM C20:2	10	126960137	T/C	0.197	0.197	-0.002	0.018	0.896	28.369
rs112060520	SM C20:2	3	117671421	G/T	0.296	0.296	-0.003	0.016	0.873	22.751
rs2959495	SM C20:2	18	62113144	C/A	0.464	0.464	-0.003	0.015	0.862	21.467
rs79416180	SM C20:2	7	136623471	C/T	0.094	0.094	-0.003	0.025	0.900	19.640
rs12629217	SM C20:2	3	143442254	C/T	0.193	0.193	-0.005	0.018	0.793	22.348
rs13053329	SM C20:2	22	31502732	A/G	0.492	0.492	-0.005	0.015	0.737	20.342
rs335352	SM C20:2	6	155623709	G/A	0.660	0.340	-0.005	0.015	0.724	21.453
rs2710627	SM C20:2	2	32758627	A/G	0.647	0.353	-0.006	0.015	0.713	24.046
rs898751	SM C20:2	17	2291863	C/T	0.489	0.489	-0.006	0.014	0.685	27.171
rs3999544	SM C20:2	6	26285867	C/T	0.549	0.451	-0.006	0.014	0.658	25.749
rs7921305	SM C20:2	10	133775196	G/A	0.253	0.253	-0.007	0.017	0.665	33.811
rs4698920	SM C20:2	4	105379055	G/A	0.654	0.346	-0.008	0.015	0.619	29.668
rs3785229	SM C20:2	16	7670999	A/G	0.544	0.456	-0.008	0.015	0.601	33.209
rs6014531	SM C20:2	20	54403893	C/T	0.645	0.355	-0.009	0.015	0.557	19.824
rs11652858	SM C20:2	17	46844996	C/T	0.321	0.321	-0.009	0.015	0.548	23.644
rs6978112	SM C20:2	7	1966841	C/T	0.405	0.405	-0.009	0.015	0.525	38.200
rs7939241	SM C20:2	11	114859696	A/G	0.783	0.217	-0.010	0.019	0.605	27.220
rs11018771	SM C20:2	11	89488562	T/C	0.364	0.364	-0.010	0.016	0.535	22.745
rs35069754	SM C20:2	5	2295044	A/G	0.126	0.126	-0.010	0.022	0.649	22.132
rs7626445	SM C20:2	3	49114544	C/T	0.652	0.348	-0.010	0.015	0.502	31.540
rs150534	SM C20:2	5	60503133	G/A	0.520	0.480	-0.010	0.014	0.473	31.772
rs2425052	SM C20:2	20	33880729	A/C	0.445	0.445	-0.010	0.014	0.481	25.907
rs7871511	SM C20:2	9	5555160	A/C	0.175	0.175	-0.010	0.019	0.587	20.800
rs12277713	SM C20:2	11	133528521	T/C	0.454	0.454	-0.011	0.015	0.467	22.492
rs62366395	SM C20:2	5	104370644	G/A	0.049	0.049	-0.011	0.034	0.744	21.288
rs150262359	SM C20:2	16	29006757	G/A	0.044	0.044	-0.013	0.036	0.721	21.395

rs60795232	SM C20:2	2	236680476	A/G	0.282	0.282	-0.015	0.016	0.356	29.572
rs4686704	SM C20:2	3	185579020	A/G	0.307	0.307	-0.015	0.016	0.341	22.345
rs6767669	SM C20:2	3	116599500	G/A	0.266	0.266	-0.016	0.017	0.355	26.575
rs4762172	SM C20:2	12	95493912	T/C	0.086	0.086	-0.018	0.026	0.476	24.668
rs112423942	SM C20:2	4	189790022	C/T	0.043	0.043	-0.019	0.035	0.598	21.867
rs2471325	SM C20:2	4	3024044	C/T	0.322	0.322	-0.019	0.015	0.227	28.131
rs739848	SM C20:2	19	18809314	C/T	0.187	0.187	-0.019	0.019	0.302	24.970
rs2121884	SM C20:2	9	114638982	A/C	0.621	0.379	-0.020	0.015	0.177	20.552
rs11681451	SM C20:2	2	225334104	T/C	0.323	0.323	-0.021	0.015	0.169	29.493
rs1421085	SM C20:2	16	53800954	T/C	0.405	0.405	-0.021	0.014	0.143	84.782
rs13248299	SM C20:2	8	106306761	C/T	0.550	0.450	-0.022	0.015	0.124	20.653
rs6430204	SM C20:2	2	148343718	C/T	0.462	0.462	-0.023	0.015	0.131	27.909
rs12756240	SM C20:2	1	238433595	T/C	0.271	0.271	-0.024	0.016	0.139	20.827
rs2660338	SM C20:2	4	41982707	A/C	0.853	0.147	-0.025	0.020	0.225	25.956
rs117764493	SM C20:2	13	102131922	T/G	0.026	0.026	-0.028	0.046	0.550	20.480
rs12137549	SM C20:2	1	190872114	T/C	0.362	0.362	-0.030	0.015	0.042	20.463
rs7784688	SM C20:2	7	32966042	T/C	0.644	0.356	-0.030	0.015	0.043	20.112
rs4655090	SM C20:2	1	23011945	C/T	0.242	0.242	-0.031	0.018	0.078	21.955
rs552334	SM C20:2	11	95595694	T/C	0.532	0.468	-0.033	0.014	0.022	30.927
rs961936	SM C20:2	11	29778265	A/G	0.426	0.426	-0.034	0.014	0.019	20.706
rs76176628	SM C20:2	19	36345767	T/C	0.051	0.051	-0.034	0.034	0.307	27.617
rs13147599	SM C20:2	4	93784286	A/G	0.068	0.068	-0.038	0.029	0.188	21.293
rs34330406	SM C20:2	2	180803486	C/T	0.017	0.017	-0.039	0.062	0.533	22.477
rs72734517	SM C20:2	15	76101535	C/T	0.031	0.031	-0.039	0.042	0.356	19.561
rs9352784	SM C20:2	6	80604130	G/A	0.112	0.112	-0.039	0.023	0.087	20.774
rs696815	SM C20:2	2	198688084	A/C	0.649	0.351	-0.039	0.015	0.010	24.826
rs114621346	SM C20:2	1	159171474	G/A	0.017	0.017	-0.043	0.058	0.458	22.680
rs16890052	SM C20:2	6	79184742	T/C	0.172	0.172	-0.045	0.019	0.019	20.464
rs35164264	SM C20:2	17	41150021	A/G	0.075	0.075	-0.048	0.028	0.084	22.391
rs115005266	SM C20:2	6	24249780	C/T	0.022	0.022	-0.049	0.049	0.325	19.475
rs150978694	SM C20:2	16	26515201	C/T	0.028	0.028	-0.125	0.044	0.005	21.246
rs114621346	SM C24:0	1	159171474	G/A	0.017	0.017	0.097	0.059	0.097	22.680
rs79958999	SM C24:0	13	40758670	G/A	0.014	0.014	0.095	0.072	0.191	24.095

rs151150389	SM C24:0	8	28897171	T/C	0.039	0.039	0.062	0.037	0.099	24.179
rs2631024	SM C24:0	8	91995577	A/G	0.742	0.258	0.053	0.017	0.002	26.091
rs117794620	SM C24:0	17	28991182	A/G	0.023	0.023	0.051	0.056	0.361	23.071
rs76176628	SM C24:0	19	36345767	T/C	0.050	0.050	0.049	0.034	0.149	27.617
rs10977243	SM C24:0	9	8672042	A/G	0.089	0.089	0.046	0.026	0.078	19.735
rs4791393	SM C24:0	17	7822466	C/T	0.040	0.040	0.041	0.039	0.296	20.255
rs115005266	SM C24:0	6	24249780	C/T	0.022	0.022	0.039	0.050	0.442	19.475
rs117875805	SM C24:0	7	53786445	T/C	0.023	0.023	0.036	0.050	0.476	21.403
rs2694633	SM C24:0	2	61540642	A/C	0.681	0.319	0.033	0.016	0.033	24.389
rs12434775	SM C24:0	14	69524809	G/A	0.331	0.331	0.030	0.015	0.048	22.177
rs1557341	SM C24:0	18	35127427	A/C	0.651	0.349	0.026	0.016	0.089	22.613
rs4762172	SM C24:0	12	95493912	T/C	0.086	0.086	0.025	0.026	0.345	24.668
rs10889706	SM C24:0	1	41350787	A/C	0.303	0.303	0.021	0.016	0.192	24.317
rs11641525	SM C24:0	16	89691310	G/A	0.046	0.046	0.020	0.036	0.575	24.345
rs35287743	SM C24:0	12	110057250	G/T	0.101	0.101	0.020	0.026	0.434	32.211
rs11128045	SM C24:0	3	88498034	T/C	0.389	0.389	0.018	0.015	0.237	20.977
rs139954992	SM C24:0	22	50992048	G/A	0.025	0.025	0.017	0.051	0.740	19.970
rs6780833	SM C24:0	3	137067993	G/A	0.391	0.391	0.017	0.015	0.263	29.645
rs10253861	SM C24:0	7	8110475	G/A	0.554	0.446	0.016	0.015	0.288	27.117
rs7871511	SM C24:0	9	5555160	A/C	0.175	0.175	0.015	0.020	0.431	20.800
rs880597	SM C24:0	9	102168293	C/T	0.331	0.331	0.014	0.016	0.354	24.234
rs281219	SM C24:0	15	47711652	A/G	0.792	0.208	0.014	0.018	0.436	36.335
rs6767669	SM C24:0	3	116599500	G/A	0.266	0.266	0.014	0.017	0.415	26.575
rs12629217	SM C24:0	3	143442254	C/T	0.194	0.194	0.013	0.019	0.473	22.348
rs1788823	SM C24:0	18	21114917	A/G	0.654	0.346	0.013	0.015	0.394	33.261
rs11681451	SM C24:0	2	225334104	T/C	0.323	0.323	0.013	0.015	0.406	29.493
rs1472157	SM C24:0	9	81788743	T/C	0.626	0.374	0.012	0.015	0.411	26.452
rs4698920	SM C24:0	4	105379055	G/A	0.654	0.346	0.012	0.015	0.452	29.668
rs8008842	SM C24:0	14	41300060	A/G	0.460	0.460	0.011	0.015	0.446	21.593
rs9352784	SM C24:0	6	80604130	G/A	0.112	0.112	0.011	0.023	0.642	20.774
rs6430204	SM C24:0	2	148343718	C/T	0.462	0.462	0.011	0.015	0.484	27.909
rs72880354	SM C24:0	1	28683713	G/A	0.310	0.310	0.010	0.016	0.522	19.834
rs150262359	SM C24:0	16	29006757	G/A	0.044	0.044	0.010	0.037	0.796	21.395

rs77403093	SM C24:0	17	57220124	C/T	0.311	0.311	0.010	0.016	0.541	20.304
rs2491244	SM C24:0	13	28599914	G/A	0.578	0.422	0.009	0.015	0.523	28.163
rs35069754	SM C24:0	5	2295044	A/G	0.126	0.126	0.009	0.022	0.676	22.132
rs11652858	SM C24:0	17	46844996	C/T	0.321	0.321	0.009	0.016	0.558	23.644
rs9847830	SM C24:0	3	100861030	A/C	0.173	0.173	0.009	0.020	0.666	19.773
rs35996140	SM C24:0	3	68521478	C/A	0.205	0.205	0.009	0.018	0.639	20.333
rs76157199	SM C24:0	2	98541874	A/G	0.036	0.036	0.009	0.039	0.827	20.162
rs1308512	SM C24:0	9	87279298	A/G	0.790	0.210	0.008	0.018	0.648	26.174
rs10986931	SM C24:0	9	128564209	C/T	0.582	0.418	0.007	0.015	0.659	21.068
rs2037711	SM C24:0	13	85476417	C/A	0.319	0.319	0.007	0.016	0.679	19.835
rs9264979	SM C24:0	6	31279908	G/A	0.586	0.414	0.006	0.015	0.671	27.903
rs9422753	SM C24:0	10	126960137	T/C	0.197	0.197	0.006	0.018	0.766	28.369
rs11102404	SM C24:0	1	112721915	G/A	0.653	0.347	0.005	0.015	0.735	30.153
rs66922415	SM C24:0	18	57848651	A/G	0.241	0.241	0.005	0.017	0.764	40.296
rs6978112	SM C24:0	7	1966841	C/T	0.405	0.405	0.005	0.015	0.729	38.200
rs587806	SM C24:0	11	119882908	T/C	0.882	0.119	0.004	0.023	0.873	21.792
rs13248299	SM C24:0	8	106306761	C/T	0.550	0.450	0.004	0.015	0.814	20.653
rs1039720	SM C24:0	18	73758482	G/A	0.793	0.207	0.003	0.018	0.862	24.402
rs13322059	SM C24:0	3	156310778	A/C	0.248	0.248	0.003	0.019	0.889	19.317
rs16890052	SM C24:0	6	79184742	T/C	0.172	0.172	0.002	0.019	0.915	20.464
rs13064450	SM C24:0	3	21077708	G/A	0.471	0.471	0.002	0.015	0.902	25.194
rs3999544	SM C24:0	6	26285867	C/T	0.549	0.451	0.002	0.015	0.899	25.749
rs7921305	SM C24:0	10	133775196	G/A	0.254	0.254	0.001	0.017	0.937	33.811
rs6882046	SM C24:0	5	87968864	A/G	0.271	0.271	0.001	0.017	0.956	44.873
rs2959495	SM C24:0	18	62113144	C/A	0.464	0.464	0.001	0.015	0.967	21.467
rs9597573	SM C24:0	13	58110178	T/C	0.442	0.442	0.000	0.015	0.982	20.845
rs1421085	SM C24:0	16	53800954	T/C	0.405	0.405	0.000	0.015	0.995	84.782
rs13012149	SM C24:0	2	122611171	G/A	0.593	0.407	-0.001	0.015	0.954	20.169
rs335352	SM C24:0	6	155623709	G/A	0.660	0.341	-0.001	0.015	0.950	21.453
rs4407278	SM C24:0	2	648607	C/T	0.773	0.227	-0.001	0.019	0.955	28.999
rs4883913	SM C24:0	13	73145459	T/C	0.389	0.389	-0.002	0.015	0.909	20.076
rs2117028	SM C24:0	12	49480948	G/A	0.436	0.436	-0.002	0.016	0.904	26.102
rs61817482	SM C24:0	1	204570347	G/A	0.201	0.201	-0.003	0.018	0.886	25.528

rs2425052	SM C24:0	20	33880729	A/C	0.445	0.445	-0.003	0.015	0.856	25.907
rs7626445	SM C24:0	3	49114544	C/T	0.652	0.348	-0.003	0.015	0.835	31.540
rs11251692	SM C24:0	10	364707	C/T	0.130	0.130	-0.005	0.022	0.837	21.753
rs1819982	SM C24:0	5	168614172	C/A	0.533	0.467	-0.005	0.015	0.757	20.776
rs1346075	SM C24:0	4	68028922	T/G	0.543	0.457	-0.005	0.015	0.742	20.095
rs12137549	SM C24:0	1	190872114	T/C	0.362	0.362	-0.006	0.015	0.718	20.463
rs2915124	SM C24:0	1	68688538	A/G	0.219	0.219	-0.006	0.018	0.752	27.393
rs4655090	SM C24:0	1	23011945	C/T	0.242	0.242	-0.006	0.018	0.745	21.955
rs587978	SM C24:0	11	105801770	C/T	0.468	0.468	-0.006	0.015	0.661	24.834
rs10168768	SM C24:0	2	137484713	G/T	0.592	0.408	-0.007	0.015	0.659	23.198
rs11227478	SM C24:0	11	66173400	G/A	0.210	0.210	-0.007	0.018	0.718	30.390
rs16903000	SM C24:0	5	13995236	T/C	0.298	0.298	-0.007	0.016	0.685	23.843
rs2710627	SM C24:0	2	32758627	A/G	0.648	0.352	-0.007	0.015	0.657	24.046
rs2471325	SM C24:0	4	3024044	C/T	0.322	0.322	-0.007	0.016	0.665	28.131
rs34118828	SM C24:0	15	27026260	G/A	0.354	0.354	-0.007	0.015	0.649	27.147
rs6014531	SM C24:0	20	54403893	C/T	0.645	0.355	-0.008	0.016	0.619	19.824
rs111650147	SM C24:0	1	95528581	T/C	0.032	0.032	-0.009	0.044	0.844	21.763
rs112060520	SM C24:0	3	117671421	G/T	0.296	0.296	-0.010	0.016	0.548	22.751
rs6057026	SM C24:0	20	9904213	G/A	0.754	0.246	-0.010	0.018	0.578	19.369
rs11018771	SM C24:0	11	89488562	T/C	0.364	0.364	-0.010	0.016	0.539	22.745
rs62525716	SM C24:0	8	130056308	C/T	0.141	0.141	-0.010	0.021	0.630	21.025
rs7562697	SM C24:0	2	181918896	A/G	0.681	0.319	-0.010	0.016	0.500	20.513
rs150534	SM C24:0	5	60503133	G/A	0.520	0.480	-0.012	0.015	0.406	31.772
rs739848	SM C24:0	19	18809314	C/T	0.187	0.187	-0.014	0.019	0.466	24.970
rs62366395	SM C24:0	5	104370644	G/A	0.049	0.049	-0.015	0.034	0.668	21.288
rs7784688	SM C24:0	7	32966042	T/C	0.644	0.356	-0.015	0.015	0.335	20.112
rs72843234	SM C24:0	2	134435162	T/C	0.024	0.024	-0.015	0.049	0.761	20.015
rs898751	SM C24:0	17	2291863	C/T	0.488	0.488	-0.016	0.015	0.286	27.171
rs60313989	SM C24:0	8	132075266	G/A	0.409	0.409	-0.016	0.015	0.290	19.319
rs696815	SM C24:0	2	198688084	A/C	0.649	0.352	-0.017	0.016	0.276	24.826
rs12277713	SM C24:0	11	133528521	T/C	0.454	0.454	-0.019	0.015	0.213	22.492
rs62180989	SM C24:0	2	191271244	C/T	0.322	0.322	-0.019	0.016	0.227	27.421
rs11692083	SM C24:0	2	59212187	G/A	0.567	0.433	-0.019	0.015	0.202	35.281

rs3795944	SM C24:0	2	23920545	A/G	0.549	0.452	-0.019	0.015	0.191	23.117
rs60795232	SM C24:0	2	236680476	A/G	0.282	0.282	-0.022	0.016	0.177	29.572
rs2292239	SM C24:0	12	56482180	T/G	0.663	0.338	-0.022	0.015	0.157	29.926
rs34130665	SM C24:0	2	215383374	C/T	0.481	0.481	-0.023	0.015	0.114	19.976
rs13053329	SM C24:0	22	31502732	A/G	0.492	0.492	-0.024	0.015	0.107	20.342
rs150978694	SM C24:0	16	26515201	C/T	0.028	0.028	-0.024	0.045	0.592	21.246
rs7939241	SM C24:0	11	114859696	A/G	0.783	0.217	-0.024	0.019	0.203	27.220
rs1061808	SM C24:0	6	32136547	T/G	0.633	0.367	-0.024	0.015	0.109	37.277
rs745136	SM C24:0	15	96899827	T/G	0.534	0.466	-0.025	0.016	0.125	23.065
rs961936	SM C24:0	11	29778265	A/G	0.426	0.426	-0.025	0.015	0.090	20.706
rs10865037	SM C24:0	2	100871361	T/C	0.389	0.389	-0.025	0.015	0.090	19.723
rs12756240	SM C24:0	1	238433595	T/C	0.271	0.271	-0.025	0.017	0.124	20.827
rs4686704	SM C24:0	3	185579020	A/G	0.307	0.307	-0.026	0.016	0.111	22.345
rs79416180	SM C24:0	7	136623471	C/T	0.094	0.094	-0.026	0.025	0.298	19.640
rs35164264	SM C24:0	17	41150021	A/G	0.075	0.075	-0.027	0.028	0.343	22.391
rs117764493	SM C24:0	13	102131922	T/G	0.026	0.026	-0.027	0.047	0.565	20.480
rs13147599	SM C24:0	4	93784286	A/G	0.068	0.068	-0.029	0.030	0.336	21.293
rs3785229	SM C24:0	16	7670999	A/G	0.544	0.456	-0.029	0.015	0.051	33.209
rs2417261	SM C24:0	12	13414139	T/G	0.896	0.104	-0.031	0.024	0.211	20.203
rs552334	SM C24:0	11	95595694	T/C	0.532	0.468	-0.033	0.015	0.025	30.927
rs72913870	SM C24:0	3	89047588	G/A	0.111	0.111	-0.038	0.024	0.104	33.155
rs11882956	SM C24:0	19	5900470	G/A	0.026	0.026	-0.040	0.049	0.423	21.213
rs2121884	SM C24:0	9	114638982	A/C	0.621	0.379	-0.040	0.015	0.008	20.552
rs2660338	SM C24:0	4	41982707	A/C	0.853	0.147	-0.040	0.021	0.055	25.956
rs34330406	SM C24:0	2	180803486	C/T	0.017	0.017	-0.049	0.063	0.436	22.477
rs72734517	SM C24:0	15	76101535	C/T	0.031	0.031	-0.071	0.043	0.097	19.561
rs112423942	SM C24:0	4	189790022	C/T	0.043	0.043	-0.084	0.036	0.019	21.867
rs117794620	lysoPC a C20:4	17	28991182	A/G	0.023	0.023	0.122	0.054	0.023	23.071
rs76176628	lysoPC a C20:4	19	36345767	T/C	0.050	0.050	0.080	0.033	0.014	27.617
rs72843234	lysoPC a C20:4	2	134435162	T/C	0.024	0.024	0.075	0.047	0.108	20.015
rs139954992	lysoPC a C20:4	22	50992048	G/A	0.025	0.025	0.065	0.049	0.184	19.970
rs114621346	lysoPC a C20:4	1	159171474	G/A	0.017	0.017	0.060	0.056	0.282	22.680
rs115005266	lysoPC a C20:4	6	24249780	C/T	0.022	0.022	0.059	0.048	0.221	19.475

rs34330406	lysoPC a C20:4	2	180803486	C/T	0.017	0.017	0.055	0.060	0.359	22.477
rs11251692	lysoPC a C20:4	10	364707	C/T	0.130	0.130	0.050	0.021	0.015	21.753
rs35069754	lysoPC a C20:4	5	2295044	A/G	0.126	0.126	0.038	0.021	0.073	22.132
rs587806	lysoPC a C20:4	11	119882908	T/C	0.882	0.119	0.038	0.021	0.073	21.792
rs4762172	lysoPC a C20:4	12	95493912	T/C	0.086	0.086	0.036	0.025	0.149	24.668
rs2915124	lysoPC a C20:4	1	68688538	A/G	0.219	0.219	0.035	0.017	0.038	27.393
rs34118828	lysoPC a C20:4	15	27026260	G/A	0.354	0.354	0.031	0.015	0.036	27.147
rs4655090	lysoPC a C20:4	1	23011945	C/T	0.242	0.242	0.029	0.017	0.086	21.955
rs10977243	lysoPC a C20:4	9	8672042	A/G	0.089	0.089	0.028	0.025	0.256	19.735
rs6882046	lysoPC a C20:4	5	87968864	A/G	0.271	0.271	0.027	0.016	0.088	44.873
rs9264979	lysoPC a C20:4	6	31279908	G/A	0.586	0.414	0.027	0.014	0.059	27.903
rs16890052	lysoPC a C20:4	6	79184742	T/C	0.172	0.172	0.026	0.019	0.156	20.464
rs72880354	lysoPC a C20:4	1	28683713	G/A	0.310	0.310	0.024	0.015	0.102	19.834
rs6430204	lysoPC a C20:4	2	148343718	C/T	0.462	0.462	0.024	0.015	0.100	27.909
rs76157199	lysoPC a C20:4	2	98541874	A/G	0.036	0.036	0.023	0.037	0.530	20.162
rs10253861	lysoPC a C20:4	7	8110475	G/A	0.554	0.446	0.023	0.014	0.100	27.117
rs2631024	lysoPC a C20:4	8	91995577	A/G	0.742	0.258	0.019	0.016	0.234	26.091
rs10865037	lysoPC a C20:4	2	100871361	T/C	0.389	0.389	0.018	0.014	0.199	19.723
rs16903000	lysoPC a C20:4	5	13995236	T/C	0.297	0.297	0.018	0.015	0.241	23.843
rs13012149	lysoPC a C20:4	2	122611171	G/A	0.593	0.407	0.017	0.014	0.244	20.169
rs11227478	lysoPC a C20:4	11	66173400	G/A	0.210	0.210	0.016	0.017	0.339	30.390
rs10986931	lysoPC a C20:4	9	128564209	C/T	0.582	0.418	0.016	0.014	0.254	21.068
rs150534	lysoPC a C20:4	5	60503133	G/A	0.520	0.480	0.015	0.014	0.284	31.772
rs11641525	lysoPC a C20:4	16	89691310	G/A	0.046	0.046	0.014	0.034	0.680	24.345
rs7921305	lysoPC a C20:4	10	133775196	G/A	0.254	0.254	0.013	0.016	0.425	33.811
rs6057026	lysoPC a C20:4	20	9904213	G/A	0.754	0.246	0.013	0.017	0.457	19.369
rs66922415	lysoPC a C20:4	18	57848651	A/G	0.241	0.241	0.012	0.016	0.446	40.296
rs696815	lysoPC a C20:4	2	198688084	A/C	0.649	0.351	0.011	0.015	0.454	24.826
rs8008842	lysoPC a C20:4	14	41300060	A/G	0.460	0.460	0.011	0.014	0.441	21.593
rs12629217	lysoPC a C20:4	3	143442254	C/T	0.194	0.194	0.011	0.018	0.553	22.348
rs117764493	lysoPC a C20:4	13	102131922	T/G	0.026	0.026	0.009	0.045	0.836	20.480
rs1061808	lysoPC a C20:4	6	32136547	T/G	0.633	0.367	0.009	0.015	0.528	37.277
rs281219	lysoPC a C20:4	15	47711652	A/G	0.792	0.208	0.009	0.017	0.609	36.335

rs4686704	lysoPC a C20:4	3	185579020	A/G	0.308	0.308	0.009	0.016	0.573	22.345
rs4791393	lysoPC a C20:4	17	7822466	C/T	0.040	0.040	0.009	0.037	0.815	20.255
rs13064450	lysoPC a C20:4	3	21077708	G/A	0.471	0.471	0.009	0.014	0.539	25.194
rs72913870	lysoPC a C20:4	3	89047588	G/A	0.111	0.111	0.008	0.023	0.712	33.155
rs35164264	lysoPC a C20:4	17	41150021	A/G	0.075	0.075	0.008	0.027	0.767	22.391
rs1788823	lysoPC a C20:4	18	21114917	A/G	0.654	0.346	0.008	0.015	0.597	33.261
rs13322059	lysoPC a C20:4	3	156310778	A/C	0.248	0.248	0.007	0.018	0.711	19.317
rs11692083	lysoPC a C20:4	2	59212187	G/A	0.567	0.433	0.006	0.014	0.652	35.281
rs745136	lysoPC a C20:4	15	96899827	T/G	0.534	0.466	0.006	0.015	0.674	23.065
rs2694633	lysoPC a C20:4	2	61540642	A/C	0.681	0.319	0.006	0.015	0.679	24.389
rs35996140	lysoPC a C20:4	3	68521478	C/A	0.205	0.205	0.006	0.017	0.737	20.333
rs60795232	lysoPC a C20:4	2	236680476	A/G	0.282	0.282	0.006	0.015	0.721	29.572
rs9847830	lysoPC a C20:4	3	100861030	A/C	0.173	0.173	0.005	0.019	0.780	19.773
rs1039720	lysoPC a C20:4	18	73758482	G/A	0.793	0.207	0.005	0.018	0.769	24.402
rs2491244	lysoPC a C20:4	13	28599914	G/A	0.578	0.422	0.005	0.014	0.724	28.163
rs1472157	lysoPC a C20:4	9	81788743	T/C	0.626	0.374	0.004	0.014	0.811	26.452
rs4883913	lysoPC a C20:4	13	73145459	T/C	0.389	0.389	0.003	0.015	0.817	20.076
rs11681451	lysoPC a C20:4	2	225334104	T/C	0.323	0.323	0.003	0.015	0.854	29.493
rs880597	lysoPC a C20:4	9	102168293	C/T	0.331	0.331	0.002	0.015	0.884	24.234
rs6014531	lysoPC a C20:4	20	54403893	C/T	0.645	0.355	0.002	0.015	0.898	19.824
rs3999544	lysoPC a C20:4	6	26285867	C/T	0.549	0.451	0.002	0.014	0.908	25.749
rs7939241	lysoPC a C20:4	11	114859696	A/G	0.783	0.217	0.002	0.018	0.931	27.220
rs2037711	lysoPC a C20:4	13	85476417	C/A	0.319	0.319	0.001	0.015	0.970	19.835
rs11128045	lysoPC a C20:4	3	88498034	T/C	0.389	0.389	0.000	0.015	0.988	20.977
rs2425052	lysoPC a C20:4	20	33880729	A/C	0.445	0.445	0.000	0.014	0.981	25.907
rs6780833	lysoPC a C20:4	3	137067993	G/A	0.391	0.391	0.000	0.014	0.976	29.645
rs61817482	lysoPC a C20:4	1	204570347	G/A	0.201	0.201	-0.001	0.018	0.964	25.528
rs10889706	lysoPC a C20:4	1	41350787	A/C	0.303	0.303	-0.001	0.016	0.936	24.317
rs11102404	lysoPC a C20:4	1	112721915	G/A	0.653	0.347	-0.001	0.015	0.929	30.153
rs60313989	lysoPC a C20:4	8	132075266	G/A	0.408	0.408	-0.003	0.014	0.843	19.319
rs335352	lysoPC a C20:4	6	155623709	G/A	0.660	0.340	-0.003	0.015	0.834	21.453
rs2471325	lysoPC a C20:4	4	3024044	C/T	0.322	0.322	-0.004	0.015	0.783	28.131
rs7562697	lysoPC a C20:4	2	181918896	A/G	0.681	0.319	-0.005	0.015	0.751	20.513

rs7871511	lysoPC a C20:4	9	5555160	A/C	0.175	0.175	-0.005	0.019	0.789	20.800
rs12434775	lysoPC a C20:4	14	69524809	G/A	0.331	0.331	-0.006	0.015	0.687	22.177
rs13053329	lysoPC a C20:4	22	31502732	A/G	0.492	0.492	-0.006	0.014	0.672	20.342
rs2121884	lysoPC a C20:4	9	114638982	A/C	0.621	0.379	-0.007	0.014	0.612	20.552
rs6767669	lysoPC a C20:4	3	116599500	G/A	0.266	0.266	-0.008	0.016	0.638	26.575
rs34130665	lysoPC a C20:4	2	215383374	C/T	0.481	0.481	-0.009	0.014	0.529	19.976
rs9597573	lysoPC a C20:4	13	58110178	T/C	0.442	0.442	-0.009	0.014	0.525	20.845
rs10168768	lysoPC a C20:4	2	137484713	G/T	0.592	0.408	-0.010	0.014	0.496	23.198
rs7626445	lysoPC a C20:4	3	49114544	C/T	0.652	0.348	-0.010	0.015	0.511	31.540
rs3785229	lysoPC a C20:4	16	7670999	A/G	0.544	0.456	-0.010	0.014	0.471	33.209
rs961936	lysoPC a C20:4	11	29778265	A/G	0.426	0.426	-0.010	0.014	0.453	20.706
rs11018771	lysoPC a C20:4	11	89488562	T/C	0.364	0.364	-0.011	0.015	0.452	22.745
rs77403093	lysoPC a C20:4	17	57220124	C/T	0.311	0.311	-0.012	0.015	0.439	20.304
rs1557341	lysoPC a C20:4	18	35127427	A/C	0.651	0.349	-0.012	0.015	0.426	22.613
rs552334	lysoPC a C20:4	11	95595694	T/C	0.532	0.468	-0.012	0.014	0.387	30.927
rs11652858	lysoPC a C20:4	17	46844996	C/T	0.321	0.321	-0.012	0.015	0.403	23.644
rs587978	lysoPC a C20:4	11	105801770	C/T	0.468	0.468	-0.013	0.014	0.366	24.834
rs2117028	lysoPC a C20:4	12	49480948	G/A	0.436	0.436	-0.013	0.015	0.394	26.102
rs1819982	lysoPC a C20:4	5	168614172	C/A	0.533	0.467	-0.013	0.014	0.360	20.776
rs13248299	lysoPC a C20:4	8	106306761	C/T	0.550	0.450	-0.013	0.014	0.359	20.653
rs1308512	lysoPC a C20:4	9	87279298	A/G	0.790	0.210	-0.013	0.017	0.442	26.174
rs112423942	lysoPC a C20:4	4	189790022	C/T	0.043	0.043	-0.013	0.034	0.698	21.867
rs1346075	lysoPC a C20:4	4	68028922	T/G	0.543	0.457	-0.013	0.014	0.342	20.095
rs12756240	lysoPC a C20:4	1	238433595	T/C	0.271	0.271	-0.014	0.016	0.384	20.827
rs6978112	lysoPC a C20:4	7	1966841	C/T	0.405	0.405	-0.014	0.014	0.324	38.200
rs62180989	lysoPC a C20:4	2	191271244	C/T	0.322	0.322	-0.014	0.015	0.343	27.421
rs151150389	lysoPC a C20:4	8	28897171	T/C	0.039	0.039	-0.014	0.036	0.685	24.179
rs2710627	lysoPC a C20:4	2	32758627	A/G	0.648	0.352	-0.015	0.015	0.289	24.046
rs898751	lysoPC a C20:4	17	2291863	C/T	0.488	0.488	-0.016	0.014	0.268	27.171
rs62525716	lysoPC a C20:4	8	130056308	C/T	0.141	0.141	-0.017	0.020	0.403	21.025
rs12137549	lysoPC a C20:4	1	190872114	T/C	0.362	0.362	-0.018	0.015	0.218	20.463
rs4407278	lysoPC a C20:4	2	648607	C/T	0.773	0.227	-0.018	0.018	0.306	28.999
rs12277713	lysoPC a C20:4	11	133528521	T/C	0.454	0.454	-0.019	0.014	0.189	22.492

rs4698920	lysoPC a C20:4	4	105379055	G/A	0.654	0.346	-0.019	0.015	0.198	29.668
rs112060520	lysoPC a C20:4	3	117671421	G/T	0.296	0.296	-0.022	0.015	0.156	22.751
rs2959495	lysoPC a C20:4	18	62113144	C/A	0.464	0.464	-0.024	0.014	0.096	21.467
rs2660338	lysoPC a C20:4	4	41982707	A/C	0.853	0.147	-0.024	0.020	0.229	25.956
rs2292239	lysoPC a C20:4	12	56482180	T/G	0.663	0.338	-0.025	0.015	0.092	29.926
rs3795944	lysoPC a C20:4	2	23920545	A/G	0.549	0.452	-0.027	0.014	0.049	23.117
rs9422753	lysoPC a C20:4	10	126960137	T/C	0.197	0.197	-0.028	0.018	0.113	28.369
rs2417261	lysoPC a C20:4	12	13414139	T/G	0.896	0.104	-0.028	0.023	0.223	20.203
rs9352784	lysoPC a C20:4	6	80604130	G/A	0.112	0.112	-0.028	0.022	0.204	20.774
rs7784688	lysoPC a C20:4	7	32966042	T/C	0.644	0.356	-0.030	0.015	0.042	20.112
rs111650147	lysoPC a C20:4	1	95528581	T/C	0.032	0.032	-0.031	0.042	0.453	21.763
rs150978694	lysoPC a C20:4	16	26515201	C/T	0.028	0.028	-0.032	0.043	0.466	21.246
rs35287743	lysoPC a C20:4	12	110057250	G/T	0.101	0.101	-0.032	0.024	0.187	32.211
rs62366395	lysoPC a C20:4	5	104370644	G/A	0.049	0.049	-0.035	0.033	0.288	21.288
rs739848	lysoPC a C20:4	19	18809314	C/T	0.187	0.187	-0.035	0.018	0.052	24.970
rs72734517	lysoPC a C20:4	15	76101535	C/T	0.031	0.031	-0.038	0.041	0.354	19.561
rs150262359	lysoPC a C20:4	16	29006757	G/A	0.044	0.044	-0.041	0.035	0.245	21.395
rs11882956	lysoPC a C20:4	19	5900470	G/A	0.026	0.026	-0.043	0.047	0.363	21.213
rs79416180	lysoPC a C20:4	7	136623471	C/T	0.094	0.094	-0.045	0.024	0.064	19.640
rs1421085	lysoPC a C20:4	16	53800954	T/C	0.405	0.405	-0.045	0.014	0.001	84.782
rs13147599	lysoPC a C20:4	4	93784286	A/G	0.068	0.068	-0.050	0.028	0.081	21.293
rs117875805	lysoPC a C20:4	7	53786445	T/C	0.023	0.023	-0.056	0.048	0.242	21.403
rs79958999	lysoPC a C20:4	13	40758670	G/A	0.014	0.014	-0.109	0.069	0.116	24.095
rs34330406	lysoPC a C26:0	2	180803486	C/T	0.017	0.017	0.141	0.064	0.027	22.477
rs76176628	lysoPC a C26:0	19	36345767	T/C	0.050	0.050	0.109	0.035	0.002	27.617
rs117794620	lysoPC a C26:0	17	28991182	A/G	0.023	0.023	0.098	0.057	0.083	23.071
rs114621346	lysoPC a C26:0	1	159171474	G/A	0.017	0.017	0.060	0.059	0.309	22.680
rs151150389	lysoPC a C26:0	8	28897171	T/C	0.039	0.039	0.041	0.038	0.271	24.179
rs1557341	lysoPC a C26:0	18	35127427	A/C	0.651	0.349	0.039	0.016	0.013	22.613
rs10253861	lysoPC a C26:0	7	8110475	G/A	0.554	0.446	0.038	0.015	0.011	27.117
rs35164264	lysoPC a C26:0	17	41150021	A/G	0.075	0.075	0.038	0.028	0.186	22.391
rs11692083	lysoPC a C26:0	2	59212187	G/A	0.567	0.433	0.030	0.015	0.047	35.281
rs117764493	lysoPC a C26:0	13	102131922	T/G	0.026	0.026	0.028	0.047	0.558	20.480

rs587806	lysoPC a C26:0	11	119882908	T/C	0.881	0.119	0.025	0.023	0.274	21.792
rs76157199	lysoPC a C26:0	2	98541874	A/G	0.036	0.036	0.025	0.039	0.526	20.162
rs62366395	lysoPC a C26:0	5	104370644	G/A	0.049	0.049	0.025	0.035	0.474	21.288
rs6780833	lysoPC a C26:0	3	137067993	G/A	0.391	0.391	0.023	0.015	0.128	29.645
rs66922415	lysoPC a C26:0	18	57848651	A/G	0.241	0.241	0.022	0.017	0.191	40.296
rs1472157	lysoPC a C26:0	9	81788743	T/C	0.626	0.374	0.021	0.015	0.163	26.452
rs4698920	lysoPC a C26:0	4	105379055	G/A	0.654	0.346	0.021	0.016	0.180	29.668
rs34118828	lysoPC a C26:0	15	27026260	G/A	0.354	0.354	0.021	0.015	0.175	27.147
rs4407278	lysoPC a C26:0	2	648607	C/T	0.773	0.227	0.020	0.019	0.281	28.999
rs6475017	lysoPC a C26:0	9	1631379	G/A	0.407	0.407	0.020	0.016	0.212	19.468
rs540906517	lysoPC a C26:0	8	2535593	T/C	0.073	0.073	0.020	0.032	0.529	20.482
rs10986931	lysoPC a C26:0	9	128564209	C/T	0.582	0.418	0.020	0.015	0.185	21.068
rs9847830	lysoPC a C26:0	3	100861030	A/C	0.173	0.173	0.020	0.020	0.327	19.773
rs77403093	lysoPC a C26:0	17	57220124	C/T	0.311	0.311	0.019	0.016	0.237	20.304
rs4762172	lysoPC a C26:0	12	95493912	T/C	0.086	0.086	0.019	0.027	0.482	24.668
rs1788823	lysoPC a C26:0	18	21114917	A/G	0.654	0.346	0.018	0.016	0.236	33.261
rs12434775	lysoPC a C26:0	14	69524809	G/A	0.331	0.331	0.017	0.015	0.263	22.177
rs10865037	lysoPC a C26:0	2	100871361	T/C	0.389	0.389	0.016	0.015	0.296	19.723
rs13012149	lysoPC a C26:0	2	122611171	G/A	0.593	0.407	0.016	0.015	0.300	20.169
rs1819982	lysoPC a C26:0	5	168614172	C/A	0.533	0.467	0.015	0.015	0.301	20.776
rs35996140	lysoPC a C26:0	3	68521478	C/A	0.205	0.205	0.015	0.018	0.406	20.333
rs10977243	lysoPC a C26:0	9	8672042	A/G	0.089	0.089	0.015	0.026	0.575	19.735
rs11128045	lysoPC a C26:0	3	88498034	T/C	0.389	0.389	0.014	0.016	0.355	20.977
rs745136	lysoPC a C26:0	15	96899827	T/G	0.534	0.466	0.012	0.016	0.443	23.065
rs898751	lysoPC a C26:0	17	2291863	C/T	0.488	0.488	0.011	0.015	0.441	27.171
rs60795232	lysoPC a C26:0	2	236680476	A/G	0.282	0.282	0.011	0.016	0.501	29.572
rs335352	lysoPC a C26:0	6	155623709	G/A	0.660	0.340	0.011	0.016	0.493	21.453
rs2915124	lysoPC a C26:0	1	68688538	A/G	0.219	0.219	0.010	0.018	0.576	27.393
rs61817482	lysoPC a C26:0	1	204570347	G/A	0.201	0.201	0.010	0.019	0.587	25.528
rs35069754	lysoPC a C26:0	5	2295044	A/G	0.126	0.126	0.010	0.023	0.667	22.132
rs6767669	lysoPC a C26:0	3	116599500	G/A	0.266	0.266	0.010	0.017	0.574	26.575
rs6978112	lysoPC a C26:0	7	1966841	C/T	0.405	0.405	0.010	0.015	0.521	38.200
rs6057026	lysoPC a C26:0	20	9904213	G/A	0.754	0.246	0.009	0.018	0.598	19.369

rs961936	lysoPC a C26:0	11	29778265	A/G	0.426	0.426	0.009	0.015	0.537	20.706
rs11102404	lysoPC a C26:0	1	112721915	G/A	0.653	0.347	0.009	0.015	0.564	30.153
rs11681451	lysoPC a C26:0	2	225334104	T/C	0.323	0.323	0.009	0.016	0.564	29.493
rs13053329	lysoPC a C26:0	22	31502732	A/G	0.492	0.492	0.009	0.015	0.551	20.342
rs13248299	lysoPC a C26:0	8	106306761	C/T	0.550	0.450	0.008	0.015	0.574	20.653
rs72880354	lysoPC a C26:0	1	28683713	G/A	0.310	0.310	0.008	0.016	0.608	19.834
rs6882046	lysoPC a C26:0	5	87968864	A/G	0.271	0.271	0.007	0.017	0.663	44.873
rs4655090	lysoPC a C26:0	1	23011945	C/T	0.242	0.242	0.007	0.018	0.695	21.955
rs7871511	lysoPC a C26:0	9	5555160	A/C	0.175	0.175	0.007	0.020	0.719	20.800
rs2631024	lysoPC a C26:0	8	91995577	A/G	0.742	0.258	0.007	0.017	0.679	26.091
rs150534	lysoPC a C26:0	5	60503133	G/A	0.520	0.480	0.007	0.015	0.643	31.772
rs2117028	lysoPC a C26:0	12	49480948	G/A	0.436	0.436	0.006	0.016	0.703	26.102
rs16903000	lysoPC a C26:0	5	13995236	T/C	0.297	0.297	0.006	0.016	0.725	23.843
rs9597573	lysoPC a C26:0	13	58110178	T/C	0.442	0.442	0.006	0.015	0.704	20.845
rs11251692	lysoPC a C26:0	10	364707	C/T	0.130	0.130	0.005	0.022	0.804	21.753
rs111650147	lysoPC a C26:0	1	95528581	T/C	0.032	0.032	0.005	0.044	0.906	21.763
rs8008842	lysoPC a C26:0	14	41300060	A/G	0.460	0.460	0.005	0.015	0.734	21.593
rs62525716	lysoPC a C26:0	8	130056308	C/T	0.141	0.141	0.004	0.021	0.835	21.025
rs11227478	lysoPC a C26:0	11	66173400	G/A	0.210	0.210	0.004	0.018	0.823	30.390
rs11018771	lysoPC a C26:0	11	89488562	T/C	0.364	0.364	0.004	0.016	0.812	22.745
rs1039720	lysoPC a C26:0	18	73758482	G/A	0.793	0.207	0.004	0.019	0.849	24.402
rs880597	lysoPC a C26:0	9	102168293	C/T	0.331	0.331	0.003	0.016	0.832	24.234
rs112060520	lysoPC a C26:0	3	117671421	G/T	0.296	0.296	0.003	0.016	0.853	22.751
rs60083575	lysoPC a C26:0	13	58453785	T/C	0.240	0.240	0.002	0.019	0.905	30.130
rs7784688	lysoPC a C26:0	7	32966042	T/C	0.644	0.356	0.001	0.015	0.959	20.112
rs2694633	lysoPC a C26:0	2	61540642	A/C	0.681	0.319	0.000	0.016	0.986	24.389
rs2491244	lysoPC a C26:0	13	28599914	G/A	0.578	0.422	0.000	0.015	0.996	28.163
rs587978	lysoPC a C26:0	11	105801770	C/T	0.468	0.468	0.000	0.015	0.983	24.834
rs13064450	lysoPC a C26:0	3	21077708	G/A	0.471	0.471	-0.001	0.015	0.936	25.194
rs7921305	lysoPC a C26:0	10	133775196	G/A	0.254	0.254	-0.002	0.017	0.895	33.811
rs12277713	lysoPC a C26:0	11	133528521	T/C	0.454	0.454	-0.002	0.015	0.871	22.492
rs150262359	lysoPC a C26:0	16	29006757	G/A	0.044	0.044	-0.003	0.037	0.942	21.395
rs10168768	lysoPC a C26:0	2	137484713	G/T	0.592	0.408	-0.003	0.015	0.851	23.198

rs117875805	lysoPC a C26:0	7	53786445	T/C	0.023	0.023	-0.003	0.051	0.952	21.403
rs7626445	lysoPC a C26:0	3	49114544	C/T	0.652	0.348	-0.004	0.015	0.804	31.540
rs9264979	lysoPC a C26:0	6	31279908	G/A	0.586	0.414	-0.004	0.015	0.798	27.903
rs11652858	lysoPC a C26:0	17	46844996	C/T	0.321	0.321	-0.004	0.016	0.795	23.644
rs7562697	lysoPC a C26:0	2	181918896	A/G	0.681	0.319	-0.004	0.016	0.777	20.513
rs3785229	lysoPC a C26:0	16	7670999	A/G	0.544	0.456	-0.005	0.015	0.763	33.209
rs12756240	lysoPC a C26:0	1	238433595	T/C	0.271	0.271	-0.005	0.017	0.765	20.827
rs9352784	lysoPC a C26:0	6	80604130	G/A	0.112	0.112	-0.005	0.024	0.829	20.774
rs7939241	lysoPC a C26:0	11	114859696	A/G	0.783	0.217	-0.005	0.019	0.785	27.220
rs4883913	lysoPC a C26:0	13	73145459	T/C	0.389	0.389	-0.006	0.015	0.721	20.076
rs2660338	lysoPC a C26:0	4	41982707	A/C	0.853	0.147	-0.006	0.021	0.791	25.956
rs1308512	lysoPC a C26:0	9	87279298	A/G	0.790	0.210	-0.006	0.018	0.753	26.174
rs9422753	lysoPC a C26:0	10	126960137	T/C	0.197	0.197	-0.007	0.019	0.725	28.369
rs10889706	lysoPC a C26:0	1	41350787	A/C	0.303	0.303	-0.007	0.017	0.654	24.317
rs2037711	lysoPC a C26:0	13	85476417	C/A	0.319	0.319	-0.008	0.016	0.639	19.835
rs2121884	lysoPC a C26:0	9	114638982	A/C	0.621	0.379	-0.009	0.015	0.565	20.552
rs35287743	lysoPC a C26:0	12	110057250	G/T	0.101	0.101	-0.009	0.026	0.734	32.211
rs13147599	lysoPC a C26:0	4	93784286	A/G	0.068	0.068	-0.009	0.030	0.755	21.293
rs60313989	lysoPC a C26:0	8	132075266	G/A	0.409	0.409	-0.009	0.015	0.534	19.319
rs2959495	lysoPC a C26:0	18	62113144	C/A	0.464	0.464	-0.009	0.015	0.529	21.467
rs72734517	lysoPC a C26:0	15	76101535	C/T	0.031	0.031	-0.010	0.043	0.820	19.561
rs2425052	lysoPC a C26:0	20	33880729	A/C	0.445	0.445	-0.011	0.015	0.460	25.907
rs1421085	lysoPC a C26:0	16	53800954	T/C	0.405	0.405	-0.011	0.015	0.450	84.782
rs6430204	lysoPC a C26:0	2	148343718	C/T	0.462	0.462	-0.011	0.015	0.460	27.909
rs16890052	lysoPC a C26:0	6	79184742	T/C	0.172	0.172	-0.012	0.020	0.557	20.464
rs12137549	lysoPC a C26:0	1	190872114	T/C	0.362	0.362	-0.012	0.015	0.447	20.463
rs35407417	lysoPC a C26:0	21	25486732	A/C	0.605	0.395	-0.013	0.016	0.402	20.024
rs552334	lysoPC a C26:0	11	95595694	T/C	0.532	0.468	-0.014	0.015	0.361	30.927
rs696815	lysoPC a C26:0	2	198688084	A/C	0.649	0.352	-0.016	0.016	0.325	24.826
rs739848	lysoPC a C26:0	19	18809314	C/T	0.187	0.187	-0.016	0.019	0.403	24.970
rs1061808	lysoPC a C26:0	6	32136547	T/G	0.633	0.367	-0.016	0.015	0.291	37.277
rs79416180	lysoPC a C26:0	7	136623471	C/T	0.094	0.094	-0.017	0.025	0.494	19.640
rs2471325	lysoPC a C26:0	4	3024044	C/T	0.322	0.322	-0.019	0.016	0.237	28.131

rs6014531	lysoPC a C26:0	20	54403893	C/T	0.645	0.355	-0.019	0.016	0.227	19.824
rs72843234	lysoPC a C26:0	2	134435162	T/C	0.024	0.024	-0.019	0.050	0.699	20.015
rs62180989	lysoPC a C26:0	2	191271244	C/T	0.322	0.322	-0.019	0.016	0.218	27.421
rs139954992	lysoPC a C26:0	22	50992048	G/A	0.025	0.025	-0.020	0.052	0.703	19.970
rs4686704	lysoPC a C26:0	3	185579020	A/G	0.308	0.308	-0.020	0.016	0.217	22.345
rs2417261	lysoPC a C26:0	12	13414139	T/G	0.896	0.104	-0.021	0.025	0.403	20.203
rs115005266	lysoPC a C26:0	6	24249780	C/T	0.022	0.022	-0.021	0.051	0.679	19.475
rs281219	lysoPC a C26:0	15	47711652	A/G	0.792	0.208	-0.021	0.018	0.250	36.335
rs34130665	lysoPC a C26:0	2	215383374	C/T	0.481	0.481	-0.023	0.015	0.125	19.976
rs3795944	lysoPC a C26:0	2	23920545	A/G	0.549	0.452	-0.023	0.015	0.124	23.117
rs13322059	lysoPC a C26:0	3	156310778	A/C	0.248	0.248	-0.023	0.019	0.233	19.317
rs12629217	lysoPC a C26:0	3	143442254	C/T	0.194	0.194	-0.023	0.019	0.219	22.348
rs2292239	lysoPC a C26:0	12	56482180	T/G	0.663	0.338	-0.023	0.016	0.134	29.926
rs2726259	lysoPC a C26:0	18	37198341	C/A	0.364	0.364	-0.024	0.016	0.139	30.409
rs1660954	lysoPC a C26:0	15	57189122	C/A	0.420	0.420	-0.024	0.016	0.126	19.394
rs2710627	lysoPC a C26:0	2	32758627	A/G	0.648	0.352	-0.025	0.015	0.103	24.046
rs11641525	lysoPC a C26:0	16	89691310	G/A	0.046	0.046	-0.026	0.036	0.477	24.345
rs370790808	lysoPC a C26:0	5	152146093	C/T	0.293	0.293	-0.027	0.017	0.120	22.246
rs72913870	lysoPC a C26:0	3	89047588	G/A	0.111	0.111	-0.027	0.024	0.259	33.155
rs548921575	lysoPC a C26:0	14	56911080	C/T	0.134	0.134	-0.029	0.026	0.265	22.361
rs3999544	lysoPC a C26:0	6	26285867	C/T	0.549	0.451	-0.029	0.015	0.045	25.749
rs11882956	lysoPC a C26:0	19	5900470	G/A	0.026	0.026	-0.030	0.050	0.549	21.213
rs1346075	lysoPC a C26:0	4	68028922	T/G	0.543	0.457	-0.030	0.015	0.046	20.095
rs79958999	lysoPC a C26:0	13	40758670	G/A	0.014	0.014	-0.035	0.073	0.636	24.095
rs150978694	lysoPC a C26:0	16	26515201	C/T	0.028	0.028	-0.040	0.046	0.383	21.246
rs112423942	lysoPC a C26:0	4	189790022	C/T	0.043	0.043	-0.055	0.036	0.130	21.867
rs4791393	lysoPC a C26:0	17	7822466	C/T	0.040	0.040	-0.055	0.039	0.161	20.255
rs80019665	lysoPC a C26:0	12	90992958	C/T	0.193	0.193	-0.073	0.023	0.001	23.485
rs34330406	lysoPC a C28:1	2	180803486	C/T	0.017	0.017	0.139	0.063	0.028	22.477
rs117794620	lysoPC a C28:1	17	28991182	A/G	0.023	0.023	0.119	0.057	0.036	23.071
rs76176628	lysoPC a C28:1	19	36345767	T/C	0.050	0.050	0.086	0.034	0.012	27.617
rs117764493	lysoPC a C28:1	13	102131922	T/G	0.026	0.026	0.085	0.047	0.071	20.480
rs114621346	lysoPC a C28:1	1	159171474	G/A	0.017	0.017	0.076	0.059	0.197	22.680

rs1472157	lysoPC a C28:1	9	81788743	T/C	0.626	0.374	0.045	0.015	0.003	26.452
rs76157199	lysoPC a C28:1	2	98541874	A/G	0.036	0.036	0.043	0.039	0.269	20.162
rs79958999	lysoPC a C28:1	13	40758670	G/A	0.014	0.014	0.037	0.073	0.607	24.095
rs10977243	lysoPC a C28:1	9	8672042	A/G	0.089	0.089	0.035	0.026	0.176	19.735
rs10253861	lysoPC a C28:1	7	8110475	G/A	0.554	0.446	0.031	0.015	0.037	27.117
rs66922415	lysoPC a C28:1	18	57848651	A/G	0.241	0.241	0.029	0.017	0.087	40.296
rs11251692	lysoPC a C28:1	10	364707	C/T	0.130	0.130	0.028	0.022	0.195	21.753
rs11692083	lysoPC a C28:1	2	59212187	G/A	0.567	0.433	0.028	0.015	0.062	35.281
rs35164264	lysoPC a C28:1	17	41150021	A/G	0.075	0.075	0.026	0.028	0.352	22.391
rs6780833	lysoPC a C28:1	3	137067993	G/A	0.391	0.391	0.026	0.015	0.083	29.645
rs11641525	lysoPC a C28:1	16	89691310	G/A	0.046	0.046	0.026	0.036	0.471	24.345
rs1557341	lysoPC a C28:1	18	35127427	A/C	0.651	0.349	0.024	0.016	0.125	22.613
rs9847830	lysoPC a C28:1	3	100861030	A/C	0.173	0.173	0.021	0.020	0.295	19.773
rs150534	lysoPC a C28:1	5	60503133	G/A	0.520	0.480	0.020	0.015	0.174	31.772
rs2915124	lysoPC a C28:1	1	68688538	A/G	0.219	0.219	0.020	0.018	0.275	27.393
rs587806	lysoPC a C28:1	11	119882908	T/C	0.881	0.119	0.019	0.023	0.392	21.792
rs60795232	lysoPC a C28:1	2	236680476	A/G	0.282	0.282	0.019	0.016	0.233	29.572
rs16903000	lysoPC a C28:1	5	13995236	T/C	0.297	0.297	0.019	0.016	0.235	23.843
rs62366395	lysoPC a C28:1	5	104370644	G/A	0.049	0.049	0.019	0.034	0.581	21.288
rs961936	lysoPC a C28:1	11	29778265	A/G	0.426	0.426	0.019	0.015	0.197	20.706
rs35996140	lysoPC a C28:1	3	68521478	C/A	0.205	0.205	0.019	0.018	0.299	20.333
rs77403093	lysoPC a C28:1	17	57220124	C/T	0.311	0.311	0.018	0.016	0.255	20.304
rs7626445	lysoPC a C28:1	3	49114544	C/T	0.652	0.348	0.018	0.015	0.242	31.540
rs11681451	lysoPC a C28:1	2	225334104	T/C	0.323	0.323	0.017	0.015	0.265	29.493
rs139954992	lysoPC a C28:1	22	50992048	G/A	0.025	0.025	0.017	0.052	0.742	19.970
rs12434775	lysoPC a C28:1	14	69524809	G/A	0.331	0.331	0.017	0.015	0.282	22.177
rs72880354	lysoPC a C28:1	1	28683713	G/A	0.310	0.310	0.016	0.016	0.314	19.834
rs11128045	lysoPC a C28:1	3	88498034	T/C	0.390	0.390	0.014	0.015	0.348	20.977
rs151150389	lysoPC a C28:1	8	28897171	T/C	0.039	0.039	0.014	0.037	0.699	24.179
rs13012149	lysoPC a C28:1	2	122611171	G/A	0.593	0.407	0.014	0.015	0.363	20.169
rs61817482	lysoPC a C28:1	1	204570347	G/A	0.201	0.201	0.012	0.018	0.504	25.528
rs880597	lysoPC a C28:1	9	102168293	C/T	0.331	0.331	0.012	0.016	0.458	24.234
rs4762172	lysoPC a C28:1	12	95493912	T/C	0.086	0.086	0.011	0.026	0.673	24.668

rs4698920	lysoPC a C28:1	4	105379055	G/A	0.654	0.346	0.011	0.016	0.492	29.668
rs2694633	lysoPC a C28:1	2	61540642	A/C	0.681	0.319	0.010	0.016	0.514	24.389
rs2631024	lysoPC a C28:1	8	91995577	A/G	0.742	0.258	0.009	0.017	0.588	26.091
rs6057026	lysoPC a C28:1	20	9904213	G/A	0.754	0.246	0.009	0.018	0.622	19.369
rs6882046	lysoPC a C28:1	5	87968864	A/G	0.271	0.271	0.008	0.017	0.616	44.873
rs10865037	lysoPC a C28:1	2	100871361	T/C	0.389	0.389	0.008	0.015	0.589	19.723
rs34118828	lysoPC a C28:1	15	27026260	G/A	0.354	0.354	0.008	0.015	0.619	27.147
rs1788823	lysoPC a C28:1	18	21114917	A/G	0.654	0.346	0.007	0.015	0.667	33.261
rs335352	lysoPC a C28:1	6	155623709	G/A	0.660	0.340	0.006	0.015	0.695	21.453
rs4407278	lysoPC a C28:1	2	648607	C/T	0.772	0.228	0.006	0.019	0.758	28.999
rs898751	lysoPC a C28:1	17	2291863	C/T	0.488	0.488	0.006	0.015	0.696	27.171
rs7562697	lysoPC a C28:1	2	181918896	A/G	0.681	0.319	0.005	0.016	0.747	20.513
rs2117028	lysoPC a C28:1	12	49480948	G/A	0.436	0.436	0.004	0.016	0.807	26.102
rs10986931	lysoPC a C28:1	9	128564209	C/T	0.582	0.418	0.004	0.015	0.804	21.068
rs7871511	lysoPC a C28:1	9	5555160	A/C	0.175	0.175	0.004	0.020	0.850	20.800
rs4655090	lysoPC a C28:1	1	23011945	C/T	0.242	0.242	0.003	0.018	0.876	21.955
rs4883913	lysoPC a C28:1	13	73145459	T/C	0.389	0.389	0.003	0.015	0.870	20.076
rs2425052	lysoPC a C28:1	20	33880729	A/C	0.445	0.445	0.002	0.015	0.909	25.907
rs2491244	lysoPC a C28:1	13	28599914	G/A	0.578	0.422	0.002	0.015	0.914	28.163
rs10889706	lysoPC a C28:1	1	41350787	A/C	0.303	0.303	0.001	0.016	0.944	24.317
rs11652858	lysoPC a C28:1	17	46844996	C/T	0.321	0.321	0.001	0.016	0.961	23.644
rs9264979	lysoPC a C28:1	6	31279908	G/A	0.586	0.414	0.001	0.015	0.961	27.903
rs587978	lysoPC a C28:1	11	105801770	C/T	0.468	0.468	0.000	0.015	0.978	24.834
rs35069754	lysoPC a C28:1	5	2295044	A/G	0.126	0.126	0.000	0.022	0.994	22.132
rs13053329	lysoPC a C28:1	22	31502732	A/G	0.492	0.492	0.000	0.015	0.997	20.342
rs13064450	lysoPC a C28:1	3	21077708	G/A	0.471	0.471	0.000	0.015	0.984	25.194
rs1308512	lysoPC a C28:1	9	87279298	A/G	0.790	0.210	-0.001	0.018	0.977	26.174
rs13248299	lysoPC a C28:1	8	106306761	C/T	0.550	0.450	-0.001	0.015	0.974	20.653
rs7921305	lysoPC a C28:1	10	133775196	G/A	0.253	0.253	-0.002	0.017	0.929	33.811
rs11227478	lysoPC a C28:1	11	66173400	G/A	0.210	0.210	-0.002	0.018	0.920	30.390
rs2471325	lysoPC a C28:1	4	3024044	C/T	0.322	0.322	-0.002	0.016	0.899	28.131
rs11102404	lysoPC a C28:1	1	112721915	G/A	0.653	0.347	-0.002	0.015	0.888	30.153
rs12277713	lysoPC a C28:1	11	133528521	T/C	0.454	0.454	-0.002	0.015	0.882	22.492

rs6978112	lysoPC a C28:1	7	1966841	C/T	0.405	0.405	-0.002	0.015	0.873	38.200
rs62525716	lysoPC a C28:1	8	130056308	C/T	0.141	0.141	-0.003	0.021	0.904	21.025
rs8008842	lysoPC a C28:1	14	41300060	A/G	0.460	0.460	-0.003	0.015	0.843	21.593
rs10168768	lysoPC a C28:1	2	137484713	G/T	0.592	0.408	-0.003	0.015	0.828	23.198
rs11018771	lysoPC a C28:1	11	89488562	T/C	0.364	0.364	-0.003	0.016	0.842	22.745
rs7784688	lysoPC a C28:1	7	32966042	T/C	0.644	0.356	-0.004	0.015	0.805	20.112
rs745136	lysoPC a C28:1	15	96899827	T/G	0.534	0.466	-0.004	0.016	0.806	23.065
rs1039720	lysoPC a C28:1	18	73758482	G/A	0.793	0.207	-0.004	0.018	0.821	24.402
rs12629217	lysoPC a C28:1	3	143442254	C/T	0.194	0.194	-0.004	0.019	0.811	22.348
rs281219	lysoPC a C28:1	15	47711652	A/G	0.792	0.208	-0.005	0.018	0.795	36.335
rs150262359	lysoPC a C28:1	16	29006757	G/A	0.044	0.044	-0.006	0.037	0.880	21.395
rs2037711	lysoPC a C28:1	13	85476417	C/A	0.319	0.319	-0.006	0.016	0.696	19.835
rs35287743	lysoPC a C28:1	12	110057250	G/T	0.101	0.101	-0.006	0.026	0.802	32.211
rs112060520	lysoPC a C28:1	3	117671421	G/T	0.296	0.296	-0.007	0.016	0.641	22.751
rs12137549	lysoPC a C28:1	1	190872114	T/C	0.362	0.362	-0.009	0.015	0.555	20.463
rs16890052	lysoPC a C28:1	6	79184742	T/C	0.172	0.172	-0.009	0.020	0.643	20.464
rs1421085	lysoPC a C28:1	16	53800954	T/C	0.405	0.405	-0.010	0.015	0.497	84.782
rs79416180	lysoPC a C28:1	7	136623471	C/T	0.094	0.094	-0.010	0.025	0.683	19.640
rs3785229	lysoPC a C28:1	16	7670999	A/G	0.544	0.456	-0.010	0.015	0.481	33.209
rs6767669	lysoPC a C28:1	3	116599500	G/A	0.266	0.266	-0.011	0.017	0.539	26.575
rs7939241	lysoPC a C28:1	11	114859696	A/G	0.783	0.217	-0.011	0.019	0.556	27.220
rs2710627	lysoPC a C28:1	2	32758627	A/G	0.648	0.352	-0.013	0.015	0.415	24.046
rs72843234	lysoPC a C28:1	2	134435162	T/C	0.024	0.024	-0.013	0.049	0.800	20.015
rs9597573	lysoPC a C28:1	13	58110178	T/C	0.442	0.442	-0.013	0.015	0.396	20.845
rs552334	lysoPC a C28:1	11	95595694	T/C	0.532	0.468	-0.013	0.015	0.376	30.927
rs9422753	lysoPC a C28:1	10	126960137	T/C	0.197	0.197	-0.013	0.019	0.478	28.369
rs3999544	lysoPC a C28:1	6	26285867	C/T	0.549	0.451	-0.013	0.015	0.364	25.749
rs60313989	lysoPC a C28:1	8	132075266	G/A	0.408	0.408	-0.014	0.015	0.364	19.319
rs6014531	lysoPC a C28:1	20	54403893	C/T	0.645	0.355	-0.014	0.016	0.367	19.824
rs6430204	lysoPC a C28:1	2	148343718	C/T	0.462	0.462	-0.014	0.015	0.359	27.909
rs1819982	lysoPC a C28:1	5	168614172	C/A	0.533	0.467	-0.015	0.015	0.312	20.776
rs9352784	lysoPC a C28:1	6	80604130	G/A	0.111	0.111	-0.015	0.023	0.509	20.774
rs2121884	lysoPC a C28:1	9	114638982	A/C	0.621	0.379	-0.016	0.015	0.303	20.552

rs2959495	lysoPC a C28:1	18	62113144	C/A	0.464	0.464	-0.016	0.015	0.291	21.467
rs1061808	lysoPC a C28:1	6	32136547	T/G	0.634	0.367	-0.017	0.015	0.271	37.277
rs112423942	lysoPC a C28:1	4	189790022	C/T	0.043	0.043	-0.018	0.036	0.619	21.867
rs2660338	lysoPC a C28:1	4	41982707	A/C	0.853	0.147	-0.019	0.021	0.375	25.956
rs3795944	lysoPC a C28:1	2	23920545	A/G	0.548	0.452	-0.019	0.015	0.185	23.117
rs696815	lysoPC a C28:1	2	198688084	A/C	0.649	0.351	-0.020	0.016	0.211	24.826
rs12756240	lysoPC a C28:1	1	238433595	T/C	0.271	0.271	-0.020	0.017	0.231	20.827
rs111650147	lysoPC a C28:1	1	95528581	T/C	0.032	0.032	-0.022	0.044	0.623	21.763
rs739848	lysoPC a C28:1	19	18809314	C/T	0.187	0.187	-0.023	0.019	0.227	24.970
rs1346075	lysoPC a C28:1	4	68028922	T/G	0.543	0.457	-0.025	0.015	0.097	20.095
rs72913870	lysoPC a C28:1	3	89047588	G/A	0.111	0.111	-0.025	0.024	0.298	33.155
rs13322059	lysoPC a C28:1	3	156310778	A/C	0.248	0.248	-0.027	0.019	0.155	19.317
rs62180989	lysoPC a C28:1	2	191271244	C/T	0.323	0.323	-0.028	0.016	0.072	27.421
rs34130665	lysoPC a C28:1	2	215383374	C/T	0.481	0.481	-0.030	0.015	0.041	19.976
rs115005266	lysoPC a C28:1	6	24249780	C/T	0.022	0.022	-0.032	0.051	0.532	19.475
rs2292239	lysoPC a C28:1	12	56482180	T/G	0.663	0.338	-0.033	0.016	0.036	29.926
rs117875805	lysoPC a C28:1	7	53786445	T/C	0.023	0.023	-0.033	0.050	0.508	21.403
rs2417261	lysoPC a C28:1	12	13414139	T/G	0.896	0.104	-0.036	0.024	0.141	20.203
rs4686704	lysoPC a C28:1	3	185579020	A/G	0.308	0.308	-0.037	0.016	0.023	22.345
rs11882956	lysoPC a C28:1	19	5900470	G/A	0.026	0.026	-0.045	0.050	0.361	21.213
rs13147599	lysoPC a C28:1	4	93784286	A/G	0.068	0.068	-0.046	0.030	0.121	21.293
rs72734517	lysoPC a C28:1	15	76101535	C/T	0.031	0.031	-0.051	0.043	0.241	19.561
rs4791393	lysoPC a C28:1	17	7822466	C/T	0.040	0.040	-0.058	0.039	0.137	20.255
rs150978694	lysoPC a C28:1	16	26515201	C/T	0.028	0.028	-0.069	0.045	0.130	21.246
rs72734517	met-c-856	15	76101535	C/T	0.962	0.038	0.061	0.036	0.092	19.561
rs10977243	met-c-856	9	8672042	A/G	0.935	0.065	0.044	0.026	0.090	19.735
rs62366395	met-c-856	5	104370644	G/A	0.959	0.041	0.035	0.033	0.290	21.288
rs34330406	met-c-856	2	180803486	C/T	0.984	0.016	0.030	0.055	0.582	22.477
rs117875805	met-c-856	7	53786445	T/C	0.952	0.048	0.030	0.031	0.336	21.403
rs4698920	met-c-856	4	105379055	G/A	0.382	0.382	0.028	0.013	0.030	29.668
rs4883913	met-c-856	13	73145459	T/C	0.579	0.421	0.028	0.012	0.026	20.076
rs2491244	met-c-856	13	28599914	G/A	0.424	0.424	0.027	0.013	0.035	28.163
rs2292239	met-c-856	12	56482180	T/G	0.297	0.297	0.025	0.014	0.066	29.926

rs11882956	met-c-856	19	5900470	G/A	0.960	0.040	0.021	0.034	0.532	21.213
rs587978	met-c-856	11	105801770	C/T	0.505	0.495	0.021	0.012	0.091	24.834
rs112423942	met-c-856	4	189790022	C/T	0.954	0.046	0.021	0.032	0.523	21.867
rs335352	met-c-856	6	155623709	G/A	0.346	0.346	0.020	0.013	0.121	21.453
rs9422753	met-c-856	10	126960137	T/C	0.774	0.226	0.019	0.016	0.214	28.369
rs79416180	met-c-856	7	136623471	C/T	0.881	0.119	0.018	0.019	0.335	19.640
rs4655090	met-c-856	1	23011945	C/T	0.749	0.251	0.018	0.015	0.223	21.955
rs1039720	met-c-856	18	73758482	G/A	0.208	0.208	0.017	0.015	0.271	24.402
rs3795944	met-c-856	2	23920545	A/G	0.442	0.442	0.016	0.012	0.181	23.117
rs7784688	met-c-856	7	32966042	T/C	0.446	0.446	0.016	0.012	0.192	20.112
rs60795232	met-c-856	2	236680476	A/G	0.727	0.273	0.015	0.014	0.269	29.572
rs2959495	met-c-856	18	62113144	C/A	0.504	0.496	0.014	0.012	0.259	21.467
rs4762172	met-c-856	12	95493912	T/C	0.932	0.068	0.013	0.024	0.593	24.668
rs2471325	met-c-856	4	3024044	C/T	0.618	0.382	0.013	0.013	0.320	28.131
rs10889706	met-c-856	1	41350787	A/C	0.631	0.369	0.013	0.013	0.339	24.317
rs35164264	met-c-856	17	41150021	A/G	0.957	0.043	0.012	0.037	0.740	22.391
rs2117028	met-c-856	12	49480948	G/A	0.478	0.478	0.012	0.013	0.367	26.102
rs150978694	met-c-856	16	26515201	C/T	0.983	0.017	0.012	0.050	0.808	21.246
rs961936	met-c-856	11	29778265	A/G	0.570	0.430	0.012	0.012	0.334	20.706
rs4791393	met-c-856	17	7822466	C/T	0.941	0.059	0.012	0.029	0.681	20.255
rs10986931	met-c-856	9	128564209	C/T	0.346	0.346	0.012	0.013	0.378	21.068
rs10865037	met-c-856	2	100871361	T/C	0.589	0.411	0.011	0.013	0.386	19.723
rs1308512	met-c-856	9	87279298	A/G	0.238	0.238	0.011	0.015	0.482	26.174
rs12137549	met-c-856	1	190872114	T/C	0.671	0.329	0.011	0.013	0.415	20.463
rs10253861	met-c-856	7	8110475	G/A	0.523	0.477	0.010	0.012	0.394	27.117
rs77403093	met-c-856	17	57220124	C/T	0.652	0.348	0.010	0.013	0.427	20.304
rs76157199	met-c-856	2	98541874	A/G	0.980	0.020	0.010	0.048	0.837	20.162
rs72843234	met-c-856	2	134435162	T/C	0.979	0.021	0.009	0.043	0.827	20.015
rs11227478	met-c-856	11	66173400	G/A	0.807	0.193	0.009	0.016	0.551	30.390
rs35287743	met-c-856	12	110057250	G/T	0.911	0.089	0.009	0.022	0.687	32.211
rs150534	met-c-856	5	60503133	G/A	0.478	0.478	0.008	0.012	0.496	31.772
rs13053329	met-c-856	22	31502732	A/G	0.577	0.423	0.008	0.012	0.523	20.342
rs7626445	met-c-856	3	49114544	C/T	0.334	0.334	0.008	0.013	0.555	31.540

rs11102404	met-c-856	1	112721915	G/A	0.331	0.331	0.008	0.013	0.563	30.153
rs1788823	met-c-856	18	21114917	A/G	0.350	0.350	0.007	0.013	0.564	33.261
rs1557341	met-c-856	18	35127427	A/C	0.281	0.281	0.007	0.014	0.637	22.613
rs2915124	met-c-856	1	68688538	A/G	0.680	0.320	0.006	0.013	0.624	27.393
rs1472157	met-c-856	9	81788743	T/C	0.327	0.327	0.006	0.013	0.652	26.452
rs11652858	met-c-856	17	46844996	C/T	0.698	0.302	0.006	0.013	0.670	23.644
rs151150389	met-c-856	8	28897171	T/C	0.975	0.025	0.005	0.040	0.890	24.179
rs34118828	met-c-856	15	27026260	G/A	0.616	0.384	0.005	0.013	0.678	27.147
rs2660338	met-c-856	4	41982707	A/C	0.191	0.191	0.004	0.017	0.797	25.956
rs7871511	met-c-856	9	5555160	A/C	0.839	0.161	0.004	0.017	0.828	20.800
rs62180989	met-c-856	2	191271244	C/T	0.651	0.349	0.003	0.013	0.793	27.421
rs3999544	met-c-856	6	26285867	C/T	0.354	0.354	0.003	0.013	0.836	25.749
rs3785229	met-c-856	16	7670999	A/G	0.433	0.433	0.002	0.012	0.848	33.209
rs7562697	met-c-856	2	181918896	A/G	0.256	0.256	0.001	0.014	0.915	20.513
rs7939241	met-c-856	11	114859696	A/G	0.207	0.207	0.001	0.015	0.930	27.220
rs2121884	met-c-856	9	114638982	A/C	0.297	0.297	0.001	0.013	0.950	20.552
rs16903000	met-c-856	5	13995236	T/C	0.686	0.314	0.001	0.013	0.957	23.843
rs8008842	met-c-856	14	41300060	A/G	0.550	0.450	0.000	0.013	0.971	21.593
rs6767669	met-c-856	3	116599500	G/A	0.802	0.198	0.000	0.016	0.990	26.575
rs6978112	met-c-856	7	1966841	C/T	0.611	0.389	0.000	0.013	0.988	38.200
rs9847830	met-c-856	3	100861030	A/C	0.869	0.131	0.000	0.018	0.999	19.773
rs880597	met-c-856	9	102168293	C/T	0.758	0.242	0.000	0.014	0.979	24.234
rs12434775	met-c-856	14	69524809	G/A	0.669	0.331	0.000	0.013	0.974	22.177
rs13064450	met-c-856	3	21077708	G/A	0.617	0.383	0.000	0.013	0.972	25.194
rs2631024	met-c-856	8	91995577	A/G	0.309	0.309	0.000	0.013	0.973	26.091
rs35996140	met-c-856	3	68521478	C/A	0.758	0.242	-0.001	0.014	0.927	20.333
rs10168768	met-c-856	2	137484713	G/T	0.447	0.447	-0.001	0.012	0.913	23.198
rs139954992	met-c-856	22	50992048	G/A	0.968	0.032	-0.002	0.039	0.969	19.970
rs12756240	met-c-856	1	238433595	T/C	0.644	0.356	-0.002	0.013	0.889	20.827
rs13248299	met-c-856	8	106306761	C/T	0.479	0.479	-0.002	0.012	0.866	20.653
rs552334	met-c-856	11	95595694	T/C	0.484	0.484	-0.002	0.013	0.868	30.927
rs6057026	met-c-856	20	9904213	G/A	0.207	0.207	-0.002	0.015	0.886	19.369
rs11251692	met-c-856	10	364707	C/T	0.874	0.126	-0.002	0.019	0.898	21.753

rs34130665	met-c-856	2	215383374	C/T	0.584	0.416	-0.003	0.013	0.834	19.976
rs898751	met-c-856	17	2291863	C/T	0.465	0.465	-0.003	0.013	0.818	27.171
rs13322059	met-c-856	3	156310778	A/C	0.699	0.301	-0.003	0.014	0.831	19.317
rs739848	met-c-856	19	18809314	C/T	0.811	0.189	-0.004	0.016	0.812	24.970
rs4407278	met-c-856	2	648607	C/T	0.331	0.331	-0.004	0.015	0.772	28.999
rs1346075	met-c-856	4	68028922	T/G	0.545	0.455	-0.005	0.012	0.713	20.095
rs150262359	met-c-856	16	29006757	G/A	0.935	0.065	-0.005	0.030	0.880	21.395
rs7921305	met-c-856	10	133775196	G/A	0.767	0.233	-0.005	0.016	0.732	33.811
rs587806	met-c-856	11	119882908	T/C	0.102	0.102	-0.006	0.021	0.793	21.792
rs696815	met-c-856	2	198688084	A/C	0.335	0.335	-0.007	0.013	0.587	24.826
rs112060520	met-c-856	3	117671421	G/T	0.799	0.201	-0.008	0.015	0.600	22.751
rs6882046	met-c-856	5	87968864	A/G	0.809	0.191	-0.008	0.016	0.596	44.873
rs11128045	met-c-856	3	88498034	T/C	0.568	0.432	-0.009	0.012	0.476	20.977
rs72913870	met-c-856	3	89047588	G/A	0.920	0.080	-0.010	0.024	0.682	33.155
rs16890052	met-c-856	6	79184742	T/C	0.848	0.152	-0.011	0.017	0.526	20.464
rs66922415	met-c-856	18	57848651	A/G	0.811	0.189	-0.011	0.016	0.478	40.296
rs60313989	met-c-856	8	132075266	G/A	0.609	0.391	-0.012	0.013	0.376	19.319
rs114621346	met-c-856	1	159171474	G/A	0.982	0.018	-0.012	0.049	0.809	22.680
rs1421085	met-c-856	16	53800954	T/C	0.585	0.415	-0.012	0.012	0.339	84.782
rs9352784	met-c-856	6	80604130	G/A	0.885	0.115	-0.012	0.019	0.536	20.774
rs62525716	met-c-856	8	130056308	C/T	0.921	0.079	-0.012	0.023	0.599	21.025
rs2710627	met-c-856	2	32758627	A/G	0.341	0.341	-0.013	0.013	0.333	24.046
rs9597573	met-c-856	13	58110178	T/C	0.605	0.395	-0.013	0.013	0.294	20.845
rs13012149	met-c-856	2	122611171	G/A	0.442	0.442	-0.013	0.013	0.291	20.169
rs281219	met-c-856	15	47711652	A/G	0.229	0.229	-0.014	0.015	0.353	36.335
rs745136	met-c-856	15	96899827	T/G	0.430	0.430	-0.014	0.013	0.286	23.065
rs12629217	met-c-856	3	143442254	C/T	0.725	0.275	-0.014	0.014	0.331	22.348
rs6430204	met-c-856	2	148343718	C/T	0.577	0.423	-0.014	0.013	0.290	27.909
rs12277713	met-c-856	11	133528521	T/C	0.465	0.465	-0.015	0.013	0.242	22.492
rs2037711	met-c-856	13	85476417	C/A	0.660	0.340	-0.016	0.013	0.225	19.835
rs35069754	met-c-856	5	2295044	A/G	0.866	0.134	-0.016	0.018	0.387	22.132
rs72880354	met-c-856	1	28683713	G/A	0.654	0.346	-0.016	0.013	0.219	19.834
rs11681451	met-c-856	2	225334104	T/C	0.692	0.308	-0.017	0.013	0.202	29.493

rs76176628	met-c-856	19	36345767	T/C	0.946	0.054	-0.017	0.032	0.586	27.617
rs2694633	met-c-856	2	61540642	A/C	0.361	0.361	-0.018	0.013	0.152	24.389
rs6780833	met-c-856	3	137067993	G/A	0.642	0.358	-0.018	0.013	0.153	29.645
rs1819982	met-c-856	5	168614172	C/A	0.514	0.486	-0.019	0.012	0.127	20.776
rs11641525	met-c-856	16	89691310	G/A	0.967	0.033	-0.020	0.046	0.660	24.345
rs61817482	met-c-856	1	204570347	G/A	0.770	0.230	-0.021	0.015	0.154	25.528
rs4686704	met-c-856	3	185579020	A/G	0.573	0.427	-0.022	0.013	0.087	22.345
rs11692083	met-c-856	2	59212187	G/A	0.448	0.448	-0.022	0.013	0.082	35.281
rs2425052	met-c-856	20	33880729	A/C	0.530	0.470	-0.026	0.013	0.045	25.907
rs2417261	met-c-856	12	13414139	T/G	0.163	0.163	-0.032	0.017	0.059	20.203
rs6014531	met-c-856	20	54403893	C/T	0.382	0.382	-0.033	0.013	0.010	19.824
rs11018771	met-c-856	11	89488562	T/C	0.714	0.286	-0.035	0.016	0.032	22.745
rs117764493	met-c-856	13	102131922	T/G	0.981	0.019	-0.051	0.050	0.311	20.480
rs13147599	met-c-856	4	93784286	A/G	0.962	0.038	-0.057	0.033	0.081	21.293
rs117794620	met-c-856	17	28991182	A/G	0.976	0.024	-0.067	0.048	0.169	23.071
rs115005266	met-c-856	6	24249780	C/T	0.992	0.008	-0.122	0.075	0.103	19.475
rs117764493	met-c-881	13	102131922	T/G	0.982	0.018	0.061	0.043	0.166	20.480
rs79958999	met-c-881	13	40758670	G/A	0.994	0.006	0.052	0.132	0.700	24.095
rs112423942	met-c-881	4	189790022	C/T	0.955	0.045	0.050	0.027	0.074	21.867
rs72843234	met-c-881	2	134435162	T/C	0.979	0.021	0.037	0.037	0.319	20.015
rs72734517	met-c-881	15	76101535	C/T	0.964	0.036	0.037	0.032	0.250	19.561
rs117875805	met-c-881	7	53786445	T/C	0.955	0.045	0.035	0.027	0.198	21.403
rs11251692	met-c-881	10	364707	C/T	0.875	0.125	0.032	0.016	0.050	21.753
rs11882956	met-c-881	19	5900470	G/A	0.958	0.042	0.029	0.027	0.297	21.213
rs4698920	met-c-881	4	105379055	G/A	0.385	0.385	0.026	0.011	0.014	29.668
rs1788823	met-c-881	18	21114917	A/G	0.345	0.345	0.025	0.011	0.023	33.261
rs4655090	met-c-881	1	23011945	C/T	0.751	0.249	0.024	0.012	0.057	21.955
rs76157199	met-c-881	2	98541874	A/G	0.981	0.019	0.022	0.041	0.591	20.162
rs79416180	met-c-881	7	136623471	C/T	0.878	0.122	0.021	0.016	0.196	19.640
rs961936	met-c-881	11	29778265	A/G	0.572	0.428	0.021	0.010	0.050	20.706
rs2491244	met-c-881	13	28599914	G/A	0.434	0.434	0.020	0.010	0.056	28.163
rs60795232	met-c-881	2	236680476	A/G	0.730	0.270	0.020	0.012	0.083	29.572
rs150262359	met-c-881	16	29006757	G/A	0.936	0.064	0.019	0.025	0.458	21.395

rs1308512	met-c-881	9	87279298	A/G	0.239	0.239	0.018	0.013	0.178	26.174
rs4762172	met-c-881	12	95493912	T/C	0.931	0.069	0.017	0.020	0.401	24.668
rs335352	met-c-881	6	155623709	G/A	0.342	0.342	0.017	0.011	0.128	21.453
rs10889706	met-c-881	1	41350787	A/C	0.637	0.363	0.017	0.011	0.133	24.317
rs2292239	met-c-881	12	56482180	T/G	0.296	0.296	0.016	0.011	0.163	29.926
rs552334	met-c-881	11	95595694	T/C	0.481	0.481	0.016	0.011	0.137	30.927
rs13053329	met-c-881	22	31502732	A/G	0.586	0.414	0.016	0.010	0.140	20.342
rs3795944	met-c-881	2	23920545	A/G	0.434	0.434	0.015	0.010	0.149	23.117
rs8008842	met-c-881	14	41300060	A/G	0.558	0.442	0.014	0.010	0.174	21.593
rs7921305	met-c-881	10	133775196	G/A	0.766	0.234	0.014	0.012	0.270	33.811
rs11227478	met-c-881	11	66173400	G/A	0.800	0.200	0.014	0.013	0.295	30.390
rs10253861	met-c-881	7	8110475	G/A	0.522	0.478	0.014	0.010	0.189	27.117
rs2660338	met-c-881	4	41982707	A/C	0.195	0.195	0.013	0.014	0.348	25.956
rs2471325	met-c-881	4	3024044	C/T	0.621	0.379	0.013	0.011	0.228	28.131
rs9422753	met-c-881	10	126960137	T/C	0.776	0.224	0.012	0.012	0.324	28.369
rs2117028	met-c-881	12	49480948	G/A	0.475	0.475	0.012	0.012	0.324	26.102
rs150534	met-c-881	5	60503133	G/A	0.481	0.481	0.012	0.010	0.244	31.772
rs2915124	met-c-881	1	68688538	A/G	0.683	0.317	0.011	0.011	0.324	27.393
rs11102404	met-c-881	1	112721915	G/A	0.335	0.335	0.010	0.011	0.357	30.153
rs7626445	met-c-881	3	49114544	C/T	0.333	0.333	0.010	0.011	0.384	31.540
rs3999544	met-c-881	6	26285867	C/T	0.359	0.359	0.009	0.011	0.404	25.749
rs9597573	met-c-881	13	58110178	T/C	0.599	0.401	0.009	0.010	0.419	20.845
rs2710627	met-c-881	2	32758627	A/G	0.352	0.352	0.008	0.011	0.482	24.046
rs1472157	met-c-881	9	81788743	T/C	0.331	0.331	0.008	0.011	0.499	26.452
rs13322059	met-c-881	3	156310778	A/C	0.702	0.298	0.007	0.012	0.545	19.317
rs34118828	met-c-881	15	27026260	G/A	0.615	0.385	0.007	0.011	0.501	27.147
rs7784688	met-c-881	7	32966042	T/C	0.439	0.439	0.007	0.010	0.493	20.112
rs35287743	met-c-881	12	110057250	G/T	0.903	0.097	0.007	0.018	0.692	32.211
rs62366395	met-c-881	5	104370644	G/A	0.958	0.042	0.007	0.027	0.797	21.288
rs12137549	met-c-881	1	190872114	T/C	0.675	0.325	0.007	0.011	0.522	20.463
rs281219	met-c-881	15	47711652	A/G	0.238	0.238	0.007	0.012	0.566	36.335
rs76176628	met-c-881	19	36345767	T/C	0.946	0.054	0.007	0.026	0.799	27.617
rs7939241	met-c-881	11	114859696	A/G	0.207	0.207	0.007	0.013	0.621	27.220

rs3785229	met-c-881	16	7670999	A/G	0.434	0.434	0.006	0.010	0.548	33.209
rs4791393	met-c-881	17	7822466	C/T	0.943	0.057	0.006	0.025	0.815	20.255
rs9352784	met-c-881	6	80604130	G/A	0.883	0.117	0.006	0.016	0.725	20.774
rs898751	met-c-881	17	2291863	C/T	0.469	0.469	0.006	0.010	0.603	27.171
rs2959495	met-c-881	18	62113144	C/A	0.511	0.489	0.005	0.010	0.600	21.467
rs1039720	met-c-881	18	73758482	G/A	0.212	0.212	0.005	0.013	0.677	24.402
rs6057026	met-c-881	20	9904213	G/A	0.206	0.206	0.005	0.013	0.684	19.369
rs34130665	met-c-881	2	215383374	C/T	0.577	0.423	0.005	0.010	0.631	19.976
rs62180989	met-c-881	2	191271244	C/T	0.647	0.353	0.005	0.011	0.647	27.421
rs10986931	met-c-881	9	128564209	C/T	0.340	0.340	0.004	0.011	0.693	21.068
rs7871511	met-c-881	9	5555160	A/C	0.832	0.168	0.004	0.014	0.778	20.800
rs16903000	met-c-881	5	13995236	T/C	0.685	0.315	0.004	0.011	0.740	23.843
rs2631024	met-c-881	8	91995577	A/G	0.301	0.301	0.003	0.011	0.760	26.091
rs4883913	met-c-881	13	73145459	T/C	0.586	0.414	0.003	0.010	0.769	20.076
rs6430204	met-c-881	2	148343718	C/T	0.586	0.414	0.003	0.011	0.804	27.909
rs10977243	met-c-881	9	8672042	A/G	0.936	0.064	0.003	0.022	0.909	19.735
rs12756240	met-c-881	1	238433595	T/C	0.659	0.341	0.001	0.011	0.898	20.827
rs587978	met-c-881	11	105801770	C/T	0.507	0.493	0.001	0.010	0.925	24.834
rs11128045	met-c-881	3	88498034	T/C	0.569	0.431	0.000	0.010	0.981	20.977
rs2121884	met-c-881	9	114638982	A/C	0.299	0.299	-0.001	0.011	0.959	20.552
rs12434775	met-c-881	14	69524809	G/A	0.666	0.334	-0.001	0.011	0.942	22.177
rs10865037	met-c-881	2	100871361	T/C	0.592	0.408	-0.002	0.010	0.882	19.723
rs77403093	met-c-881	17	57220124	C/T	0.641	0.359	-0.002	0.011	0.860	20.304
rs880597	met-c-881	9	102168293	C/T	0.758	0.242	-0.002	0.012	0.853	24.234
rs35996140	met-c-881	3	68521478	C/A	0.756	0.244	-0.003	0.012	0.796	20.333
rs1557341	met-c-881	18	35127427	A/C	0.279	0.279	-0.004	0.012	0.749	22.613
rs114621346	met-c-881	1	159171474	G/A	0.981	0.019	-0.004	0.039	0.911	22.680
rs13248299	met-c-881	8	106306761	C/T	0.491	0.491	-0.004	0.010	0.669	20.653
rs745136	met-c-881	15	96899827	T/G	0.448	0.448	-0.005	0.011	0.661	23.065
rs13064450	met-c-881	3	21077708	G/A	0.613	0.387	-0.005	0.011	0.637	25.194
rs11681451	met-c-881	2	225334104	T/C	0.686	0.314	-0.005	0.011	0.632	29.493
rs10168768	met-c-881	2	137484713	G/T	0.447	0.447	-0.007	0.010	0.531	23.198
rs11652858	met-c-881	17	46844996	C/T	0.694	0.306	-0.007	0.011	0.548	23.644

rs6882046	met-c-881	5	87968864	A/G	0.806	0.194	-0.007	0.013	0.577	44.873
rs9847830	met-c-881	3	100861030	A/C	0.866	0.134	-0.008	0.015	0.624	19.773
rs16890052	met-c-881	6	79184742	T/C	0.841	0.159	-0.008	0.014	0.584	20.464
rs6978112	met-c-881	7	1966841	C/T	0.611	0.389	-0.008	0.011	0.434	38.200
rs61817482	met-c-881	1	204570347	G/A	0.766	0.234	-0.009	0.012	0.469	25.528
rs4407278	met-c-881	2	648607	C/T	0.323	0.323	-0.009	0.012	0.464	28.999
rs4686704	met-c-881	3	185579020	A/G	0.578	0.422	-0.010	0.011	0.382	22.345
rs1346075	met-c-881	4	68028922	T/G	0.548	0.452	-0.010	0.010	0.354	20.095
rs35069754	met-c-881	5	2295044	A/G	0.867	0.133	-0.010	0.015	0.507	22.132
rs6767669	met-c-881	3	116599500	G/A	0.803	0.197	-0.012	0.013	0.401	26.575
rs72880354	met-c-881	1	28683713	G/A	0.653	0.347	-0.012	0.011	0.296	19.834
rs11018771	met-c-881	11	89488562	T/C	0.705	0.295	-0.012	0.013	0.363	22.745
rs12629217	met-c-881	3	143442254	C/T	0.725	0.275	-0.012	0.012	0.296	22.348
rs6014531	met-c-881	20	54403893	C/T	0.376	0.376	-0.013	0.011	0.240	19.824
rs139954992	met-c-881	22	50992048	G/A	0.967	0.033	-0.013	0.032	0.689	19.970
rs2694633	met-c-881	2	61540642	A/C	0.352	0.352	-0.013	0.011	0.230	24.389
rs35164264	met-c-881	17	41150021	A/G	0.958	0.042	-0.013	0.031	0.671	22.391
rs112060520	met-c-881	3	117671421	G/T	0.798	0.202	-0.014	0.013	0.283	22.751
rs11692083	met-c-881	2	59212187	G/A	0.456	0.456	-0.015	0.011	0.164	35.281
rs62525716	met-c-881	8	130056308	C/T	0.922	0.078	-0.016	0.019	0.399	21.025
rs696815	met-c-881	2	198688084	A/C	0.336	0.336	-0.017	0.011	0.136	24.826
rs7562697	met-c-881	2	181918896	A/G	0.252	0.252	-0.018	0.012	0.138	20.513
rs12277713	met-c-881	11	133528521	T/C	0.469	0.469	-0.019	0.011	0.085	22.492
rs1421085	met-c-881	16	53800954	T/C	0.577	0.423	-0.021	0.010	0.051	84.782
rs150978694	met-c-881	16	26515201	C/T	0.983	0.017	-0.022	0.041	0.608	21.246
rs60313989	met-c-881	8	132075266	G/A	0.606	0.394	-0.022	0.011	0.046	19.319
rs66922415	met-c-881	18	57848651	A/G	0.815	0.185	-0.022	0.013	0.099	40.296
rs6780833	met-c-881	3	137067993	G/A	0.640	0.360	-0.022	0.011	0.039	29.645
rs2037711	met-c-881	13	85476417	C/A	0.658	0.342	-0.024	0.011	0.031	19.835
rs587806	met-c-881	11	119882908	T/C	0.108	0.108	-0.024	0.017	0.175	21.792
rs117794620	met-c-881	17	28991182	A/G	0.977	0.023	-0.025	0.041	0.555	23.071
rs34330406	met-c-881	2	180803486	C/T	0.985	0.015	-0.025	0.049	0.613	22.477
rs739848	met-c-881	19	18809314	C/T	0.812	0.188	-0.027	0.013	0.048	24.970

rs1819982	met-c-881	5	168614172	C/A	0.512	0.488	-0.027	0.010	0.010	20.776
rs151150389	met-c-881	8	28897171	T/C	0.976	0.024	-0.029	0.034	0.399	24.179
rs13012149	met-c-881	2	122611171	G/A	0.436	0.436	-0.030	0.011	0.005	20.169
rs72913870	met-c-881	3	89047588	G/A	0.920	0.080	-0.032	0.020	0.115	33.155
rs2425052	met-c-881	20	33880729	A/C	0.530	0.470	-0.033	0.011	0.002	25.907
rs115005266	met-c-881	6	24249780	C/T	0.991	0.009	-0.038	0.062	0.547	19.475
rs2417261	met-c-881	12	13414139	T/G	0.163	0.163	-0.043	0.014	0.002	20.203
rs13147599	met-c-881	4	93784286	A/G	0.964	0.036	-0.051	0.028	0.070	21.293
rs11641525	met-c-881	16	89691310	G/A	0.966	0.034	-0.064	0.038	0.096	24.345
rs151150389	met-c-889	8	28897171	T/C	0.976	0.024	0.037	0.034	0.282	24.179
rs112423942	met-c-889	4	189790022	C/T	0.955	0.045	0.037	0.028	0.184	21.867
rs11018771	met-c-889	11	89488562	T/C	0.704	0.296	0.032	0.013	0.016	22.745
rs4762172	met-c-889	12	95493912	T/C	0.931	0.069	0.030	0.020	0.150	24.668
rs1557341	met-c-889	18	35127427	A/C	0.279	0.279	0.027	0.012	0.024	22.613
rs11882956	met-c-889	19	5900470	G/A	0.958	0.042	0.025	0.028	0.365	21.213
rs335352	met-c-889	6	155623709	G/A	0.342	0.342	0.021	0.011	0.063	21.453
rs13053329	met-c-889	22	31502732	A/G	0.586	0.414	0.021	0.010	0.051	20.342
rs3999544	met-c-889	6	26285867	C/T	0.359	0.359	0.020	0.011	0.067	25.749
rs60795232	met-c-889	2	236680476	A/G	0.730	0.270	0.019	0.012	0.099	29.572
rs13147599	met-c-889	4	93784286	A/G	0.964	0.036	0.017	0.028	0.538	21.293
rs3795944	met-c-889	2	23920545	A/G	0.434	0.434	0.017	0.010	0.100	23.117
rs11251692	met-c-889	10	364707	C/T	0.875	0.125	0.017	0.016	0.298	21.753
rs114621346	met-c-889	1	159171474	G/A	0.981	0.019	0.016	0.039	0.693	22.680
rs2292239	met-c-889	12	56482180	T/G	0.296	0.296	0.015	0.011	0.185	29.926
rs6057026	met-c-889	20	9904213	G/A	0.205	0.205	0.015	0.013	0.241	19.369
rs1346075	met-c-889	4	68028922	T/G	0.548	0.452	0.015	0.010	0.151	20.095
rs1472157	met-c-889	9	81788743	T/C	0.331	0.331	0.014	0.011	0.210	26.452
rs2491244	met-c-889	13	28599914	G/A	0.434	0.434	0.014	0.011	0.188	28.163
rs2631024	met-c-889	8	91995577	A/G	0.300	0.300	0.014	0.011	0.223	26.091
rs13248299	met-c-889	8	106306761	C/T	0.491	0.491	0.014	0.010	0.188	20.653
rs961936	met-c-889	11	29778265	A/G	0.572	0.428	0.013	0.010	0.231	20.706
rs77403093	met-c-889	17	57220124	C/T	0.642	0.358	0.012	0.011	0.280	20.304
rs10889706	met-c-889	1	41350787	A/C	0.637	0.363	0.011	0.011	0.313	24.317

rs72734517	met-c-889	15	76101535	C/T	0.964	0.036	0.011	0.032	0.731	19.561
rs1788823	met-c-889	18	21114917	A/G	0.345	0.345	0.010	0.011	0.351	33.261
rs6978112	met-c-889	7	1966841	C/T	0.612	0.388	0.010	0.011	0.355	38.200
rs62180989	met-c-889	2	191271244	C/T	0.647	0.353	0.010	0.011	0.370	27.421
rs7871511	met-c-889	9	5555160	A/C	0.832	0.168	0.009	0.014	0.511	20.800
rs2660338	met-c-889	4	41982707	A/C	0.195	0.195	0.009	0.014	0.537	25.956
rs13064450	met-c-889	3	21077708	G/A	0.612	0.388	0.009	0.011	0.415	25.194
rs587978	met-c-889	11	105801770	C/T	0.508	0.492	0.009	0.010	0.398	24.834
rs76176628	met-c-889	19	36345767	T/C	0.946	0.054	0.008	0.026	0.770	27.617
rs4698920	met-c-889	4	105379055	G/A	0.384	0.384	0.007	0.011	0.500	29.668
rs79416180	met-c-889	7	136623471	C/T	0.878	0.122	0.007	0.016	0.658	19.640
rs10865037	met-c-889	2	100871361	T/C	0.592	0.408	0.006	0.010	0.570	19.723
rs16890052	met-c-889	6	79184742	T/C	0.841	0.159	0.006	0.014	0.678	20.464
rs6014531	met-c-889	20	54403893	C/T	0.375	0.375	0.006	0.011	0.588	19.824
rs4883913	met-c-889	13	73145459	T/C	0.586	0.414	0.006	0.010	0.582	20.076
rs2694633	met-c-889	2	61540642	A/C	0.351	0.351	0.006	0.011	0.610	24.389
rs11641525	met-c-889	16	89691310	G/A	0.966	0.034	0.005	0.038	0.891	24.345
rs2121884	met-c-889	9	114638982	A/C	0.299	0.299	0.005	0.011	0.645	20.552
rs2471325	met-c-889	4	3024044	C/T	0.621	0.379	0.005	0.011	0.630	28.131
rs34118828	met-c-889	15	27026260	G/A	0.615	0.385	0.005	0.011	0.633	27.147
rs117875805	met-c-889	7	53786445	T/C	0.955	0.045	0.005	0.027	0.848	21.403
rs34130665	met-c-889	2	215383374	C/T	0.578	0.422	0.005	0.011	0.647	19.976
rs4655090	met-c-889	1	23011945	C/T	0.751	0.249	0.005	0.012	0.700	21.955
rs880597	met-c-889	9	102168293	C/T	0.758	0.242	0.004	0.012	0.717	24.234
rs4791393	met-c-889	17	7822466	C/T	0.943	0.057	0.004	0.025	0.865	20.255
rs7562697	met-c-889	2	181918896	A/G	0.252	0.252	0.004	0.012	0.724	20.513
rs2959495	met-c-889	18	62113144	C/A	0.512	0.488	0.004	0.010	0.714	21.467
rs9847830	met-c-889	3	100861030	A/C	0.866	0.134	0.004	0.015	0.806	19.773
rs11128045	met-c-889	3	88498034	T/C	0.569	0.431	0.003	0.010	0.769	20.977
rs10253861	met-c-889	7	8110475	G/A	0.521	0.479	0.003	0.010	0.773	27.117
rs10168768	met-c-889	2	137484713	G/T	0.446	0.446	0.002	0.010	0.812	23.198
rs9352784	met-c-889	6	80604130	G/A	0.882	0.118	0.002	0.016	0.901	20.774
rs62525716	met-c-889	8	130056308	C/T	0.922	0.078	0.001	0.019	0.942	21.025

rs9597573	met-c-889	13	58110178	T/C	0.599	0.401	0.001	0.010	0.898	20.845
rs11102404	met-c-889	1	112721915	G/A	0.335	0.335	0.001	0.011	0.903	30.153
rs2915124	met-c-889	1	68688538	A/G	0.684	0.316	0.001	0.011	0.908	27.393
rs2037711	met-c-889	13	85476417	C/A	0.658	0.342	0.001	0.011	0.911	19.835
rs7784688	met-c-889	7	32966042	T/C	0.439	0.439	0.000	0.011	0.972	20.112
rs12277713	met-c-889	11	133528521	T/C	0.469	0.469	0.000	0.011	0.997	22.492
rs6882046	met-c-889	5	87968864	A/G	0.805	0.195	0.000	0.013	0.994	44.873
rs72913870	met-c-889	3	89047588	G/A	0.920	0.080	0.000	0.020	0.981	33.155
rs10986931	met-c-889	9	128564209	C/T	0.340	0.340	-0.001	0.011	0.952	21.068
rs139954992	met-c-889	22	50992048	G/A	0.967	0.033	-0.002	0.032	0.962	19.970
rs552334	met-c-889	11	95595694	T/C	0.481	0.481	-0.002	0.011	0.871	30.927
rs35996140	met-c-889	3	68521478	C/A	0.756	0.244	-0.002	0.012	0.861	20.333
rs7921305	met-c-889	10	133775196	G/A	0.766	0.234	-0.002	0.012	0.847	33.811
rs7626445	met-c-889	3	49114544	C/T	0.333	0.333	-0.003	0.011	0.767	31.540
rs898751	met-c-889	17	2291863	C/T	0.469	0.469	-0.003	0.011	0.751	27.171
rs4686704	met-c-889	3	185579020	A/G	0.578	0.422	-0.004	0.011	0.723	22.345
rs7939241	met-c-889	11	114859696	A/G	0.206	0.206	-0.004	0.013	0.759	27.220
rs3785229	met-c-889	16	7670999	A/G	0.434	0.434	-0.004	0.010	0.682	33.209
rs1819982	met-c-889	5	168614172	C/A	0.512	0.488	-0.005	0.011	0.650	20.776
rs35287743	met-c-889	12	110057250	G/T	0.903	0.097	-0.005	0.018	0.781	32.211
rs9422753	met-c-889	10	126960137	T/C	0.776	0.224	-0.005	0.012	0.686	28.369
rs13012149	met-c-889	2	122611171	G/A	0.436	0.436	-0.005	0.011	0.636	20.169
rs12629217	met-c-889	3	143442254	C/T	0.725	0.275	-0.006	0.012	0.638	22.348
rs13322059	met-c-889	3	156310778	A/C	0.703	0.297	-0.006	0.012	0.641	19.317
rs66922415	met-c-889	18	57848651	A/G	0.815	0.185	-0.006	0.013	0.647	40.296
rs12137549	met-c-889	1	190872114	T/C	0.676	0.324	-0.006	0.011	0.577	20.463
rs281219	met-c-889	15	47711652	A/G	0.238	0.238	-0.006	0.012	0.603	36.335
rs1308512	met-c-889	9	87279298	A/G	0.239	0.239	-0.007	0.013	0.598	26.174
rs60313989	met-c-889	8	132075266	G/A	0.606	0.394	-0.007	0.011	0.511	19.319
rs2117028	met-c-889	12	49480948	G/A	0.475	0.475	-0.007	0.012	0.559	26.102
rs10977243	met-c-889	9	8672042	A/G	0.936	0.064	-0.007	0.022	0.738	19.735
rs8008842	met-c-889	14	41300060	A/G	0.558	0.442	-0.008	0.010	0.468	21.593
rs72843234	met-c-889	2	134435162	T/C	0.979	0.021	-0.008	0.037	0.836	20.015

rs150262359	met-c-889	16	29006757	G/A	0.936	0.064	-0.008	0.026	0.761	21.395
rs11692083	met-c-889	2	59212187	G/A	0.456	0.456	-0.008	0.011	0.462	35.281
rs150534	met-c-889	5	60503133	G/A	0.482	0.482	-0.008	0.010	0.437	31.772
rs11652858	met-c-889	17	46844996	C/T	0.693	0.307	-0.009	0.011	0.447	23.644
rs35164264	met-c-889	17	41150021	A/G	0.958	0.042	-0.009	0.031	0.784	22.391
rs11681451	met-c-889	2	225334104	T/C	0.686	0.314	-0.009	0.011	0.432	29.493
rs12434775	met-c-889	14	69524809	G/A	0.666	0.334	-0.009	0.011	0.398	22.177
rs16903000	met-c-889	5	13995236	T/C	0.685	0.315	-0.010	0.011	0.382	23.843
rs12756240	met-c-889	1	238433595	T/C	0.660	0.340	-0.010	0.011	0.374	20.827
rs112060520	met-c-889	3	117671421	G/T	0.798	0.202	-0.010	0.013	0.433	22.751
rs76157199	met-c-889	2	98541874	A/G	0.981	0.019	-0.010	0.041	0.800	20.162
rs72880354	met-c-889	1	28683713	G/A	0.653	0.347	-0.011	0.011	0.330	19.834
rs115005266	met-c-889	6	24249780	C/T	0.991	0.009	-0.011	0.062	0.863	19.475
rs696815	met-c-889	2	198688084	A/C	0.336	0.336	-0.011	0.011	0.331	24.826
rs587806	met-c-889	11	119882908	T/C	0.108	0.108	-0.012	0.017	0.501	21.792
rs1039720	met-c-889	18	73758482	G/A	0.213	0.213	-0.012	0.013	0.342	24.402
rs739848	met-c-889	19	18809314	C/T	0.812	0.188	-0.012	0.013	0.358	24.970
rs6430204	met-c-889	2	148343718	C/T	0.586	0.414	-0.014	0.011	0.220	27.909
rs35069754	met-c-889	5	2295044	A/G	0.867	0.133	-0.015	0.015	0.328	22.132
rs6780833	met-c-889	3	137067993	G/A	0.640	0.360	-0.015	0.011	0.158	29.645
rs1421085	met-c-889	16	53800954	T/C	0.577	0.423	-0.016	0.010	0.131	84.782
rs61817482	met-c-889	1	204570347	G/A	0.766	0.234	-0.016	0.012	0.192	25.528
rs11227478	met-c-889	11	66173400	G/A	0.801	0.199	-0.016	0.013	0.221	30.390
rs6767669	met-c-889	3	116599500	G/A	0.803	0.197	-0.016	0.014	0.231	26.575
rs4407278	met-c-889	2	648607	C/T	0.323	0.323	-0.017	0.012	0.183	28.999
rs2417261	met-c-889	12	13414139	T/G	0.164	0.164	-0.019	0.014	0.174	20.203
rs2425052	met-c-889	20	33880729	A/C	0.529	0.471	-0.021	0.011	0.054	25.907
rs62366395	met-c-889	5	104370644	G/A	0.958	0.042	-0.024	0.027	0.394	21.288
rs745136	met-c-889	15	96899827	T/G	0.449	0.449	-0.027	0.011	0.012	23.065
rs34330406	met-c-889	2	180803486	C/T	0.986	0.014	-0.028	0.049	0.567	22.477
rs2710627	met-c-889	2	32758627	A/G	0.352	0.352	-0.029	0.011	0.007	24.046
rs117794620	met-c-889	17	28991182	A/G	0.977	0.023	-0.056	0.041	0.181	23.071
rs117764493	met-c-889	13	102131922	T/G	0.982	0.018	-0.061	0.043	0.162	20.480

rs150978694	met-c-889	16	26515201	C/T	0.983	0.017	-0.062	0.042	0.142	21.246
rs79958999	met-c-889	13	40758670	G/A	0.994	0.006	-0.088	0.133	0.512	24.095
rs72734517	met-c-893	15	76101535	C/T	0.962	0.038	0.061	0.036	0.096	19.561
rs35164264	met-c-893	17	41150021	A/G	0.957	0.043	0.056	0.037	0.133	22.391
rs117875805	met-c-893	7	53786445	T/C	0.952	0.048	0.055	0.031	0.076	21.403
rs34330406	met-c-893	2	180803486	C/T	0.983	0.017	0.051	0.055	0.359	22.477
rs2292239	met-c-893	12	56482180	T/G	0.297	0.297	0.029	0.014	0.037	29.926
rs2491244	met-c-893	13	28599914	G/A	0.424	0.424	0.028	0.013	0.027	28.163
rs76157199	met-c-893	2	98541874	A/G	0.980	0.020	0.027	0.048	0.579	20.162
rs150262359	met-c-893	16	29006757	G/A	0.935	0.065	0.025	0.030	0.420	21.395
rs335352	met-c-893	6	155623709	G/A	0.346	0.346	0.023	0.013	0.084	21.453
rs10977243	met-c-893	9	8672042	A/G	0.935	0.065	0.022	0.026	0.392	19.735
rs4883913	met-c-893	13	73145459	T/C	0.579	0.421	0.022	0.012	0.084	20.076
rs961936	met-c-893	11	29778265	A/G	0.570	0.430	0.021	0.012	0.085	20.706
rs79416180	met-c-893	7	136623471	C/T	0.881	0.119	0.021	0.019	0.274	19.640
rs4698920	met-c-893	4	105379055	G/A	0.381	0.381	0.020	0.013	0.120	29.668
rs4655090	met-c-893	1	23011945	C/T	0.749	0.251	0.020	0.015	0.180	21.955
rs151150389	met-c-893	8	28897171	T/C	0.975	0.025	0.019	0.040	0.637	24.179
rs587978	met-c-893	11	105801770	C/T	0.505	0.495	0.018	0.012	0.135	24.834
rs150978694	met-c-893	16	26515201	C/T	0.983	0.017	0.018	0.050	0.724	21.246
rs3795944	met-c-893	2	23920545	A/G	0.442	0.442	0.017	0.012	0.163	23.117
rs72843234	met-c-893	2	134435162	T/C	0.979	0.021	0.017	0.043	0.695	20.015
rs60795232	met-c-893	2	236680476	A/G	0.727	0.273	0.017	0.014	0.221	29.572
rs1039720	met-c-893	18	73758482	G/A	0.208	0.208	0.017	0.015	0.283	24.402
rs62366395	met-c-893	5	104370644	G/A	0.959	0.041	0.016	0.033	0.631	21.288
rs10889706	met-c-893	1	41350787	A/C	0.632	0.368	0.014	0.013	0.269	24.317
rs12137549	met-c-893	1	190872114	T/C	0.671	0.329	0.013	0.013	0.307	20.463
rs1308512	met-c-893	9	87279298	A/G	0.238	0.238	0.013	0.015	0.388	26.174
rs13053329	met-c-893	22	31502732	A/G	0.577	0.423	0.013	0.012	0.306	20.342
rs1472157	met-c-893	9	81788743	T/C	0.327	0.327	0.013	0.013	0.343	26.452
rs4762172	met-c-893	12	95493912	T/C	0.932	0.068	0.012	0.024	0.629	24.668
rs4791393	met-c-893	17	7822466	C/T	0.940	0.060	0.011	0.029	0.696	20.255
rs2959495	met-c-893	18	62113144	C/A	0.504	0.496	0.011	0.012	0.374	21.467

rs7784688	met-c-893	7	32966042	T/C	0.446	0.446	0.011	0.012	0.388	20.112
rs10865037	met-c-893	2	100871361	T/C	0.589	0.411	0.011	0.012	0.397	19.723
rs35287743	met-c-893	12	110057250	G/T	0.911	0.089	0.010	0.022	0.638	32.211
rs2471325	met-c-893	4	3024044	C/T	0.618	0.382	0.010	0.013	0.448	28.131
rs11102404	met-c-893	1	112721915	G/A	0.332	0.332	0.010	0.013	0.463	30.153
rs9422753	met-c-893	10	126960137	T/C	0.772	0.228	0.010	0.015	0.518	28.369
rs150534	met-c-893	5	60503133	G/A	0.478	0.478	0.009	0.012	0.462	31.772
rs77403093	met-c-893	17	57220124	C/T	0.652	0.348	0.009	0.013	0.498	20.304
rs7626445	met-c-893	3	49114544	C/T	0.333	0.333	0.009	0.013	0.514	31.540
rs2117028	met-c-893	12	49480948	G/A	0.478	0.478	0.008	0.013	0.543	26.102
rs2915124	met-c-893	1	68688538	A/G	0.679	0.321	0.008	0.013	0.541	27.393
rs10253861	met-c-893	7	8110475	G/A	0.523	0.477	0.008	0.012	0.518	27.117
rs6767669	met-c-893	3	116599500	G/A	0.802	0.198	0.007	0.016	0.667	26.575
rs2660338	met-c-893	4	41982707	A/C	0.191	0.191	0.007	0.017	0.691	25.956
rs112423942	met-c-893	4	189790022	C/T	0.955	0.045	0.006	0.032	0.852	21.867
rs11882956	met-c-893	19	5900470	G/A	0.960	0.040	0.006	0.034	0.863	21.213
rs11227478	met-c-893	11	66173400	G/A	0.807	0.193	0.006	0.016	0.726	30.390
rs7871511	met-c-893	9	5555160	A/C	0.839	0.161	0.004	0.017	0.805	20.800
rs1557341	met-c-893	18	35127427	A/C	0.281	0.281	0.004	0.014	0.775	22.613
rs10986931	met-c-893	9	128564209	C/T	0.346	0.346	0.004	0.013	0.771	21.068
rs16903000	met-c-893	5	13995236	T/C	0.686	0.314	0.004	0.013	0.785	23.843
rs6978112	met-c-893	7	1966841	C/T	0.611	0.389	0.003	0.013	0.814	38.200
rs3999544	met-c-893	6	26285867	C/T	0.354	0.354	0.003	0.013	0.816	25.749
rs114621346	met-c-893	1	159171474	G/A	0.982	0.018	0.003	0.049	0.953	22.680
rs2121884	met-c-893	9	114638982	A/C	0.297	0.297	0.002	0.013	0.858	20.552
rs34118828	met-c-893	15	27026260	G/A	0.616	0.384	0.002	0.013	0.870	27.147
rs12434775	met-c-893	14	69524809	G/A	0.669	0.331	0.002	0.013	0.895	22.177
rs8008842	met-c-893	14	41300060	A/G	0.549	0.451	0.001	0.012	0.906	21.593
rs62180989	met-c-893	2	191271244	C/T	0.652	0.348	0.001	0.013	0.919	27.421
rs7562697	met-c-893	2	181918896	A/G	0.256	0.256	0.001	0.014	0.968	20.513
rs13064450	met-c-893	3	21077708	G/A	0.616	0.384	0.000	0.013	0.992	25.194
rs13248299	met-c-893	8	106306761	C/T	0.479	0.479	0.000	0.012	0.994	20.653
rs3785229	met-c-893	16	7670999	A/G	0.433	0.433	0.000	0.012	0.994	33.209

rs1788823	met-c-893	18	21114917	A/G	0.350	0.350	0.000	0.013	0.981	33.261
rs11652858	met-c-893	17	46844996	C/T	0.697	0.303	0.000	0.013	0.973	23.644
rs4407278	met-c-893	2	648607	C/T	0.331	0.331	-0.001	0.015	0.952	28.999
rs12756240	met-c-893	1	238433595	T/C	0.645	0.355	-0.001	0.013	0.927	20.827
rs7939241	met-c-893	11	114859696	A/G	0.207	0.207	-0.002	0.015	0.899	27.220
rs10168768	met-c-893	2	137484713	G/T	0.447	0.447	-0.002	0.012	0.853	23.198
rs552334	met-c-893	11	95595694	T/C	0.484	0.484	-0.002	0.013	0.849	30.927
rs66922415	met-c-893	18	57848651	A/G	0.811	0.189	-0.002	0.016	0.879	40.296
rs587806	met-c-893	11	119882908	T/C	0.102	0.102	-0.003	0.021	0.896	21.792
rs34130665	met-c-893	2	215383374	C/T	0.584	0.416	-0.003	0.012	0.801	19.976
rs2631024	met-c-893	8	91995577	A/G	0.309	0.309	-0.003	0.013	0.805	26.091
rs13322059	met-c-893	3	156310778	A/C	0.699	0.301	-0.004	0.014	0.802	19.317
rs6057026	met-c-893	20	9904213	G/A	0.208	0.208	-0.004	0.015	0.803	19.369
rs880597	met-c-893	9	102168293	C/T	0.758	0.242	-0.004	0.014	0.780	24.234
rs11251692	met-c-893	10	364707	C/T	0.874	0.126	-0.005	0.019	0.806	21.753
rs9352784	met-c-893	6	80604130	G/A	0.885	0.115	-0.006	0.019	0.774	20.774
rs11128045	met-c-893	3	88498034	T/C	0.568	0.432	-0.006	0.012	0.631	20.977
rs745136	met-c-893	15	96899827	T/G	0.430	0.430	-0.006	0.013	0.620	23.065
rs6882046	met-c-893	5	87968864	A/G	0.809	0.191	-0.007	0.016	0.670	44.873
rs112060520	met-c-893	3	117671421	G/T	0.799	0.201	-0.007	0.015	0.656	22.751
rs7921305	met-c-893	10	133775196	G/A	0.768	0.232	-0.008	0.015	0.590	33.811
rs696815	met-c-893	2	198688084	A/C	0.335	0.335	-0.008	0.013	0.543	24.826
rs898751	met-c-893	17	2291863	C/T	0.466	0.466	-0.008	0.012	0.510	27.171
rs76176628	met-c-893	19	36345767	T/C	0.946	0.054	-0.008	0.032	0.795	27.617
rs1346075	met-c-893	4	68028922	T/G	0.545	0.455	-0.008	0.012	0.492	20.095
rs12629217	met-c-893	3	143442254	C/T	0.725	0.275	-0.009	0.014	0.538	22.348
rs35996140	met-c-893	3	68521478	C/A	0.758	0.242	-0.009	0.014	0.535	20.333
rs9847830	met-c-893	3	100861030	A/C	0.869	0.131	-0.009	0.018	0.617	19.773
rs60313989	met-c-893	8	132075266	G/A	0.609	0.391	-0.009	0.013	0.487	19.319
rs739848	met-c-893	19	18809314	C/T	0.811	0.189	-0.011	0.016	0.484	24.970
rs6780833	met-c-893	3	137067993	G/A	0.642	0.358	-0.012	0.013	0.344	29.645
rs281219	met-c-893	15	47711652	A/G	0.229	0.229	-0.012	0.015	0.404	36.335
rs16890052	met-c-893	6	79184742	T/C	0.847	0.153	-0.012	0.017	0.474	20.464

rs12277713	met-c-893	11	133528521	T/C	0.465	0.465	-0.014	0.013	0.282	22.492
rs1421085	met-c-893	16	53800954	T/C	0.585	0.415	-0.015	0.012	0.246	84.782
rs6430204	met-c-893	2	148343718	C/T	0.577	0.423	-0.015	0.013	0.278	27.909
rs2710627	met-c-893	2	32758627	A/G	0.341	0.341	-0.015	0.013	0.248	24.046
rs61817482	met-c-893	1	204570347	G/A	0.769	0.231	-0.016	0.015	0.271	25.528
rs35069754	met-c-893	5	2295044	A/G	0.865	0.135	-0.016	0.018	0.378	22.132
rs9597573	met-c-893	13	58110178	T/C	0.605	0.395	-0.016	0.012	0.193	20.845
rs62525716	met-c-893	8	130056308	C/T	0.921	0.079	-0.017	0.023	0.471	21.025
rs2694633	met-c-893	2	61540642	A/C	0.361	0.361	-0.017	0.013	0.180	24.389
rs2037711	met-c-893	13	85476417	C/A	0.660	0.340	-0.018	0.013	0.165	19.835
rs72913870	met-c-893	3	89047588	G/A	0.920	0.080	-0.019	0.024	0.434	33.155
rs13012149	met-c-893	2	122611171	G/A	0.442	0.442	-0.019	0.013	0.140	20.169
rs72880354	met-c-893	1	28683713	G/A	0.654	0.346	-0.019	0.013	0.145	19.834
rs11692083	met-c-893	2	59212187	G/A	0.448	0.448	-0.021	0.013	0.097	35.281
rs11641525	met-c-893	16	89691310	G/A	0.967	0.033	-0.022	0.046	0.632	24.345
rs4686704	met-c-893	3	185579020	A/G	0.573	0.427	-0.023	0.013	0.079	22.345
rs11681451	met-c-893	2	225334104	T/C	0.692	0.308	-0.023	0.013	0.078	29.493
rs1819982	met-c-893	5	168614172	C/A	0.513	0.487	-0.026	0.012	0.041	20.776
rs6014531	met-c-893	20	54403893	C/T	0.383	0.383	-0.027	0.013	0.038	19.824
rs139954992	met-c-893	22	50992048	G/A	0.968	0.032	-0.028	0.038	0.469	19.970
rs2417261	met-c-893	12	13414139	T/G	0.163	0.163	-0.029	0.017	0.090	20.203
rs2425052	met-c-893	20	33880729	A/C	0.530	0.470	-0.031	0.013	0.016	25.907
rs11018771	met-c-893	11	89488562	T/C	0.713	0.287	-0.031	0.016	0.054	22.745
rs117764493	met-c-893	13	102131922	T/G	0.981	0.019	-0.036	0.050	0.482	20.480
rs13147599	met-c-893	4	93784286	A/G	0.962	0.038	-0.065	0.033	0.047	21.293
rs115005266	met-c-893	6	24249780	C/T	0.992	0.008	-0.085	0.075	0.258	19.475
rs117794620	met-c-893	17	28991182	A/G	0.976	0.024	-0.086	0.048	0.077	23.071
rs112423942	met-c-925	4	189790022	C/T	0.955	0.045	0.045	0.027	0.108	21.867
rs11882956	met-c-925	19	5900470	G/A	0.958	0.042	0.036	0.027	0.197	21.213
rs72734517	met-c-925	15	76101535	C/T	0.964	0.036	0.035	0.032	0.269	19.561
rs72843234	met-c-925	2	134435162	T/C	0.979	0.021	0.031	0.037	0.401	20.015
rs117875805	met-c-925	7	53786445	T/C	0.955	0.045	0.030	0.027	0.265	21.403
rs11251692	met-c-925	10	364707	C/T	0.875	0.125	0.029	0.016	0.068	21.753

rs79958999	met-c-925	13	40758670	G/A	0.994	0.006	0.026	0.132	0.845	24.095
rs4698920	met-c-925	4	105379055	G/A	0.385	0.385	0.024	0.011	0.024	29.668
rs1788823	met-c-925	18	21114917	A/G	0.345	0.345	0.024	0.011	0.029	33.261
rs961936	met-c-925	11	29778265	A/G	0.572	0.428	0.024	0.010	0.025	20.706
rs4655090	met-c-925	1	23011945	C/T	0.751	0.249	0.022	0.012	0.072	21.955
rs2491244	met-c-925	13	28599914	G/A	0.434	0.434	0.022	0.010	0.040	28.163
rs10889706	met-c-925	1	41350787	A/C	0.637	0.363	0.022	0.011	0.050	24.317
rs4762172	met-c-925	12	95493912	T/C	0.931	0.069	0.020	0.020	0.334	24.668
rs79416180	met-c-925	7	136623471	C/T	0.878	0.122	0.019	0.016	0.245	19.640
rs60795232	met-c-925	2	236680476	A/G	0.730	0.270	0.018	0.012	0.125	29.572
rs1308512	met-c-925	9	87279298	A/G	0.239	0.239	0.017	0.013	0.191	26.174
rs11227478	met-c-925	11	66173400	G/A	0.800	0.200	0.017	0.013	0.203	30.390
rs335352	met-c-925	6	155623709	G/A	0.342	0.342	0.017	0.011	0.137	21.453
rs2292239	met-c-925	12	56482180	T/G	0.296	0.296	0.016	0.011	0.163	29.926
rs150262359	met-c-925	16	29006757	G/A	0.936	0.064	0.016	0.025	0.534	21.395
rs117764493	met-c-925	13	102131922	T/G	0.982	0.018	0.015	0.043	0.737	20.480
rs13053329	met-c-925	22	31502732	A/G	0.586	0.414	0.014	0.010	0.176	20.342
rs8008842	met-c-925	14	41300060	A/G	0.558	0.442	0.013	0.010	0.215	21.593
rs552334	met-c-925	11	95595694	T/C	0.481	0.481	0.012	0.011	0.270	30.927
rs2660338	met-c-925	4	41982707	A/C	0.195	0.195	0.012	0.014	0.408	25.956
rs7939241	met-c-925	11	114859696	A/G	0.207	0.207	0.011	0.013	0.386	27.220
rs10253861	met-c-925	7	8110475	G/A	0.522	0.478	0.011	0.010	0.274	27.117
rs34130665	met-c-925	2	215383374	C/T	0.577	0.423	0.011	0.010	0.314	19.976
rs2471325	met-c-925	4	3024044	C/T	0.621	0.379	0.011	0.011	0.324	28.131
rs3795944	met-c-925	2	23920545	A/G	0.434	0.434	0.011	0.010	0.308	23.117
rs11102404	met-c-925	1	112721915	G/A	0.335	0.335	0.011	0.011	0.343	30.153
rs7921305	met-c-925	10	133775196	G/A	0.766	0.234	0.010	0.012	0.425	33.811
rs76176628	met-c-925	19	36345767	T/C	0.946	0.054	0.010	0.026	0.714	27.617
rs9597573	met-c-925	13	58110178	T/C	0.599	0.401	0.010	0.010	0.356	20.845
rs7784688	met-c-925	7	32966042	T/C	0.439	0.439	0.009	0.010	0.377	20.112
rs2117028	met-c-925	12	49480948	G/A	0.475	0.475	0.009	0.012	0.456	26.102
rs3999544	met-c-925	6	26285867	C/T	0.359	0.359	0.009	0.011	0.404	25.749
rs9422753	met-c-925	10	126960137	T/C	0.776	0.224	0.009	0.012	0.483	28.369

rs150534	met-c-925	5	60503133	G/A	0.481	0.481	0.009	0.010	0.405	31.772
rs34118828	met-c-925	15	27026260	G/A	0.615	0.385	0.008	0.011	0.446	27.147
rs4883913	met-c-925	13	73145459	T/C	0.586	0.414	0.008	0.010	0.442	20.076
rs6057026	met-c-925	20	9904213	G/A	0.206	0.206	0.008	0.013	0.556	19.369
rs12756240	met-c-925	1	238433595	T/C	0.659	0.341	0.007	0.011	0.504	20.827
rs2631024	met-c-925	8	91995577	A/G	0.301	0.301	0.007	0.011	0.515	26.091
rs1472157	met-c-925	9	81788743	T/C	0.331	0.331	0.007	0.011	0.548	26.452
rs13322059	met-c-925	3	156310778	A/C	0.702	0.298	0.006	0.012	0.608	19.317
rs898751	met-c-925	17	2291863	C/T	0.469	0.469	0.006	0.010	0.571	27.171
rs281219	met-c-925	15	47711652	A/G	0.238	0.238	0.006	0.012	0.646	36.335
rs7626445	met-c-925	3	49114544	C/T	0.333	0.333	0.005	0.011	0.624	31.540
rs2915124	met-c-925	1	68688538	A/G	0.683	0.317	0.005	0.011	0.633	27.393
rs12137549	met-c-925	1	190872114	T/C	0.675	0.325	0.005	0.011	0.644	20.463
rs2710627	met-c-925	2	32758627	A/G	0.352	0.352	0.005	0.011	0.647	24.046
rs3785229	met-c-925	16	7670999	A/G	0.434	0.434	0.005	0.010	0.650	33.209
rs2121884	met-c-925	9	114638982	A/C	0.299	0.299	0.005	0.011	0.691	20.552
rs10986931	met-c-925	9	128564209	C/T	0.340	0.340	0.004	0.011	0.710	21.068
rs6882046	met-c-925	5	87968864	A/G	0.806	0.194	0.004	0.013	0.758	44.873
rs77403093	met-c-925	17	57220124	C/T	0.641	0.359	0.004	0.011	0.733	20.304
rs587978	met-c-925	11	105801770	C/T	0.507	0.493	0.003	0.010	0.753	24.834
rs7871511	met-c-925	9	5555160	A/C	0.832	0.168	0.002	0.014	0.877	20.800
rs16903000	met-c-925	5	13995236	T/C	0.685	0.315	0.002	0.011	0.863	23.843
rs4791393	met-c-925	17	7822466	C/T	0.943	0.057	0.002	0.025	0.944	20.255
rs2959495	met-c-925	18	62113144	C/A	0.511	0.489	0.002	0.010	0.883	21.467
rs1557341	met-c-925	18	35127427	A/C	0.279	0.279	0.001	0.012	0.911	22.613
rs76157199	met-c-925	2	98541874	A/G	0.981	0.019	0.000	0.041	0.999	20.162
rs62180989	met-c-925	2	191271244	C/T	0.647	0.353	-0.001	0.011	0.958	27.421
rs35287743	met-c-925	12	110057250	G/T	0.903	0.097	-0.001	0.018	0.965	32.211
rs880597	met-c-925	9	102168293	C/T	0.758	0.242	-0.001	0.012	0.935	24.234
rs35996140	met-c-925	3	68521478	C/A	0.756	0.244	-0.001	0.012	0.928	20.333
rs13064450	met-c-925	3	21077708	G/A	0.613	0.387	-0.001	0.011	0.915	25.194
rs1039720	met-c-925	18	73758482	G/A	0.212	0.212	-0.001	0.013	0.915	24.402
rs62366395	met-c-925	5	104370644	G/A	0.958	0.042	-0.002	0.027	0.953	21.288

rs11128045	met-c-925	3	88498034	T/C	0.569	0.431	-0.003	0.010	0.811	20.977
rs13248299	met-c-925	8	106306761	C/T	0.491	0.491	-0.003	0.010	0.796	20.653
rs10865037	met-c-925	2	100871361	T/C	0.592	0.408	-0.004	0.010	0.741	19.723
rs11018771	met-c-925	11	89488562	T/C	0.705	0.295	-0.004	0.013	0.791	22.745
rs2694633	met-c-925	2	61540642	A/C	0.352	0.352	-0.004	0.011	0.688	24.389
rs6430204	met-c-925	2	148343718	C/T	0.586	0.414	-0.006	0.011	0.612	27.909
rs10168768	met-c-925	2	137484713	G/T	0.447	0.447	-0.006	0.010	0.562	23.198
rs9352784	met-c-925	6	80604130	G/A	0.883	0.117	-0.006	0.016	0.699	20.774
rs12434775	met-c-925	14	69524809	G/A	0.666	0.334	-0.007	0.011	0.552	22.177
rs151150389	met-c-925	8	28897171	T/C	0.976	0.024	-0.007	0.034	0.833	24.179
rs1346075	met-c-925	4	68028922	T/G	0.548	0.452	-0.008	0.010	0.469	20.095
rs35069754	met-c-925	5	2295044	A/G	0.867	0.133	-0.008	0.015	0.617	22.132
rs61817482	met-c-925	1	204570347	G/A	0.766	0.234	-0.008	0.012	0.516	25.528
rs6978112	met-c-925	7	1966841	C/T	0.611	0.389	-0.009	0.011	0.424	38.200
rs10977243	met-c-925	9	8672042	A/G	0.936	0.064	-0.009	0.022	0.696	19.735
rs4407278	met-c-925	2	648607	C/T	0.323	0.323	-0.009	0.012	0.466	28.999
rs9847830	met-c-925	3	100861030	A/C	0.866	0.134	-0.009	0.015	0.536	19.773
rs62525716	met-c-925	8	130056308	C/T	0.922	0.078	-0.010	0.019	0.609	21.025
rs11692083	met-c-925	2	59212187	G/A	0.456	0.456	-0.011	0.011	0.291	35.281
rs696815	met-c-925	2	198688084	A/C	0.336	0.336	-0.012	0.011	0.297	24.826
rs11681451	met-c-925	2	225334104	T/C	0.686	0.314	-0.012	0.011	0.294	29.493
rs6767669	met-c-925	3	116599500	G/A	0.803	0.197	-0.012	0.013	0.392	26.575
rs114621346	met-c-925	1	159171474	G/A	0.981	0.019	-0.012	0.039	0.765	22.680
rs72880354	met-c-925	1	28683713	G/A	0.653	0.347	-0.012	0.011	0.285	19.834
rs4686704	met-c-925	3	185579020	A/G	0.578	0.422	-0.012	0.011	0.277	22.345
rs112060520	met-c-925	3	117671421	G/T	0.798	0.202	-0.012	0.013	0.363	22.751
rs12629217	met-c-925	3	143442254	C/T	0.725	0.275	-0.013	0.012	0.290	22.348
rs6014531	met-c-925	20	54403893	C/T	0.376	0.376	-0.013	0.011	0.218	19.824
rs11652858	met-c-925	17	46844996	C/T	0.694	0.306	-0.013	0.011	0.235	23.644
rs16890052	met-c-925	6	79184742	T/C	0.841	0.159	-0.014	0.014	0.336	20.464
rs12277713	met-c-925	11	133528521	T/C	0.469	0.469	-0.014	0.011	0.193	22.492
rs587806	met-c-925	11	119882908	T/C	0.108	0.108	-0.017	0.017	0.329	21.792
rs7562697	met-c-925	2	181918896	A/G	0.252	0.252	-0.017	0.012	0.146	20.513

rs745136	met-c-925	15	96899827	T/G	0.448	0.448	-0.018	0.011	0.103	23.065
rs34330406	met-c-925	2	180803486	C/T	0.985	0.015	-0.019	0.049	0.697	22.477
rs139954992	met-c-925	22	50992048	G/A	0.967	0.033	-0.019	0.032	0.548	19.970
rs2037711	met-c-925	13	85476417	C/A	0.658	0.342	-0.021	0.011	0.060	19.835
rs1819982	met-c-925	5	168614172	C/A	0.512	0.488	-0.021	0.010	0.048	20.776
rs60313989	met-c-925	8	132075266	G/A	0.606	0.394	-0.022	0.011	0.044	19.319
rs1421085	met-c-925	16	53800954	T/C	0.577	0.423	-0.023	0.010	0.030	84.782
rs739848	met-c-925	19	18809314	C/T	0.812	0.188	-0.024	0.013	0.081	24.970
rs66922415	met-c-925	18	57848651	A/G	0.815	0.185	-0.024	0.013	0.074	40.296
rs13012149	met-c-925	2	122611171	G/A	0.436	0.436	-0.024	0.011	0.024	20.169
rs6780833	met-c-925	3	137067993	G/A	0.640	0.360	-0.025	0.011	0.021	29.645
rs35164264	met-c-925	17	41150021	A/G	0.958	0.042	-0.025	0.031	0.428	22.391
rs115005266	met-c-925	6	24249780	C/T	0.991	0.009	-0.033	0.062	0.595	19.475
rs72913870	met-c-925	3	89047588	G/A	0.920	0.080	-0.036	0.020	0.074	33.155
rs150978694	met-c-925	16	26515201	C/T	0.983	0.017	-0.038	0.041	0.369	21.246
rs2425052	met-c-925	20	33880729	A/C	0.530	0.470	-0.038	0.011	0.000	25.907
rs2417261	met-c-925	12	13414139	T/G	0.163	0.163	-0.040	0.014	0.005	20.203
rs117794620	met-c-925	17	28991182	A/G	0.977	0.023	-0.044	0.041	0.286	23.071
rs13147599	met-c-925	4	93784286	A/G	0.964	0.036	-0.052	0.028	0.066	21.293
rs11641525	met-c-925	16	89691310	G/A	0.966	0.034	-0.074	0.038	0.055	24.345
rs11641525	met-c-937	16	89691310	G/A	0.967	0.033	0.071	0.046	0.120	24.345
rs34330406	met-c-937	2	180803486	C/T	0.983	0.017	0.050	0.055	0.363	22.477
rs62366395	met-c-937	5	104370644	G/A	0.959	0.041	0.037	0.033	0.260	21.288
rs72734517	met-c-937	15	76101535	C/T	0.962	0.038	0.036	0.036	0.322	19.561
rs11882956	met-c-937	19	5900470	G/A	0.960	0.040	0.035	0.034	0.299	21.213
rs151150389	met-c-937	8	28897171	T/C	0.975	0.025	0.034	0.040	0.387	24.179
rs10977243	met-c-937	9	8672042	A/G	0.935	0.065	0.033	0.026	0.209	19.735
rs112423942	met-c-937	4	189790022	C/T	0.954	0.046	0.030	0.032	0.353	21.867
rs2491244	met-c-937	13	28599914	G/A	0.424	0.424	0.028	0.013	0.025	28.163
rs4883913	met-c-937	13	73145459	T/C	0.579	0.421	0.028	0.012	0.025	20.076
rs3795944	met-c-937	2	23920545	A/G	0.443	0.443	0.023	0.012	0.066	23.117
rs1039720	met-c-937	18	73758482	G/A	0.208	0.208	0.022	0.015	0.143	24.402
rs11227478	met-c-937	11	66173400	G/A	0.807	0.193	0.021	0.016	0.172	30.390

rs2292239	met-c-937	12	56482180	T/G	0.298	0.298	0.021	0.014	0.123	29.926
rs880597	met-c-937	9	102168293	C/T	0.758	0.242	0.021	0.014	0.151	24.234
rs4762172	met-c-937	12	95493912	T/C	0.932	0.068	0.021	0.024	0.399	24.668
rs587978	met-c-937	11	105801770	C/T	0.505	0.495	0.019	0.012	0.116	24.834
rs4698920	met-c-937	4	105379055	G/A	0.382	0.382	0.019	0.013	0.138	29.668
rs34130665	met-c-937	2	215383374	C/T	0.584	0.416	0.017	0.012	0.175	19.976
rs4655090	met-c-937	1	23011945	C/T	0.749	0.251	0.017	0.015	0.250	21.955
rs9847830	met-c-937	3	100861030	A/C	0.869	0.131	0.016	0.018	0.365	19.773
rs10253861	met-c-937	7	8110475	G/A	0.523	0.477	0.015	0.012	0.217	27.117
rs60795232	met-c-937	2	236680476	A/G	0.727	0.273	0.015	0.014	0.270	29.572
rs7562697	met-c-937	2	181918896	A/G	0.256	0.256	0.015	0.014	0.287	20.513
rs10889706	met-c-937	1	41350787	A/C	0.631	0.369	0.014	0.013	0.282	24.317
rs7626445	met-c-937	3	49114544	C/T	0.333	0.333	0.014	0.013	0.297	31.540
rs2631024	met-c-937	8	91995577	A/G	0.308	0.308	0.013	0.013	0.327	26.091
rs62525716	met-c-937	8	130056308	C/T	0.921	0.079	0.012	0.023	0.606	21.025
rs2959495	met-c-937	18	62113144	C/A	0.504	0.496	0.012	0.012	0.343	21.467
rs10168768	met-c-937	2	137484713	G/T	0.447	0.447	0.012	0.012	0.353	23.198
rs77403093	met-c-937	17	57220124	C/T	0.652	0.348	0.011	0.013	0.386	20.304
rs1308512	met-c-937	9	87279298	A/G	0.238	0.238	0.011	0.015	0.480	26.174
rs335352	met-c-937	6	155623709	G/A	0.347	0.347	0.010	0.013	0.434	21.453
rs7939241	met-c-937	11	114859696	A/G	0.207	0.207	0.010	0.015	0.515	27.220
rs2117028	met-c-937	12	49480948	G/A	0.478	0.478	0.009	0.013	0.484	26.102
rs7784688	met-c-937	7	32966042	T/C	0.446	0.446	0.009	0.012	0.476	20.112
rs7871511	met-c-937	9	5555160	A/C	0.839	0.161	0.009	0.017	0.612	20.800
rs9422753	met-c-937	10	126960137	T/C	0.772	0.228	0.009	0.015	0.551	28.369
rs11251692	met-c-937	10	364707	C/T	0.874	0.126	0.008	0.019	0.662	21.753
rs12137549	met-c-937	1	190872114	T/C	0.671	0.329	0.008	0.013	0.537	20.463
rs3785229	met-c-937	16	7670999	A/G	0.433	0.433	0.007	0.012	0.559	33.209
rs1788823	met-c-937	18	21114917	A/G	0.350	0.350	0.007	0.013	0.606	33.261
rs1819982	met-c-937	5	168614172	C/A	0.514	0.486	0.006	0.012	0.605	20.776
rs112060520	met-c-937	3	117671421	G/T	0.799	0.201	0.006	0.015	0.678	22.751
rs2121884	met-c-937	9	114638982	A/C	0.297	0.297	0.006	0.013	0.640	20.552
rs139954992	met-c-937	22	50992048	G/A	0.968	0.032	0.006	0.038	0.876	19.970

rs79416180	met-c-937	7	136623471	C/T	0.881	0.119	0.006	0.019	0.763	19.640
rs1557341	met-c-937	18	35127427	A/C	0.281	0.281	0.006	0.014	0.681	22.613
rs6057026	met-c-937	20	9904213	G/A	0.207	0.207	0.005	0.015	0.727	19.369
rs2694633	met-c-937	2	61540642	A/C	0.361	0.361	0.005	0.013	0.679	24.389
rs34118828	met-c-937	15	27026260	G/A	0.616	0.384	0.005	0.013	0.686	27.147
rs4407278	met-c-937	2	648607	C/T	0.331	0.331	0.005	0.015	0.724	28.999
rs11102404	met-c-937	1	112721915	G/A	0.332	0.332	0.005	0.013	0.714	30.153
rs3999544	met-c-937	6	26285867	C/T	0.354	0.354	0.004	0.013	0.769	25.749
rs10986931	met-c-937	9	128564209	C/T	0.346	0.346	0.004	0.013	0.788	21.068
rs76176628	met-c-937	19	36345767	T/C	0.946	0.054	0.003	0.032	0.921	27.617
rs6882046	met-c-937	5	87968864	A/G	0.808	0.192	0.003	0.016	0.869	44.873
rs10865037	met-c-937	2	100871361	T/C	0.589	0.411	0.002	0.012	0.878	19.723
rs16890052	met-c-937	6	79184742	T/C	0.848	0.152	0.000	0.017	0.989	20.464
rs8008842	met-c-937	14	41300060	A/G	0.549	0.451	0.000	0.012	0.992	21.593
rs961936	met-c-937	11	29778265	A/G	0.570	0.430	0.000	0.012	0.981	20.706
rs1346075	met-c-937	4	68028922	T/G	0.545	0.455	-0.001	0.012	0.948	20.095
rs72843234	met-c-937	2	134435162	T/C	0.979	0.021	-0.002	0.043	0.971	20.015
rs1421085	met-c-937	16	53800954	T/C	0.585	0.415	-0.002	0.012	0.874	84.782
rs150534	met-c-937	5	60503133	G/A	0.478	0.478	-0.002	0.012	0.847	31.772
rs552334	met-c-937	11	95595694	T/C	0.484	0.484	-0.003	0.013	0.819	30.927
rs13248299	met-c-937	8	106306761	C/T	0.479	0.479	-0.004	0.012	0.771	20.653
rs2660338	met-c-937	4	41982707	A/C	0.191	0.191	-0.004	0.017	0.820	25.956
rs1472157	met-c-937	9	81788743	T/C	0.328	0.328	-0.004	0.013	0.770	26.452
rs13053329	met-c-937	22	31502732	A/G	0.577	0.423	-0.004	0.012	0.748	20.342
rs11128045	met-c-937	3	88498034	T/C	0.567	0.433	-0.004	0.012	0.746	20.977
rs2915124	met-c-937	1	68688538	A/G	0.679	0.321	-0.004	0.013	0.738	27.393
rs11652858	met-c-937	17	46844996	C/T	0.697	0.303	-0.005	0.013	0.735	23.644
rs696815	met-c-937	2	198688084	A/C	0.335	0.335	-0.005	0.013	0.722	24.826
rs2710627	met-c-937	2	32758627	A/G	0.341	0.341	-0.005	0.013	0.703	24.046
rs13322059	met-c-937	3	156310778	A/C	0.699	0.301	-0.005	0.014	0.727	19.317
rs12434775	met-c-937	14	69524809	G/A	0.669	0.331	-0.005	0.013	0.681	22.177
rs35996140	met-c-937	3	68521478	C/A	0.758	0.242	-0.006	0.014	0.699	20.333
rs6430204	met-c-937	2	148343718	C/T	0.576	0.424	-0.007	0.013	0.620	27.909

rs2471325	met-c-937	4	3024044	C/T	0.618	0.382	-0.007	0.013	0.590	28.131
rs9352784	met-c-937	6	80604130	G/A	0.885	0.115	-0.007	0.019	0.713	20.774
rs16903000	met-c-937	5	13995236	T/C	0.686	0.314	-0.008	0.013	0.572	23.843
rs60313989	met-c-937	8	132075266	G/A	0.609	0.391	-0.008	0.013	0.543	19.319
rs587806	met-c-937	11	119882908	T/C	0.102	0.102	-0.008	0.021	0.707	21.792
rs898751	met-c-937	17	2291863	C/T	0.465	0.465	-0.008	0.012	0.505	27.171
rs13064450	met-c-937	3	21077708	G/A	0.617	0.383	-0.009	0.013	0.502	25.194
rs7921305	met-c-937	10	133775196	G/A	0.767	0.233	-0.009	0.015	0.559	33.811
rs12756240	met-c-937	1	238433595	T/C	0.645	0.355	-0.009	0.013	0.484	20.827
rs6767669	met-c-937	3	116599500	G/A	0.802	0.198	-0.009	0.016	0.563	26.575
rs4791393	met-c-937	17	7822466	C/T	0.941	0.059	-0.010	0.029	0.729	20.255
rs11018771	met-c-937	11	89488562	T/C	0.713	0.287	-0.010	0.016	0.524	22.745
rs11681451	met-c-937	2	225334104	T/C	0.692	0.308	-0.011	0.013	0.399	29.493
rs66922415	met-c-937	18	57848651	A/G	0.811	0.189	-0.011	0.016	0.470	40.296
rs6978112	met-c-937	7	1966841	C/T	0.611	0.389	-0.012	0.013	0.363	38.200
rs4686704	met-c-937	3	185579020	A/G	0.573	0.427	-0.012	0.013	0.355	22.345
rs739848	met-c-937	19	18809314	C/T	0.811	0.189	-0.012	0.016	0.437	24.970
rs62180989	met-c-937	2	191271244	C/T	0.651	0.349	-0.013	0.013	0.329	27.421
rs12629217	met-c-937	3	143442254	C/T	0.725	0.275	-0.013	0.014	0.368	22.348
rs35287743	met-c-937	12	110057250	G/T	0.911	0.089	-0.013	0.022	0.551	32.211
rs9597573	met-c-937	13	58110178	T/C	0.605	0.395	-0.013	0.012	0.288	20.845
rs35069754	met-c-937	5	2295044	A/G	0.866	0.134	-0.013	0.018	0.468	22.132
rs76157199	met-c-937	2	98541874	A/G	0.980	0.020	-0.013	0.048	0.782	20.162
rs6780833	met-c-937	3	137067993	G/A	0.642	0.358	-0.014	0.013	0.282	29.645
rs35164264	met-c-937	17	41150021	A/G	0.957	0.043	-0.015	0.037	0.695	22.391
rs13012149	met-c-937	2	122611171	G/A	0.442	0.442	-0.016	0.013	0.211	20.169
rs72913870	met-c-937	3	89047588	G/A	0.920	0.080	-0.016	0.023	0.498	33.155
rs2425052	met-c-937	20	33880729	A/C	0.530	0.470	-0.016	0.013	0.199	25.907
rs11692083	met-c-937	2	59212187	G/A	0.448	0.448	-0.018	0.013	0.153	35.281
rs61817482	met-c-937	1	204570347	G/A	0.770	0.230	-0.019	0.015	0.203	25.528
rs2417261	met-c-937	12	13414139	T/G	0.163	0.163	-0.020	0.017	0.234	20.203
rs281219	met-c-937	15	47711652	A/G	0.229	0.229	-0.020	0.015	0.170	36.335
rs2037711	met-c-937	13	85476417	C/A	0.660	0.340	-0.021	0.013	0.103	19.835

rs13147599	met-c-937	4	93784286	A/G	0.963	0.037	-0.022	0.033	0.504	21.293
rs114621346	met-c-937	1	159171474	G/A	0.982	0.018	-0.022	0.049	0.650	22.680
rs72880354	met-c-937	1	28683713	G/A	0.654	0.346	-0.022	0.013	0.088	19.834
rs12277713	met-c-937	11	133528521	T/C	0.465	0.465	-0.023	0.013	0.066	22.492
rs117875805	met-c-937	7	53786445	T/C	0.952	0.048	-0.026	0.031	0.406	21.403
rs150978694	met-c-937	16	26515201	C/T	0.983	0.017	-0.026	0.049	0.595	21.246
rs745136	met-c-937	15	96899827	T/G	0.430	0.430	-0.028	0.013	0.028	23.065
rs150262359	met-c-937	16	29006757	G/A	0.935	0.065	-0.035	0.030	0.246	21.395
rs6014531	met-c-937	20	54403893	C/T	0.383	0.383	-0.036	0.013	0.005	19.824
rs115005266	met-c-937	6	24249780	C/T	0.992	0.008	-0.066	0.075	0.383	19.475
rs117764493	met-c-937	13	102131922	T/G	0.981	0.019	-0.090	0.050	0.074	20.480
rs117794620	met-c-937	17	28991182	A/G	0.976	0.024	-0.092	0.048	0.058	23.071
rs151150389	met-c-950	8	28897171	T/C	0.976	0.024	0.069	0.034	0.046	24.179
rs112423942	met-c-950	4	189790022	C/T	0.955	0.045	0.051	0.028	0.072	21.867
rs115005266	met-c-950	6	24249780	C/T	0.991	0.009	0.047	0.062	0.452	19.475
rs4762172	met-c-950	12	95493912	T/C	0.931	0.069	0.033	0.020	0.112	24.668
rs1557341	met-c-950	18	35127427	A/C	0.279	0.279	0.029	0.012	0.012	22.613
rs335352	met-c-950	6	155623709	G/A	0.342	0.342	0.028	0.011	0.012	21.453
rs11882956	met-c-950	19	5900470	G/A	0.957	0.043	0.028	0.031	0.369	21.213
rs11251692	met-c-950	10	364707	C/T	0.875	0.125	0.026	0.016	0.104	21.753
rs2491244	met-c-950	13	28599914	G/A	0.434	0.434	0.022	0.011	0.036	28.163
rs2631024	met-c-950	8	91995577	A/G	0.300	0.300	0.020	0.011	0.078	26.091
rs13053329	met-c-950	22	31502732	A/G	0.586	0.414	0.019	0.010	0.069	20.342
rs9847830	met-c-950	3	100861030	A/C	0.866	0.134	0.019	0.015	0.212	19.773
rs11018771	met-c-950	11	89488562	T/C	0.704	0.296	0.019	0.013	0.164	22.745
rs961936	met-c-950	11	29778265	A/G	0.572	0.428	0.018	0.010	0.082	20.706
rs77403093	met-c-950	17	57220124	C/T	0.642	0.358	0.017	0.011	0.117	20.304
rs60795232	met-c-950	2	236680476	A/G	0.730	0.270	0.017	0.012	0.143	29.572
rs4698920	met-c-950	4	105379055	G/A	0.384	0.384	0.017	0.011	0.127	29.668
rs1788823	met-c-950	18	21114917	A/G	0.345	0.345	0.017	0.011	0.130	33.261
rs3999544	met-c-950	6	26285867	C/T	0.359	0.359	0.017	0.011	0.126	25.749
rs2121884	met-c-950	9	114638982	A/C	0.299	0.299	0.016	0.011	0.161	20.552
rs4883913	met-c-950	13	73145459	T/C	0.586	0.414	0.015	0.010	0.164	20.076

rs3795944	met-c-950	2	23920545	A/G	0.434	0.434	0.013	0.010	0.212	23.117
rs6057026	met-c-950	20	9904213	G/A	0.205	0.205	0.013	0.013	0.318	19.369
rs11102404	met-c-950	1	112721915	G/A	0.335	0.335	0.013	0.011	0.244	30.153
rs10889706	met-c-950	1	41350787	A/C	0.637	0.363	0.012	0.011	0.268	24.317
rs1472157	met-c-950	9	81788743	T/C	0.332	0.332	0.012	0.011	0.313	26.452
rs13248299	met-c-950	8	106306761	C/T	0.491	0.491	0.011	0.010	0.294	20.653
rs7871511	met-c-950	9	5555160	A/C	0.833	0.167	0.011	0.014	0.453	20.800
rs6978112	met-c-950	7	1966841	C/T	0.612	0.388	0.010	0.011	0.363	38.200
rs79416180	met-c-950	7	136623471	C/T	0.878	0.122	0.009	0.016	0.559	19.640
rs2292239	met-c-950	12	56482180	T/G	0.296	0.296	0.009	0.012	0.420	29.926
rs76176628	met-c-950	19	36345767	T/C	0.947	0.053	0.009	0.030	0.766	27.617
rs587978	met-c-950	11	105801770	C/T	0.508	0.492	0.008	0.010	0.428	24.834
rs6014531	met-c-950	20	54403893	C/T	0.375	0.375	0.008	0.011	0.465	19.824
rs10253861	met-c-950	7	8110475	G/A	0.521	0.479	0.008	0.010	0.444	27.117
rs34130665	met-c-950	2	215383374	C/T	0.578	0.422	0.008	0.011	0.457	19.976
rs6882046	met-c-950	5	87968864	A/G	0.805	0.195	0.008	0.013	0.570	44.873
rs9597573	met-c-950	13	58110178	T/C	0.599	0.401	0.007	0.010	0.533	20.845
rs34118828	met-c-950	15	27026260	G/A	0.615	0.385	0.007	0.011	0.548	27.147
rs7626445	met-c-950	3	49114544	C/T	0.333	0.333	0.006	0.011	0.591	31.540
rs2694633	met-c-950	2	61540642	A/C	0.351	0.351	0.006	0.011	0.585	24.389
rs281219	met-c-950	15	47711652	A/G	0.238	0.238	0.006	0.012	0.641	36.335
rs4655090	met-c-950	1	23011945	C/T	0.751	0.249	0.006	0.012	0.648	21.955
rs72734517	met-c-950	15	76101535	C/T	0.964	0.036	0.006	0.032	0.862	19.561
rs2660338	met-c-950	4	41982707	A/C	0.195	0.195	0.005	0.014	0.723	25.956
rs62525716	met-c-950	8	130056308	C/T	0.922	0.078	0.005	0.019	0.814	21.025
rs11128045	met-c-950	3	88498034	T/C	0.569	0.431	0.004	0.010	0.714	20.977
rs114621346	met-c-950	1	159171474	G/A	0.981	0.019	0.004	0.039	0.926	22.680
rs2959495	met-c-950	18	62113144	C/A	0.512	0.488	0.003	0.010	0.742	21.467
rs1346075	met-c-950	4	68028922	T/G	0.548	0.452	0.003	0.010	0.752	20.095
rs12277713	met-c-950	11	133528521	T/C	0.469	0.469	0.003	0.011	0.758	22.492
rs10168768	met-c-950	2	137484713	G/T	0.446	0.446	0.003	0.010	0.765	23.198
rs552334	met-c-950	11	95595694	T/C	0.481	0.481	0.003	0.011	0.788	30.927
rs2037711	met-c-950	13	85476417	C/A	0.658	0.342	0.002	0.011	0.847	19.835

rs2471325	met-c-950	4	3024044	C/T	0.621	0.379	0.002	0.011	0.856	28.131
rs7562697	met-c-950	2	181918896	A/G	0.252	0.252	0.001	0.012	0.916	20.513
rs7784688	met-c-950	7	32966042	T/C	0.439	0.439	0.001	0.011	0.913	20.112
rs139954992	met-c-950	22	50992048	G/A	0.967	0.033	0.001	0.032	0.979	19.970
rs1308512	met-c-950	9	87279298	A/G	0.238	0.238	0.001	0.013	0.956	26.174
rs2915124	met-c-950	1	68688538	A/G	0.684	0.316	0.000	0.011	0.965	27.393
rs4791393	met-c-950	17	7822466	C/T	0.943	0.057	-0.001	0.025	0.978	20.255
rs3785229	met-c-950	16	7670999	A/G	0.434	0.434	-0.001	0.010	0.934	33.209
rs10865037	met-c-950	2	100871361	T/C	0.592	0.408	-0.001	0.010	0.934	19.723
rs9352784	met-c-950	6	80604130	G/A	0.882	0.118	-0.001	0.016	0.956	20.774
rs62180989	met-c-950	2	191271244	C/T	0.647	0.353	-0.001	0.011	0.929	27.421
rs16890052	met-c-950	6	79184742	T/C	0.841	0.159	-0.002	0.014	0.914	20.464
rs7921305	met-c-950	10	133775196	G/A	0.767	0.233	-0.002	0.013	0.898	33.811
rs11652858	met-c-950	17	46844996	C/T	0.693	0.307	-0.002	0.011	0.849	23.644
rs13064450	met-c-950	3	21077708	G/A	0.612	0.388	-0.002	0.011	0.834	25.194
rs35287743	met-c-950	12	110057250	G/T	0.903	0.097	-0.003	0.018	0.887	32.211
rs10986931	met-c-950	9	128564209	C/T	0.340	0.340	-0.003	0.011	0.819	21.068
rs13147599	met-c-950	4	93784286	A/G	0.964	0.036	-0.003	0.029	0.911	21.293
rs898751	met-c-950	17	2291863	C/T	0.469	0.469	-0.004	0.011	0.703	27.171
rs76157199	met-c-950	2	98541874	A/G	0.981	0.019	-0.004	0.041	0.920	20.162
rs8008842	met-c-950	14	41300060	A/G	0.558	0.442	-0.004	0.010	0.692	21.593
rs35996140	met-c-950	3	68521478	C/A	0.756	0.244	-0.004	0.012	0.728	20.333
rs13012149	met-c-950	2	122611171	G/A	0.436	0.436	-0.005	0.011	0.675	20.169
rs13322059	met-c-950	3	156310778	A/C	0.703	0.297	-0.005	0.012	0.709	19.317
rs880597	met-c-950	9	102168293	C/T	0.758	0.242	-0.005	0.012	0.702	24.234
rs12137549	met-c-950	1	190872114	T/C	0.676	0.324	-0.005	0.011	0.662	20.463
rs150262359	met-c-950	16	29006757	G/A	0.936	0.064	-0.005	0.026	0.851	21.395
rs12756240	met-c-950	1	238433595	T/C	0.660	0.340	-0.005	0.011	0.654	20.827
rs16903000	met-c-950	5	13995236	T/C	0.685	0.315	-0.005	0.011	0.656	23.843
rs10977243	met-c-950	9	8672042	A/G	0.936	0.064	-0.006	0.023	0.782	19.735
rs2117028	met-c-950	12	49480948	G/A	0.475	0.475	-0.007	0.012	0.598	26.102
rs4686704	met-c-950	3	185579020	A/G	0.578	0.422	-0.007	0.011	0.543	22.345
rs12629217	met-c-950	3	143442254	C/T	0.725	0.275	-0.007	0.012	0.537	22.348

rs1819982	met-c-950	5	168614172	C/A	0.511	0.489	-0.008	0.011	0.469	20.776
rs696815	met-c-950	2	198688084	A/C	0.336	0.336	-0.008	0.011	0.447	24.826
rs11681451	met-c-950	2	225334104	T/C	0.686	0.314	-0.009	0.011	0.422	29.493
rs7939241	met-c-950	11	114859696	A/G	0.206	0.206	-0.009	0.013	0.497	27.220
rs35069754	met-c-950	5	2295044	A/G	0.867	0.133	-0.011	0.015	0.484	22.132
rs60313989	met-c-950	8	132075266	G/A	0.606	0.394	-0.011	0.011	0.323	19.319
rs9422753	met-c-950	10	126960137	T/C	0.773	0.227	-0.011	0.012	0.373	28.369
rs11692083	met-c-950	2	59212187	G/A	0.456	0.456	-0.011	0.011	0.301	35.281
rs11227478	met-c-950	11	66173400	G/A	0.801	0.199	-0.011	0.013	0.387	30.390
rs4407278	met-c-950	2	648607	C/T	0.323	0.323	-0.013	0.012	0.300	28.999
rs72913870	met-c-950	3	89047588	G/A	0.920	0.080	-0.013	0.020	0.516	33.155
rs150534	met-c-950	5	60503133	G/A	0.482	0.482	-0.013	0.011	0.212	31.772
rs62366395	met-c-950	5	104370644	G/A	0.958	0.042	-0.014	0.028	0.615	21.288
rs739848	met-c-950	19	18809314	C/T	0.813	0.187	-0.014	0.015	0.344	24.970
rs112060520	met-c-950	3	117671421	G/T	0.798	0.202	-0.015	0.013	0.263	22.751
rs2710627	met-c-950	2	32758627	A/G	0.352	0.352	-0.015	0.011	0.165	24.046
rs34330406	met-c-950	2	180803486	C/T	0.986	0.014	-0.015	0.049	0.757	22.477
rs1039720	met-c-950	18	73758482	G/A	0.213	0.213	-0.016	0.013	0.214	24.402
rs72880354	met-c-950	1	28683713	G/A	0.653	0.347	-0.017	0.011	0.126	19.834
rs6780833	met-c-950	3	137067993	G/A	0.640	0.360	-0.017	0.011	0.112	29.645
rs61817482	met-c-950	1	204570347	G/A	0.766	0.234	-0.017	0.012	0.159	25.528
rs2425052	met-c-950	20	33880729	A/C	0.529	0.471	-0.019	0.011	0.074	25.907
rs2417261	met-c-950	12	13414139	T/G	0.164	0.164	-0.021	0.014	0.139	20.203
rs11641525	met-c-950	16	89691310	G/A	0.966	0.034	-0.022	0.038	0.574	24.345
rs745136	met-c-950	15	96899827	T/G	0.449	0.449	-0.022	0.011	0.044	23.065
rs587806	met-c-950	11	119882908	T/C	0.108	0.108	-0.022	0.017	0.209	21.792
rs6430204	met-c-950	2	148343718	C/T	0.586	0.414	-0.022	0.011	0.054	27.909
rs12434775	met-c-950	14	69524809	G/A	0.666	0.334	-0.023	0.011	0.033	22.177
rs1421085	met-c-950	16	53800954	T/C	0.577	0.423	-0.024	0.010	0.023	84.782
rs66922415	met-c-950	18	57848651	A/G	0.815	0.185	-0.024	0.013	0.071	40.296
rs117764493	met-c-950	13	102131922	T/G	0.982	0.018	-0.030	0.043	0.496	20.480
rs117794620	met-c-950	17	28991182	A/G	0.977	0.023	-0.030	0.041	0.469	23.071
rs72843234	met-c-950	2	134435162	T/C	0.979	0.021	-0.031	0.037	0.399	20.015

rs6767669	met-c-950	3	116599500	G/A	0.803	0.197	-0.034	0.014	0.014	26.575
rs35164264	met-c-950	17	41150021	A/G	0.958	0.042	-0.035	0.031	0.273	22.391
rs150978694	met-c-950	16	26515201	C/T	0.983	0.017	-0.044	0.042	0.292	21.246
rs79958999	met-c-950	13	40758670	G/A	0.994	0.006	-0.134	0.133	0.318	24.095

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rs78679681	Hydroxybutyrylcarnitine	3	143292353	G/A	0.027	0.027	0.059	0.045	0.192	21.800
rs17596955	Hydroxybutyrylcarnitine	15	92556154	A/G	0.070	0.070	0.038	0.029	0.191	19.368
rs1826347	Hydroxybutyrylcarnitine	3	49671654	A/C	0.514	0.486	0.034	0.015	0.022	21.623
rs11711620	Hydroxybutyrylcarnitine	3	114444572	A/C	0.170	0.170	0.033	0.020	0.095	23.329
rs4843613	Hydroxybutyrylcarnitine	16	87489698	T/C	0.822	0.178	0.031	0.019	0.105	23.731
rs13107325	Hydroxybutyrylcarnitine	4	103188709	C/T	0.073	0.073	0.029	0.029	0.308	41.306
rs6824540	Hydroxybutyrylcarnitine	4	180895676	G/A	0.199	0.199	0.028	0.018	0.132	20.862
rs7586014	Hydroxybutyrylcarnitine	2	30089909	G/A	0.160	0.160	0.024	0.021	0.238	22.721
rs2824408	Hydroxybutyrylcarnitine	21	19011631	A/C	0.188	0.188	0.022	0.019	0.250	21.136
rs28489386	Hydroxybutyrylcarnitine	8	20974664	A/G	0.067	0.067	0.021	0.029	0.466	20.883
rs4785216	Hydroxybutyrylcarnitine	16	50579394	T/C	0.237	0.237	0.021	0.018	0.243	20.320
rs8080518	Hydroxybutyrylcarnitine	17	45057481	T/C	0.420	0.420	0.020	0.015	0.191	25.326
rs6600140	Hydroxybutyrylcarnitine	16	1446883	A/C	0.901	0.099	0.019	0.025	0.433	19.381
rs35187352	Hydroxybutyrylcarnitine	12	132697766	T/G	0.601	0.399	0.019	0.016	0.225	21.418
rs71441133	Hydroxybutyrylcarnitine	2	41355596	G/A	0.058	0.058	0.018	0.032	0.567	23.953
rs71520517	Hydroxybutyrylcarnitine	8	144473554	G/A	0.120	0.120	0.016	0.024	0.514	24.279
rs4660303	Hydroxybutyrylcarnitine	1	40060473	G/A	0.228	0.228	0.015	0.017	0.391	20.594
rs16955848	Hydroxybutyrylcarnitine	18	50448235	C/T	0.085	0.085	0.015	0.026	0.578	19.980
rs139721227	Hydroxybutyrylcarnitine	2	56873160	C/A	0.031	0.031	0.014	0.043	0.739	20.274
rs6134143	Hydroxybutyrylcarnitine	20	1168774	T/C	0.360	0.360	0.014	0.018	0.423	22.594
rs117451379	Hydroxybutyrylcarnitine	7	102389213	C/T	0.071	0.071	0.014	0.030	0.642	20.605
rs2099740	Hydroxybutyrylcarnitine	1	112704129	T/C	0.469	0.469	0.014	0.016	0.383	20.890
rs6965619	Hydroxybutyrylcarnitine	7	12932728	A/C	0.737	0.264	0.014	0.017	0.402	24.746
rs12243061	Hydroxybutyrylcarnitine	10	78756815	T/C	0.359	0.359	0.013	0.016	0.408	21.437
rs6103023	Hydroxybutyrylcarnitine	20	35589095	T/C	0.534	0.466	0.013	0.015	0.389	19.629
rs62182099	Hydroxybutyrylcarnitine	2	240184882	C/T	0.063	0.063	0.012	0.030	0.682	28.106
rs360941	Hydroxybutyrylcarnitine	4	152855276	T/C	0.026	0.026	0.012	0.047	0.797	19.819
rs6491430	Hydroxybutyrylcarnitine	13	99178276	G/A	0.574	0.426	0.012	0.015	0.418	21.279

rs10828266	Hydroxybutyrylcarnitine	10	22098701	A/G	0.706	0.294	0.012	0.016	0.460	25.263
rs363096	Hydroxybutyrylcarnitine	4	3180021	T/C	0.568	0.432	0.012	0.015	0.425	32.386
rs4239593	Hydroxybutyrylcarnitine	19	55876747	C/T	0.066	0.066	0.012	0.031	0.702	19.541
rs4852285	Hydroxybutyrylcarnitine	2	72446753	A/G	0.325	0.325	0.012	0.016	0.451	26.523
rs7626945	Hydroxybutyrylcarnitine	3	82405757	T/C	0.240	0.240	0.011	0.017	0.507	23.539
rs17207890	Hydroxybutyrylcarnitine	11	95490754	G/A	0.343	0.343	0.011	0.016	0.500	34.607
rs329655	Hydroxybutyrylcarnitine	11	133850516	C/A	0.471	0.471	0.010	0.015	0.497	21.552
rs34833142	Hydroxybutyrylcarnitine	18	21075938	A/G	0.453	0.453	0.010	0.015	0.499	23.153
rs11762900	Hydroxybutyrylcarnitine	7	1265682	C/T	0.531	0.469	0.010	0.015	0.515	21.201
rs12070802	Hydroxybutyrylcarnitine	1	98438755	T/G	0.187	0.187	0.009	0.021	0.652	24.028
rs7932035	Hydroxybutyrylcarnitine	11	39620131	A/G	0.805	0.195	0.008	0.019	0.669	36.324
rs62587113	Hydroxybutyrylcarnitine	9	130986184	C/T	0.025	0.025	0.007	0.050	0.883	20.032
rs2294567	Hydroxybutyrylcarnitine	20	40101389	A/G	0.317	0.317	0.006	0.016	0.687	24.830
rs10514350	Hydroxybutyrylcarnitine	5	90903609	A/G	0.223	0.223	0.006	0.017	0.728	20.120
rs4681028	Hydroxybutyrylcarnitine	3	25628749	G/T	0.208	0.208	0.006	0.019	0.755	20.040
rs6805280	Hydroxybutyrylcarnitine	3	153151706	T/C	0.720	0.280	0.006	0.016	0.719	26.435
rs3943093	Hydroxybutyrylcarnitine	1	243458502	C/T	0.325	0.325	0.006	0.016	0.722	25.244
rs73093445	Hydroxybutyrylcarnitine	3	71542279	C/A	0.429	0.429	0.004	0.015	0.783	36.001
rs7806045	Hydroxybutyrylcarnitine	7	132610266	T/C	0.237	0.237	0.004	0.017	0.828	30.606
rs574918	Hydroxybutyrylcarnitine	12	40357647	A/G	0.831	0.169	0.003	0.020	0.887	26.443
rs113677935	Hydroxybutyrylcarnitine	6	92765831	G/A	0.045	0.045	0.003	0.035	0.943	20.193
rs356194	Hydroxybutyrylcarnitine	4	90685798	A/G	0.703	0.297	0.003	0.016	0.877	26.014
rs1548566	Hydroxybutyrylcarnitine	15	25755522	C/T	0.163	0.163	0.002	0.020	0.924	19.780
rs2805444	Hydroxybutyrylcarnitine	1	237691095	G/A	0.757	0.243	0.002	0.019	0.917	19.835
rs6731647	Hydroxybutyrylcarnitine	2	60704739	T/G	0.453	0.453	0.001	0.016	0.941	20.006
rs56128159	Hydroxybutyrylcarnitine	8	106336532	T/G	0.173	0.173	-0.002	0.020	0.937	19.730
rs997880	Hydroxybutyrylcarnitine	14	29848830	A/C	0.622	0.378	-0.002	0.015	0.909	24.180
rs12370683	Hydroxybutyrylcarnitine	12	74580266	T/C	0.199	0.199	-0.002	0.019	0.911	20.848
rs74987819	Hydroxybutyrylcarnitine	22	49599953	G/T	0.097	0.097	-0.002	0.025	0.929	21.338
rs571129804	Hydroxybutyrylcarnitine	2	50745784	T/C	0.130	0.130	-0.003	0.023	0.907	24.034
rs10065272	Hydroxybutyrylcarnitine	5	125372245	G/A	0.631	0.369	-0.003	0.015	0.833	23.927
rs78876823	Hydroxybutyrylcarnitine	5	26034698	C/T	0.363	0.363	-0.003	0.016	0.834	22.021
rs1990689	Hydroxybutyrylcarnitine	4	62918377	A/C	0.700	0.300	-0.005	0.016	0.768	20.409

rs2121289	Hydroxybutyrylcarnitine	13	69734044	A/C	0.872	0.128	-0.005	0.022	0.825	22.013
rs819571	Hydroxybutyrylcarnitine	5	72828213	C/T	0.134	0.134	-0.005	0.022	0.827	22.042
rs3908820	Hydroxybutyrylcarnitine	1	101072470	A/G	0.073	0.073	-0.006	0.028	0.832	22.223
rs1557341	Hydroxybutyrylcarnitine	18	35127427	A/C	0.651	0.349	-0.007	0.016	0.661	27.223
rs73050916	Hydroxybutyrylcarnitine	19	48984060	A/G	0.467	0.467	-0.007	0.015	0.632	21.173
rs1487446	Hydroxybutyrylcarnitine	6	98565212	C/T	0.520	0.480	-0.007	0.015	0.625	73.277
rs185123354	Hydroxybutyrylcarnitine	6	25853521	T/C	0.112	0.112	-0.007	0.030	0.807	22.634
rs2635727	Hydroxybutyrylcarnitine	6	50820940	T/C	0.747	0.253	-0.008	0.017	0.652	22.589
rs6981838	Hydroxybutyrylcarnitine	8	36820750	G/A	0.174	0.174	-0.008	0.020	0.674	21.430
rs13084427	Hydroxybutyrylcarnitine	3	160434610	T/C	0.288	0.288	-0.009	0.016	0.586	24.001
rs264343	Hydroxybutyrylcarnitine	5	139355252	C/T	0.230	0.230	-0.009	0.017	0.595	22.837
rs12447542	Hydroxybutyrylcarnitine	16	7744180	G/A	0.125	0.125	-0.009	0.023	0.685	23.421
rs8044030	Hydroxybutyrylcarnitine	16	30927990	G/A	0.386	0.386	-0.009	0.015	0.535	23.530
rs7613360	Hydroxybutyrylcarnitine	3	49916710	C/T	0.388	0.388	-0.010	0.015	0.499	46.096
rs62167901	Hydroxybutyrylcarnitine	2	142271919	G/A	0.115	0.115	-0.010	0.023	0.659	28.715
rs41298344	Hydroxybutyrylcarnitine	20	62294045	C/A	0.050	0.050	-0.012	0.035	0.739	22.888
rs530688	Hydroxybutyrylcarnitine	11	78543856	T/C	0.391	0.391	-0.013	0.015	0.395	23.760
rs34967803	Hydroxybutyrylcarnitine	7	71109777	A/G	0.056	0.056	-0.013	0.033	0.686	22.885
rs6868457	Hydroxybutyrylcarnitine	5	60550041	T/C	0.477	0.477	-0.015	0.015	0.317	22.316
rs2571009	Hydroxybutyrylcarnitine	18	44650279	A/G	0.471	0.471	-0.015	0.015	0.317	20.139
rs2820311	Hydroxybutyrylcarnitine	1	201841476	A/G	0.326	0.326	-0.015	0.016	0.343	22.310
rs1241781	Hydroxybutyrylcarnitine	14	42287845	C/A	0.505	0.495	-0.015	0.016	0.324	25.960
rs10756793	Hydroxybutyrylcarnitine	9	16726169	G/A	0.744	0.256	-0.016	0.017	0.345	26.884
rs997652	Hydroxybutyrylcarnitine	17	63914365	G/T	0.398	0.398	-0.017	0.015	0.274	22.579
rs514070	Hydroxybutyrylcarnitine	1	88718155	G/A	0.216	0.216	-0.018	0.018	0.307	20.039
rs6676084	Hydroxybutyrylcarnitine	1	197094030	C/T	0.315	0.315	-0.018	0.016	0.249	20.738
rs4667812	Hydroxybutyrylcarnitine	2	166254401	T/G	0.239	0.239	-0.020	0.017	0.249	35.108
rs56187641	Hydroxybutyrylcarnitine	5	50137152	A/G	0.141	0.141	-0.021	0.021	0.325	19.742
rs10129747	Hydroxybutyrylcarnitine	14	77433198	A/G	0.527	0.473	-0.022	0.015	0.148	34.422
rs17149920	Hydroxybutyrylcarnitine	7	77837131	A/C	0.136	0.136	-0.022	0.022	0.307	20.204
rs3764002	Hydroxybutyrylcarnitine	12	108618630	C/T	0.259	0.259	-0.023	0.017	0.165	24.510
rs2628041	Hydroxybutyrylcarnitine	1	244439691	A/G	0.978	0.022	-0.025	0.064	0.700	21.990
rs3858030	Hydroxybutyrylcarnitine	9	1788498	T/C	0.753	0.247	-0.025	0.017	0.147	22.386

rs3757323	Hydroxybutyrylcarnitine	6	152202007	T/C	0.639	0.361	-0.025	0.015	0.104	21.261
rs75838475	Hydroxybutyrylcarnitine	2	146177061	C/T	0.134	0.134	-0.030	0.022	0.167	19.664
rs17824247	Hydroxybutyrylcarnitine	2	144152539	T/C	0.413	0.413	-0.037	0.015	0.013	30.205
rs373729300	Hydroxybutyrylcarnitine	12	80877090	A/G	0.144	0.144	-0.038	0.024	0.109	23.978
rs117568533	Hydroxybutyrylcarnitine	17	41317598	C/T	0.041	0.041	-0.038	0.038	0.310	21.930
rs78631379	Hydroxybutyrylcarnitine	8	65630877	A/G	0.036	0.036	-0.057	0.043	0.187	20.217
rs144783397	Hydroxybutyrylcarnitine	2	118141626	G/A	0.024	0.024	-0.068	0.048	0.153	21.243
rs79774233	Hydroxybutyrylcarnitine	6	146035571	G/A	0.029	0.029	-0.076	0.044	0.081	22.804
rs144783397	PC aa C24:0	2	118141626	G/A	0.024	0.024	0.071	0.048	0.136	21.243
rs139721227	PC aa C24:0	2	56873160	C/A	0.031	0.031	0.053	0.043	0.217	20.274
rs78631379	PC aa C24:0	8	65630877	A/G	0.036	0.036	0.050	0.044	0.253	20.217
rs4239593	PC aa C24:0	19	55876747	C/T	0.066	0.066	0.046	0.031	0.138	19.541
rs79774233	PC aa C24:0	6	146035571	G/A	0.029	0.029	0.035	0.044	0.422	22.804
rs1990689	PC aa C24:0	4	62918377	A/C	0.700	0.300	0.031	0.016	0.052	20.409
rs6103023	PC aa C24:0	20	35589095	T/C	0.534	0.466	0.031	0.015	0.035	19.629
rs16955848	PC aa C24:0	18	50448235	C/T	0.085	0.085	0.027	0.027	0.305	19.980
rs6965619	PC aa C24:0	7	12932728	A/C	0.737	0.264	0.026	0.017	0.122	24.746
rs12447542	PC aa C24:0	16	7744180	G/A	0.125	0.125	0.026	0.023	0.261	23.421
rs17596955	PC aa C24:0	15	92556154	A/G	0.070	0.070	0.025	0.029	0.395	19.368
rs4852285	PC aa C24:0	2	72446753	A/G	0.325	0.325	0.025	0.016	0.114	26.523
rs17149920	PC aa C24:0	7	77837131	A/C	0.136	0.136	0.024	0.022	0.277	20.204
rs62182099	PC aa C24:0	2	240184882	C/T	0.063	0.063	0.024	0.030	0.435	28.106
rs10514350	PC aa C24:0	5	90903609	A/G	0.223	0.223	0.022	0.018	0.209	20.120
rs1487446	PC aa C24:0	6	98565212	C/T	0.520	0.480	0.020	0.015	0.182	73.277
rs6805280	PC aa C24:0	3	153151706	T/C	0.720	0.280	0.019	0.016	0.235	26.435
rs41298344	PC aa C24:0	20	62294045	C/A	0.050	0.050	0.017	0.035	0.622	22.888
rs12370683	PC aa C24:0	12	74580266	T/C	0.199	0.199	0.017	0.019	0.378	20.848
rs7613360	PC aa C24:0	3	49916710	C/T	0.388	0.388	0.016	0.015	0.281	46.096
rs1241781	PC aa C24:0	14	42287845	C/A	0.505	0.495	0.015	0.016	0.329	25.960
rs6868457	PC aa C24:0	5	60550041	T/C	0.477	0.477	0.015	0.015	0.321	22.316
rs363096	PC aa C24:0	4	3180021	T/C	0.568	0.432	0.015	0.015	0.329	32.386
rs34967803	PC aa C24:0	7	71109777	A/G	0.056	0.056	0.013	0.033	0.693	22.885
rs997652	PC aa C24:0	17	63914365	G/T	0.398	0.398	0.013	0.015	0.394	22.579

rs11762900	PC aa C24:0	7	1265682	C/T	0.531	0.469	0.012	0.015	0.421	21.201
rs2635727	PC aa C24:0	6	50820940	T/C	0.747	0.253	0.012	0.017	0.486	22.589
rs7626945	PC aa C24:0	3	82405757	T/C	0.240	0.240	0.012	0.017	0.498	23.539
rs73050916	PC aa C24:0	19	48984060	A/G	0.467	0.467	0.012	0.015	0.442	21.173
rs10828266	PC aa C24:0	10	22098701	A/G	0.706	0.294	0.011	0.016	0.500	25.263
rs7932035	PC aa C24:0	11	39620131	A/G	0.805	0.195	0.011	0.019	0.565	36.324
rs3858030	PC aa C24:0	9	1788498	T/C	0.753	0.247	0.009	0.017	0.580	22.386
rs2820311	PC aa C24:0	1	201841476	A/G	0.326	0.326	0.009	0.016	0.565	22.310
rs7806045	PC aa C24:0	7	132610266	T/C	0.237	0.237	0.009	0.017	0.599	30.606
rs74987819	PC aa C24:0	22	49599953	G/T	0.097	0.097	0.009	0.025	0.719	21.338
rs6491430	PC aa C24:0	13	99178276	G/A	0.574	0.426	0.008	0.015	0.602	21.279
rs6981838	PC aa C24:0	8	36820750	G/A	0.174	0.174	0.008	0.020	0.700	21.430
rs34833142	PC aa C24:0	18	21075938	A/G	0.453	0.453	0.007	0.015	0.657	23.153
rs8080518	PC aa C24:0	17	45057481	T/C	0.420	0.420	0.006	0.015	0.703	25.326
rs530688	PC aa C24:0	11	78543856	T/C	0.391	0.391	0.006	0.015	0.709	23.760
rs2571009	PC aa C24:0	18	44650279	A/G	0.471	0.471	0.005	0.015	0.723	20.139
rs1826347	PC aa C24:0	3	49671654	A/C	0.514	0.486	0.005	0.015	0.764	21.623
rs514070	PC aa C24:0	1	88718155	G/A	0.216	0.216	0.004	0.018	0.805	20.039
rs11711620	PC aa C24:0	3	114444572	A/C	0.170	0.170	0.004	0.020	0.830	23.329
rs3943093	PC aa C24:0	1	243458502	C/T	0.325	0.325	0.004	0.016	0.789	25.244
rs17207890	PC aa C24:0	11	95490754	G/A	0.343	0.343	0.004	0.016	0.798	34.607
rs6134143	PC aa C24:0	20	1168774	T/C	0.360	0.360	0.004	0.018	0.842	22.594
rs3757323	PC aa C24:0	6	152202007	T/C	0.639	0.361	0.003	0.016	0.868	21.261
rs7586014	PC aa C24:0	2	30089909	G/A	0.160	0.160	0.002	0.021	0.912	22.721
rs71441133	PC aa C24:0	2	41355596	G/A	0.057	0.057	0.001	0.032	0.971	23.953
rs4681028	PC aa C24:0	3	25628749	G/T	0.208	0.208	-0.001	0.019	0.979	20.040
rs17824247	PC aa C24:0	2	144152539	T/C	0.413	0.413	-0.002	0.015	0.920	30.205
rs1557341	PC aa C24:0	18	35127427	A/C	0.651	0.349	-0.002	0.016	0.902	27.223
rs997880	PC aa C24:0	14	29848830	A/C	0.622	0.378	-0.002	0.015	0.904	24.180
rs6824540	PC aa C24:0	4	180895676	G/A	0.199	0.199	-0.003	0.019	0.889	20.862
rs56187641	PC aa C24:0	5	50137152	A/G	0.141	0.141	-0.004	0.021	0.855	19.742
rs10065272	PC aa C24:0	5	125372245	G/A	0.631	0.369	-0.004	0.015	0.789	23.927
rs185123354	PC aa C24:0	6	25853521	T/C	0.112	0.112	-0.004	0.030	0.887	22.634

rs6731647	PC aa C24:0	2	60704739	T/G	0.453	0.453	-0.005	0.016	0.777	20.006
rs73093445	PC aa C24:0	3	71542279	C/A	0.429	0.429	-0.005	0.015	0.760	36.001
rs4660303	PC aa C24:0	1	40060473	G/A	0.228	0.228	-0.005	0.018	0.770	20.594
rs1548566	PC aa C24:0	15	25755522	C/T	0.163	0.163	-0.005	0.020	0.790	19.780
rs4785216	PC aa C24:0	16	50579394	T/C	0.237	0.237	-0.005	0.018	0.759	20.320
rs10756793	PC aa C24:0	9	16726169	G/A	0.744	0.256	-0.006	0.017	0.748	26.884
rs329655	PC aa C24:0	11	133850516	C/A	0.471	0.471	-0.006	0.015	0.705	21.552
rs3908820	PC aa C24:0	1	101072470	A/G	0.073	0.073	-0.006	0.028	0.829	22.223
rs2805444	PC aa C24:0	1	237691095	G/A	0.757	0.243	-0.007	0.019	0.710	19.835
rs117451379	PC aa C24:0	7	102389213	C/T	0.071	0.071	-0.009	0.030	0.778	20.605
rs35187352	PC aa C24:0	12	132697766	T/G	0.601	0.400	-0.009	0.016	0.583	21.418
rs75838475	PC aa C24:0	2	146177061	C/T	0.134	0.134	-0.009	0.022	0.682	19.664
rs356194	PC aa C24:0	4	90685798	A/G	0.703	0.297	-0.010	0.016	0.543	26.014
rs78876823	PC aa C24:0	5	26034698	C/T	0.363	0.363	-0.011	0.016	0.520	22.021
rs56128159	PC aa C24:0	8	106336532	T/G	0.173	0.173	-0.011	0.020	0.581	19.730
rs78679681	PC aa C24:0	3	143292353	G/A	0.027	0.027	-0.011	0.045	0.806	21.800
rs62167901	PC aa C24:0	2	142271919	G/A	0.115	0.115	-0.012	0.023	0.620	28.715
rs819571	PC aa C24:0	5	72828213	C/T	0.134	0.134	-0.012	0.023	0.594	22.042
rs571129804	PC aa C24:0	2	50745784	T/C	0.130	0.130	-0.013	0.023	0.585	24.034
rs2121289	PC aa C24:0	13	69734044	A/C	0.872	0.128	-0.014	0.022	0.543	22.013
rs2824408	PC aa C24:0	21	19011631	A/C	0.188	0.188	-0.014	0.019	0.448	21.136
rs360941	PC aa C24:0	4	152855276	T/C	0.026	0.026	-0.015	0.048	0.752	19.819
rs71520517	PC aa C24:0	8	144473554	G/A	0.120	0.120	-0.015	0.024	0.533	24.279
rs6600140	PC aa C24:0	16	1446883	A/C	0.901	0.099	-0.017	0.025	0.506	19.381
rs2099740	PC aa C24:0	1	112704129	T/C	0.469	0.469	-0.017	0.016	0.279	20.890
rs13084427	PC aa C24:0	3	160434610	T/C	0.288	0.288	-0.018	0.016	0.287	24.001
rs264343	PC aa C24:0	5	139355252	C/T	0.230	0.230	-0.018	0.018	0.312	22.837
rs62587113	PC aa C24:0	9	130986184	C/T	0.025	0.025	-0.018	0.051	0.725	20.032
rs4667812	PC aa C24:0	2	166254401	T/G	0.239	0.239	-0.019	0.017	0.276	35.108
rs3764002	PC aa C24:0	12	108618630	C/T	0.259	0.259	-0.019	0.017	0.251	24.510
rs6676084	PC aa C24:0	1	197094030	C/T	0.315	0.315	-0.020	0.016	0.211	20.738
rs12070802	PC aa C24:0	1	98438755	T/G	0.187	0.187	-0.020	0.021	0.339	24.028
rs12243061	PC aa C24:0	10	78756815	T/C	0.359	0.359	-0.020	0.016	0.191	21.437

rs2294567	PC aa C24:0	20	40101389	A/G	0.317	0.317	-0.022	0.016	0.173	24.830
rs574918	PC aa C24:0	12	40357647	A/G	0.831	0.169	-0.022	0.020	0.260	26.443
rs13107325	PC aa C24:0	4	103188709	C/T	0.073	0.073	-0.022	0.029	0.434	41.306
rs8044030	PC aa C24:0	16	30927990	G/A	0.386	0.386	-0.023	0.015	0.121	23.530
rs373729300	PC aa C24:0	12	80877090	A/G	0.144	0.144	-0.026	0.024	0.288	23.978
rs10129747	PC aa C24:0	14	77433198	A/G	0.527	0.473	-0.033	0.015	0.026	34.422
rs4843613	PC aa C24:0	16	87489698	T/C	0.822	0.178	-0.038	0.019	0.051	23.731
rs113677935	PC aa C24:0	6	92765831	G/A	0.045	0.045	-0.045	0.036	0.205	20.193
rs117568533	PC aa C24:0	17	41317598	C/T	0.041	0.041	-0.049	0.038	0.202	21.930
rs2628041	PC aa C24:0	1	244439691	A/G	0.978	0.022	-0.073	0.064	0.257	21.990
rs28489386	PC aa C24:0	8	20974664	A/G	0.067	0.067	-0.093	0.030	0.002	20.883
rs2628041	PC aa C32:2	1	244439691	A/G	0.978	0.022	0.077	0.063	0.223	21.990
rs117568533	PC aa C32:2	17	41317598	C/T	0.041	0.041	0.056	0.037	0.133	21.930
rs74987819	PC aa C32:2	22	49599953	G/T	0.097	0.097	0.039	0.024	0.108	21.338
rs4667812	PC aa C32:2	2	166254401	T/G	0.239	0.239	0.038	0.017	0.024	35.108
rs113677935	PC aa C32:2	6	92765831	G/A	0.045	0.045	0.038	0.035	0.274	20.193
rs7932035	PC aa C32:2	11	39620131	A/G	0.805	0.195	0.036	0.018	0.049	36.324
rs3908820	PC aa C32:2	1	101072470	A/G	0.073	0.073	0.036	0.028	0.195	22.223
rs1990689	PC aa C32:2	4	62918377	A/C	0.700	0.300	0.035	0.016	0.028	20.409
rs73050916	PC aa C32:2	19	48984060	A/G	0.467	0.467	0.026	0.015	0.076	21.173
rs11762900	PC aa C32:2	7	1265682	C/T	0.531	0.469	0.024	0.015	0.105	21.201
rs2294567	PC aa C32:2	20	40101389	A/G	0.317	0.317	0.021	0.016	0.170	24.830
rs56187641	PC aa C32:2	5	50137152	A/G	0.141	0.141	0.020	0.021	0.345	19.742
rs2121289	PC aa C32:2	13	69734044	A/C	0.872	0.128	0.019	0.022	0.379	22.013
rs6134143	PC aa C32:2	20	1168774	T/C	0.360	0.360	0.018	0.017	0.302	22.594
rs17207890	PC aa C32:2	11	95490754	G/A	0.343	0.343	0.018	0.015	0.252	34.607
rs1487446	PC aa C32:2	6	98565212	C/T	0.520	0.480	0.017	0.015	0.235	73.277
rs75838475	PC aa C32:2	2	146177061	C/T	0.134	0.134	0.017	0.022	0.434	19.664
rs7626945	PC aa C32:2	3	82405757	T/C	0.240	0.240	0.017	0.017	0.319	23.539
rs4843613	PC aa C32:2	16	87489698	T/C	0.822	0.178	0.017	0.019	0.377	23.731
rs1548566	PC aa C32:2	15	25755522	C/T	0.163	0.163	0.016	0.020	0.436	19.780
rs13084427	PC aa C32:2	3	160434610	T/C	0.288	0.288	0.014	0.016	0.377	24.001
rs6805280	PC aa C32:2	3	153151706	T/C	0.720	0.280	0.013	0.016	0.402	26.435

rs2824408	PC aa C32:2	21	19011631	A/C	0.188	0.188	0.013	0.019	0.495	21.136
rs11711620	PC aa C32:2	3	114444572	A/C	0.170	0.170	0.012	0.019	0.535	23.329
rs6824540	PC aa C32:2	4	180895676	G/A	0.199	0.199	0.012	0.018	0.512	20.862
rs17596955	PC aa C32:2	15	92556154	A/G	0.070	0.070	0.012	0.029	0.686	19.368
rs997880	PC aa C32:2	14	29848830	A/C	0.622	0.378	0.010	0.015	0.510	24.180
rs356194	PC aa C32:2	4	90685798	A/G	0.703	0.297	0.009	0.016	0.586	26.014
rs71520517	PC aa C32:2	8	144473554	G/A	0.120	0.120	0.009	0.024	0.720	24.279
rs62182099	PC aa C32:2	2	240184882	C/T	0.063	0.063	0.007	0.030	0.818	28.106
rs363096	PC aa C32:2	4	3180021	T/C	0.568	0.432	0.007	0.015	0.661	32.386
rs264343	PC aa C32:2	5	139355252	C/T	0.230	0.230	0.006	0.017	0.728	22.837
rs4660303	PC aa C32:2	1	40060473	G/A	0.228	0.228	0.006	0.017	0.748	20.594
rs17149920	PC aa C32:2	7	77837131	A/C	0.136	0.136	0.005	0.021	0.820	20.204
rs3757323	PC aa C32:2	6	152202007	T/C	0.639	0.361	0.005	0.015	0.748	21.261
rs56128159	PC aa C32:2	8	106336532	T/G	0.173	0.173	0.004	0.020	0.821	19.730
rs12243061	PC aa C32:2	10	78756815	T/C	0.359	0.359	0.003	0.015	0.832	21.437
rs12370683	PC aa C32:2	12	74580266	T/C	0.199	0.199	0.002	0.019	0.921	20.848
rs73093445	PC aa C32:2	3	71542279	C/A	0.429	0.429	0.001	0.015	0.955	36.001
rs6676084	PC aa C32:2	1	197094030	C/T	0.315	0.315	0.001	0.016	0.967	20.738
rs7613360	PC aa C32:2	3	49916710	C/T	0.388	0.388	0.001	0.015	0.975	46.096
rs10756793	PC aa C32:2	9	16726169	G/A	0.744	0.256	0.000	0.017	0.987	26.884
rs139721227	PC aa C32:2	2	56873160	C/A	0.031	0.031	0.000	0.042	0.995	20.274
rs79774233	PC aa C32:2	6	146035571	G/A	0.029	0.029	0.000	0.043	1.000	22.804
rs7806045	PC aa C32:2	7	132610266	T/C	0.237	0.237	0.000	0.017	0.994	30.606
rs1557341	PC aa C32:2	18	35127427	A/C	0.651	0.349	0.000	0.015	0.985	27.223
rs574918	PC aa C32:2	12	40357647	A/G	0.831	0.169	0.000	0.019	0.984	26.443
rs2820311	PC aa C32:2	1	201841476	A/G	0.326	0.326	-0.001	0.016	0.958	22.310
rs2635727	PC aa C32:2	6	50820940	T/C	0.747	0.253	-0.001	0.017	0.952	22.589
rs10828266	PC aa C32:2	10	22098701	A/G	0.706	0.294	-0.002	0.016	0.926	25.263
rs6965619	PC aa C32:2	7	12932728	A/C	0.737	0.264	-0.002	0.016	0.911	24.746
rs10065272	PC aa C32:2	5	125372245	G/A	0.631	0.369	-0.002	0.015	0.896	23.927
rs514070	PC aa C32:2	1	88718155	G/A	0.216	0.216	-0.002	0.017	0.901	20.039
rs1826347	PC aa C32:2	3	49671654	A/C	0.514	0.486	-0.003	0.015	0.851	21.623
rs4852285	PC aa C32:2	2	72446753	A/G	0.325	0.325	-0.003	0.015	0.828	26.523

rs8080518	PC aa C32:2	17	45057481	T/C	0.420	0.420	-0.004	0.015	0.777	25.326
rs6868457	PC aa C32:2	5	60550041	T/C	0.477	0.477	-0.006	0.015	0.675	22.316
rs34833142	PC aa C32:2	18	21075938	A/G	0.453	0.453	-0.007	0.015	0.634	23.153
rs71441133	PC aa C32:2	2	41355596	G/A	0.058	0.058	-0.008	0.032	0.794	23.953
rs2571009	PC aa C32:2	18	44650279	A/G	0.471	0.471	-0.009	0.015	0.562	20.139
rs819571	PC aa C32:2	5	72828213	C/T	0.134	0.134	-0.010	0.022	0.651	22.042
rs329655	PC aa C32:2	11	133850516	C/A	0.471	0.471	-0.010	0.015	0.491	21.552
rs4785216	PC aa C32:2	16	50579394	T/C	0.237	0.237	-0.010	0.017	0.548	20.320
rs10129747	PC aa C32:2	14	77433198	A/G	0.527	0.473	-0.011	0.015	0.467	34.422
rs6103023	PC aa C32:2	20	35589095	T/C	0.534	0.466	-0.012	0.015	0.428	19.629
rs3943093	PC aa C32:2	1	243458502	C/T	0.325	0.325	-0.012	0.015	0.445	25.244
rs17824247	PC aa C32:2	2	144152539	T/C	0.413	0.413	-0.012	0.015	0.401	30.205
rs35187352	PC aa C32:2	12	132697766	T/G	0.601	0.399	-0.013	0.015	0.389	21.418
rs16955848	PC aa C32:2	18	50448235	C/T	0.085	0.085	-0.014	0.026	0.595	19.980
rs2099740	PC aa C32:2	1	112704129	T/C	0.469	0.469	-0.014	0.016	0.365	20.890
rs3858030	PC aa C32:2	9	1788498	T/C	0.753	0.247	-0.016	0.017	0.353	22.386
rs530688	PC aa C32:2	11	78543856	T/C	0.391	0.391	-0.016	0.015	0.285	23.760
rs7586014	PC aa C32:2	2	30089909	G/A	0.160	0.160	-0.017	0.020	0.415	22.721
rs6491430	PC aa C32:2	13	99178276	G/A	0.574	0.426	-0.018	0.015	0.218	21.279
rs997652	PC aa C32:2	17	63914365	G/T	0.398	0.398	-0.019	0.015	0.201	22.579
rs4681028	PC aa C32:2	3	25628749	G/T	0.208	0.208	-0.020	0.018	0.285	20.040
rs8044030	PC aa C32:2	16	30927990	G/A	0.386	0.386	-0.023	0.015	0.115	23.530
rs13107325	PC aa C32:2	4	103188709	C/T	0.073	0.073	-0.023	0.028	0.408	41.306
rs10514350	PC aa C32:2	5	90903609	A/G	0.223	0.223	-0.024	0.017	0.169	20.120
rs12447542	PC aa C32:2	16	7744180	G/A	0.125	0.125	-0.026	0.023	0.244	23.421
rs3764002	PC aa C32:2	12	108618630	C/T	0.259	0.259	-0.028	0.016	0.085	24.510
rs4239593	PC aa C32:2	19	55876747	C/T	0.066	0.066	-0.029	0.030	0.337	19.541
rs28489386	PC aa C32:2	8	20974664	A/G	0.067	0.067	-0.036	0.029	0.210	20.883
rs360941	PC aa C32:2	4	152855276	T/C	0.026	0.026	-0.041	0.047	0.385	19.819
rs6600140	PC aa C32:2	16	1446883	A/C	0.901	0.099	-0.043	0.025	0.078	19.381
rs6981838	PC aa C32:2	8	36820750	G/A	0.174	0.174	-0.044	0.019	0.024	21.430
rs62167901	PC aa C32:2	2	142271919	G/A	0.115	0.115	-0.049	0.023	0.032	28.715
rs78631379	PC aa C32:2	8	65630877	A/G	0.036	0.036	-0.053	0.043	0.220	20.217

rs41298344	PC aa C32:2	20	62294045	C/A	0.050	0.050	-0.058	0.034	0.091	22.888
rs78679681	PC aa C32:2	3	143292353	G/A	0.027	0.027	-0.059	0.045	0.188	21.800
rs34967803	PC aa C32:2	7	71109777	A/G	0.056	0.056	-0.059	0.033	0.071	22.885
rs117451379	PC aa C32:2	7	102389213	C/T	0.071	0.071	-0.070	0.030	0.018	20.605
rs62587113	PC aa C32:2	9	130986184	C/T	0.025	0.025	-0.071	0.050	0.154	20.032
rs144783397	PC aa C32:2	2	118141626	G/A	0.024	0.024	-0.079	0.047	0.092	21.243
rs139721227	PC aa C32:3	2	56873160	C/A	0.031	0.031	0.057	0.042	0.178	20.274
rs3908820	PC aa C32:3	1	101072470	A/G	0.073	0.073	0.045	0.027	0.103	22.223
rs11762900	PC aa C32:3	7	1265682	C/T	0.531	0.469	0.037	0.015	0.014	21.201
rs7932035	PC aa C32:3	11	39620131	A/G	0.805	0.195	0.035	0.018	0.056	36.324
rs17596955	PC aa C32:3	15	92556154	A/G	0.070	0.070	0.033	0.028	0.238	19.368
rs1990689	PC aa C32:3	4	62918377	A/C	0.700	0.300	0.032	0.016	0.042	20.409
rs7626945	PC aa C32:3	3	82405757	T/C	0.240	0.240	0.028	0.017	0.103	23.539
rs6805280	PC aa C32:3	3	153151706	T/C	0.720	0.280	0.027	0.016	0.095	26.435
rs74987819	PC aa C32:3	22	49599953	G/T	0.097	0.097	0.025	0.024	0.306	21.338
rs1548566	PC aa C32:3	15	25755522	C/T	0.163	0.163	0.024	0.020	0.224	19.780
rs117568533	PC aa C32:3	17	41317598	C/T	0.041	0.041	0.024	0.037	0.522	21.930
rs2294567	PC aa C32:3	20	40101389	A/G	0.317	0.317	0.023	0.015	0.132	24.830
rs2824408	PC aa C32:3	21	19011631	A/C	0.188	0.188	0.023	0.019	0.217	21.136
rs75838475	PC aa C32:3	2	146177061	C/T	0.134	0.134	0.020	0.022	0.359	19.664
rs71520517	PC aa C32:3	8	144473554	G/A	0.120	0.120	0.019	0.024	0.415	24.279
rs6134143	PC aa C32:3	20	1168774	T/C	0.360	0.360	0.018	0.017	0.288	22.594
rs113677935	PC aa C32:3	6	92765831	G/A	0.045	0.045	0.017	0.035	0.620	20.193
rs16955848	PC aa C32:3	18	50448235	C/T	0.085	0.085	0.017	0.026	0.521	19.980
rs78631379	PC aa C32:3	8	65630877	A/G	0.036	0.036	0.015	0.043	0.733	20.217
rs4667812	PC aa C32:3	2	166254401	T/G	0.239	0.239	0.014	0.017	0.397	35.108
rs1557341	PC aa C32:3	18	35127427	A/C	0.651	0.349	0.012	0.015	0.430	27.223
rs4852285	PC aa C32:3	2	72446753	A/G	0.325	0.325	0.010	0.015	0.507	26.523
rs4660303	PC aa C32:3	1	40060473	G/A	0.228	0.228	0.009	0.017	0.598	20.594
rs2571009	PC aa C32:3	18	44650279	A/G	0.471	0.471	0.009	0.015	0.550	20.139
rs7806045	PC aa C32:3	7	132610266	T/C	0.236	0.236	0.009	0.017	0.605	30.606
rs4843613	PC aa C32:3	16	87489698	T/C	0.822	0.178	0.008	0.019	0.682	23.731
rs7613360	PC aa C32:3	3	49916710	C/T	0.388	0.388	0.007	0.015	0.641	46.096

rs997880	PC aa C32:3	14	29848830	A/C	0.622	0.378	0.007	0.015	0.658	24.180
rs1487446	PC aa C32:3	6	98565212	C/T	0.520	0.480	0.006	0.014	0.658	73.277
rs3757323	PC aa C32:3	6	152202007	T/C	0.640	0.361	0.006	0.015	0.680	21.261
rs356194	PC aa C32:3	4	90685798	A/G	0.702	0.298	0.005	0.016	0.731	26.014
rs2121289	PC aa C32:3	13	69734044	A/C	0.872	0.128	0.005	0.022	0.808	22.013
rs10828266	PC aa C32:3	10	22098701	A/G	0.706	0.294	0.005	0.016	0.752	25.263
rs12370683	PC aa C32:3	12	74580266	T/C	0.199	0.199	0.005	0.018	0.787	20.848
rs3943093	PC aa C32:3	1	243458502	C/T	0.325	0.325	0.005	0.015	0.753	25.244
rs8080518	PC aa C32:3	17	45057481	T/C	0.419	0.419	0.004	0.015	0.769	25.326
rs4785216	PC aa C32:3	16	50579394	T/C	0.237	0.237	0.004	0.017	0.813	20.320
rs56187641	PC aa C32:3	5	50137152	A/G	0.141	0.141	0.004	0.021	0.844	19.742
rs62182099	PC aa C32:3	2	240184882	C/T	0.063	0.063	0.004	0.030	0.889	28.106
rs4681028	PC aa C32:3	3	25628749	G/T	0.208	0.208	0.004	0.018	0.827	20.040
rs6824540	PC aa C32:3	4	180895676	G/A	0.199	0.199	0.004	0.018	0.827	20.862
rs73050916	PC aa C32:3	19	48984060	A/G	0.467	0.467	0.004	0.015	0.793	21.173
rs17207890	PC aa C32:3	11	95490754	G/A	0.343	0.343	0.003	0.015	0.834	34.607
rs12243061	PC aa C32:3	10	78756815	T/C	0.359	0.359	0.002	0.015	0.875	21.437
rs6868457	PC aa C32:3	5	60550041	T/C	0.477	0.477	0.002	0.015	0.874	22.316
rs13084427	PC aa C32:3	3	160434610	T/C	0.288	0.288	0.002	0.016	0.905	24.001
rs2635727	PC aa C32:3	6	50820940	T/C	0.747	0.253	0.001	0.016	0.956	22.589
rs2820311	PC aa C32:3	1	201841476	A/G	0.326	0.326	0.001	0.015	0.961	22.310
rs73093445	PC aa C32:3	3	71542279	C/A	0.429	0.429	-0.002	0.015	0.907	36.001
rs6491430	PC aa C32:3	13	99178276	G/A	0.574	0.426	-0.002	0.015	0.899	21.279
rs17824247	PC aa C32:3	2	144152539	T/C	0.413	0.413	-0.002	0.015	0.875	30.205
rs329655	PC aa C32:3	11	133850516	C/A	0.471	0.471	-0.003	0.015	0.857	21.552
rs2628041	PC aa C32:3	1	244439691	A/G	0.977	0.023	-0.003	0.062	0.964	21.990
rs574918	PC aa C32:3	12	40357647	A/G	0.831	0.169	-0.004	0.019	0.840	26.443
rs8044030	PC aa C32:3	16	30927990	G/A	0.386	0.386	-0.004	0.015	0.791	23.530
rs3764002	PC aa C32:3	12	108618630	C/T	0.259	0.259	-0.005	0.016	0.776	24.510
rs10756793	PC aa C32:3	9	16726169	G/A	0.744	0.256	-0.006	0.017	0.729	26.884
rs17149920	PC aa C32:3	7	77837131	A/C	0.136	0.136	-0.006	0.021	0.783	20.204
rs35187352	PC aa C32:3	12	132697766	T/G	0.600	0.400	-0.007	0.015	0.645	21.418
rs363096	PC aa C32:3	4	3180021	T/C	0.568	0.432	-0.007	0.015	0.621	32.386

rs56128159	PC aa C32:3	8	106336532	T/G	0.173	0.173	-0.007	0.019	0.708	19.730
rs10129747	PC aa C32:3	14	77433198	A/G	0.527	0.473	-0.007	0.015	0.616	34.422
rs11711620	PC aa C32:3	3	114444572	A/C	0.170	0.170	-0.008	0.019	0.674	23.329
rs514070	PC aa C32:3	1	88718155	G/A	0.216	0.216	-0.009	0.017	0.616	20.039
rs1826347	PC aa C32:3	3	49671654	A/C	0.514	0.486	-0.009	0.015	0.538	21.623
rs6103023	PC aa C32:3	20	35589095	T/C	0.534	0.466	-0.010	0.015	0.471	19.629
rs2099740	PC aa C32:3	1	112704129	T/C	0.469	0.469	-0.012	0.016	0.454	20.890
rs34833142	PC aa C32:3	18	21075938	A/G	0.453	0.453	-0.012	0.015	0.402	23.153
rs264343	PC aa C32:3	5	139355252	C/T	0.229	0.229	-0.012	0.017	0.467	22.837
rs530688	PC aa C32:3	11	78543856	T/C	0.391	0.391	-0.013	0.015	0.400	23.760
rs7586014	PC aa C32:3	2	30089909	G/A	0.160	0.160	-0.013	0.020	0.536	22.721
rs10514350	PC aa C32:3	5	90903609	A/G	0.223	0.223	-0.014	0.017	0.428	20.120
rs6676084	PC aa C32:3	1	197094030	C/T	0.315	0.315	-0.014	0.015	0.352	20.738
rs3858030	PC aa C32:3	9	1788498	T/C	0.753	0.247	-0.015	0.017	0.364	22.386
rs6600140	PC aa C32:3	16	1446883	A/C	0.901	0.099	-0.016	0.024	0.514	19.381
rs28489386	PC aa C32:3	8	20974664	A/G	0.067	0.067	-0.016	0.029	0.576	20.883
rs6965619	PC aa C32:3	7	12932728	A/C	0.737	0.264	-0.016	0.016	0.313	24.746
rs10065272	PC aa C32:3	5	125372245	G/A	0.631	0.369	-0.019	0.015	0.198	23.927
rs997652	PC aa C32:3	17	63914365	G/T	0.398	0.398	-0.019	0.015	0.190	22.579
rs4239593	PC aa C32:3	19	55876747	C/T	0.066	0.066	-0.020	0.030	0.499	19.541
rs819571	PC aa C32:3	5	72828213	C/T	0.134	0.134	-0.021	0.022	0.342	22.042
rs71441133	PC aa C32:3	2	41355596	G/A	0.057	0.057	-0.027	0.032	0.403	23.953
rs13107325	PC aa C32:3	4	103188709	C/T	0.073	0.073	-0.027	0.028	0.334	41.306
rs6981838	PC aa C32:3	8	36820750	G/A	0.174	0.174	-0.027	0.019	0.154	21.430
rs79774233	PC aa C32:3	6	146035571	G/A	0.029	0.029	-0.032	0.043	0.461	22.804
rs12447542	PC aa C32:3	16	7744180	G/A	0.125	0.125	-0.036	0.022	0.104	23.421
rs62167901	PC aa C32:3	2	142271919	G/A	0.115	0.115	-0.040	0.023	0.076	28.715
rs41298344	PC aa C32:3	20	62294045	C/A	0.050	0.050	-0.041	0.034	0.232	22.888
rs78679681	PC aa C32:3	3	143292353	G/A	0.027	0.027	-0.048	0.044	0.282	21.800
rs117451379	PC aa C32:3	7	102389213	C/T	0.071	0.071	-0.054	0.029	0.067	20.605
rs144783397	PC aa C32:3	2	118141626	G/A	0.024	0.024	-0.054	0.047	0.247	21.243
rs360941	PC aa C32:3	4	152855276	T/C	0.026	0.026	-0.070	0.046	0.132	19.819
rs34967803	PC aa C32:3	7	71109777	A/G	0.056	0.056	-0.075	0.033	0.022	22.885

rs62587113	PC aa C32:3	9	130986184	C/T	0.025	0.025	-0.096	0.049	0.051	20.032
rs139721227	PC aa C36:0	2	56873160	C/A	0.031	0.031	0.068	0.042	0.108	20.274
rs11711620	PC aa C36:0	3	114444572	A/C	0.170	0.170	0.039	0.019	0.045	23.329
rs1990689	PC aa C36:0	4	62918377	A/C	0.700	0.300	0.037	0.016	0.021	20.409
rs73093445	PC aa C36:0	3	71542279	C/A	0.429	0.429	0.036	0.015	0.013	36.001
rs4667812	PC aa C36:0	2	166254401	T/G	0.239	0.239	0.034	0.017	0.045	35.108
rs62182099	PC aa C36:0	2	240184882	C/T	0.063	0.063	0.032	0.030	0.282	28.106
rs6868457	PC aa C36:0	5	60550041	T/C	0.477	0.477	0.032	0.015	0.028	22.316
rs71441133	PC aa C36:0	2	41355596	G/A	0.057	0.057	0.032	0.032	0.321	23.953
rs7932035	PC aa C36:0	11	39620131	A/G	0.805	0.195	0.030	0.018	0.096	36.324
rs16955848	PC aa C36:0	18	50448235	C/T	0.085	0.085	0.030	0.026	0.246	19.980
rs56128159	PC aa C36:0	8	106336532	T/G	0.173	0.173	0.026	0.019	0.190	19.730
rs6824540	PC aa C36:0	4	180895676	G/A	0.199	0.199	0.025	0.018	0.179	20.862
rs75838475	PC aa C36:0	2	146177061	C/T	0.134	0.134	0.024	0.022	0.274	19.664
rs28489386	PC aa C36:0	8	20974664	A/G	0.067	0.067	0.020	0.029	0.493	20.883
rs35187352	PC aa C36:0	12	132697766	T/G	0.600	0.400	0.018	0.015	0.241	21.418
rs13084427	PC aa C36:0	3	160434610	T/C	0.288	0.288	0.017	0.016	0.293	24.001
rs10828266	PC aa C36:0	10	22098701	A/G	0.706	0.294	0.016	0.016	0.330	25.263
rs1487446	PC aa C36:0	6	98565212	C/T	0.520	0.480	0.013	0.015	0.360	73.277
rs34833142	PC aa C36:0	18	21075938	A/G	0.453	0.453	0.013	0.015	0.369	23.153
rs6103023	PC aa C36:0	20	35589095	T/C	0.534	0.466	0.013	0.015	0.374	19.629
rs10129747	PC aa C36:0	14	77433198	A/G	0.527	0.473	0.012	0.015	0.399	34.422
rs2628041	PC aa C36:0	1	244439691	A/G	0.978	0.022	0.012	0.063	0.846	21.990
rs6134143	PC aa C36:0	20	1168774	T/C	0.360	0.360	0.012	0.017	0.489	22.594
rs71520517	PC aa C36:0	8	144473554	G/A	0.120	0.120	0.012	0.024	0.623	24.279
rs12243061	PC aa C36:0	10	78756815	T/C	0.359	0.359	0.012	0.015	0.453	21.437
rs8080518	PC aa C36:0	17	45057481	T/C	0.420	0.420	0.011	0.015	0.459	25.326
rs7586014	PC aa C36:0	2	30089909	G/A	0.160	0.160	0.010	0.020	0.642	22.721
rs7806045	PC aa C36:0	7	132610266	T/C	0.237	0.237	0.010	0.017	0.572	30.606
rs113677935	PC aa C36:0	6	92765831	G/A	0.045	0.045	0.009	0.035	0.787	20.193
rs514070	PC aa C36:0	1	88718155	G/A	0.216	0.216	0.009	0.017	0.598	20.039
rs73050916	PC aa C36:0	19	48984060	A/G	0.467	0.467	0.009	0.015	0.543	21.173
rs3764002	PC aa C36:0	12	108618630	C/T	0.259	0.259	0.008	0.016	0.619	24.510

rs10514350	PC aa C36:0	5	90903609	A/G	0.223	0.223	0.008	0.017	0.644	20.120
rs1557341	PC aa C36:0	18	35127427	A/C	0.651	0.349	0.007	0.015	0.648	27.223
rs2121289	PC aa C36:0	13	69734044	A/C	0.872	0.128	0.007	0.022	0.750	22.013
rs6965619	PC aa C36:0	7	12932728	A/C	0.737	0.264	0.007	0.016	0.677	24.746
rs8044030	PC aa C36:0	16	30927990	G/A	0.386	0.386	0.005	0.015	0.713	23.530
rs4660303	PC aa C36:0	1	40060473	G/A	0.228	0.228	0.004	0.017	0.802	20.594
rs6491430	PC aa C36:0	13	99178276	G/A	0.574	0.426	0.004	0.015	0.767	21.279
rs2571009	PC aa C36:0	18	44650279	A/G	0.471	0.471	0.004	0.015	0.787	20.139
rs7626945	PC aa C36:0	3	82405757	T/C	0.240	0.240	0.003	0.017	0.876	23.539
rs3757323	PC aa C36:0	6	152202007	T/C	0.640	0.361	0.003	0.015	0.872	21.261
rs6600140	PC aa C36:0	16	1446883	A/C	0.901	0.099	0.002	0.025	0.929	19.381
rs6805280	PC aa C36:0	3	153151706	T/C	0.720	0.280	0.002	0.016	0.889	26.435
rs144783397	PC aa C36:0	2	118141626	G/A	0.024	0.024	0.002	0.047	0.969	21.243
rs4843613	PC aa C36:0	16	87489698	T/C	0.822	0.178	0.002	0.019	0.935	23.731
rs4785216	PC aa C36:0	16	50579394	T/C	0.237	0.237	0.000	0.017	0.996	20.320
rs574918	PC aa C36:0	12	40357647	A/G	0.831	0.169	0.000	0.019	0.999	26.443
rs997880	PC aa C36:0	14	29848830	A/C	0.622	0.378	0.000	0.015	0.997	24.180
rs2294567	PC aa C36:0	20	40101389	A/G	0.317	0.317	-0.001	0.016	0.970	24.830
rs3858030	PC aa C36:0	9	1788498	T/C	0.753	0.247	-0.001	0.017	0.971	22.386
rs17207890	PC aa C36:0	11	95490754	G/A	0.343	0.343	-0.001	0.015	0.927	34.607
rs74987819	PC aa C36:0	22	49599953	G/T	0.097	0.097	-0.002	0.024	0.945	21.338
rs10756793	PC aa C36:0	9	16726169	G/A	0.744	0.256	-0.002	0.017	0.897	26.884
rs819571	PC aa C36:0	5	72828213	C/T	0.134	0.134	-0.003	0.022	0.892	22.042
rs4852285	PC aa C36:0	2	72446753	A/G	0.325	0.325	-0.004	0.015	0.798	26.523
rs356194	PC aa C36:0	4	90685798	A/G	0.702	0.298	-0.005	0.016	0.764	26.014
rs4681028	PC aa C36:0	3	25628749	G/T	0.208	0.208	-0.005	0.018	0.792	20.040
rs17824247	PC aa C36:0	2	144152539	T/C	0.413	0.413	-0.005	0.015	0.729	30.205
rs329655	PC aa C36:0	11	133850516	C/A	0.471	0.471	-0.005	0.015	0.723	21.552
rs11762900	PC aa C36:0	7	1265682	C/T	0.531	0.469	-0.006	0.015	0.711	21.201
rs264343	PC aa C36:0	5	139355252	C/T	0.230	0.230	-0.006	0.017	0.744	22.837
rs10065272	PC aa C36:0	5	125372245	G/A	0.631	0.369	-0.008	0.015	0.606	23.927
rs2824408	PC aa C36:0	21	19011631	A/C	0.188	0.188	-0.010	0.019	0.611	21.136
rs78631379	PC aa C36:0	8	65630877	A/G	0.036	0.036	-0.010	0.043	0.814	20.217

rs1548566	PC aa C36:0	15	25755522	C/T	0.163	0.163	-0.011	0.020	0.591	19.780
rs530688	PC aa C36:0	11	78543856	T/C	0.391	0.391	-0.012	0.015	0.429	23.760
rs2635727	PC aa C36:0	6	50820940	T/C	0.747	0.253	-0.012	0.017	0.459	22.589
rs2820311	PC aa C36:0	1	201841476	A/G	0.326	0.326	-0.012	0.016	0.429	22.310
rs41298344	PC aa C36:0	20	62294045	C/A	0.050	0.050	-0.012	0.034	0.719	22.888
rs2099740	PC aa C36:0	1	112704129	T/C	0.469	0.469	-0.014	0.016	0.368	20.890
rs363096	PC aa C36:0	4	3180021	T/C	0.568	0.432	-0.014	0.015	0.333	32.386
rs1826347	PC aa C36:0	3	49671654	A/C	0.514	0.486	-0.015	0.015	0.304	21.623
rs3943093	PC aa C36:0	1	243458502	C/T	0.325	0.325	-0.015	0.015	0.327	25.244
rs997652	PC aa C36:0	17	63914365	G/T	0.398	0.398	-0.017	0.015	0.256	22.579
rs3908820	PC aa C36:0	1	101072470	A/G	0.073	0.073	-0.018	0.028	0.515	22.223
rs6676084	PC aa C36:0	1	197094030	C/T	0.315	0.315	-0.018	0.016	0.244	20.738
rs7613360	PC aa C36:0	3	49916710	C/T	0.388	0.388	-0.018	0.015	0.225	46.096
rs12370683	PC aa C36:0	12	74580266	T/C	0.199	0.199	-0.019	0.019	0.298	20.848
rs56187641	PC aa C36:0	5	50137152	A/G	0.141	0.141	-0.020	0.021	0.344	19.742
rs117451379	PC aa C36:0	7	102389213	C/T	0.071	0.071	-0.022	0.030	0.466	20.605
rs117568533	PC aa C36:0	17	41317598	C/T	0.041	0.041	-0.023	0.037	0.544	21.930
rs17596955	PC aa C36:0	15	92556154	A/G	0.070	0.070	-0.024	0.029	0.401	19.368
rs78679681	PC aa C36:0	3	143292353	G/A	0.027	0.027	-0.028	0.045	0.527	21.800
rs12447542	PC aa C36:0	16	7744180	G/A	0.125	0.125	-0.030	0.023	0.187	23.421
rs17149920	PC aa C36:0	7	77837131	A/C	0.136	0.136	-0.030	0.021	0.163	20.204
rs13107325	PC aa C36:0	4	103188709	C/T	0.073	0.073	-0.032	0.028	0.253	41.306
rs6981838	PC aa C36:0	8	36820750	G/A	0.174	0.174	-0.036	0.019	0.067	21.430
rs360941	PC aa C36:0	4	152855276	T/C	0.026	0.026	-0.038	0.047	0.420	19.819
rs79774233	PC aa C36:0	6	146035571	G/A	0.029	0.029	-0.040	0.043	0.357	22.804
rs4239593	PC aa C36:0	19	55876747	C/T	0.066	0.066	-0.044	0.030	0.144	19.541
rs34967803	PC aa C36:0	7	71109777	A/G	0.056	0.056	-0.051	0.033	0.123	22.885
rs62167901	PC aa C36:0	2	142271919	G/A	0.115	0.115	-0.055	0.023	0.017	28.715
rs62587113	PC aa C36:0	9	130986184	C/T	0.025	0.025	-0.068	0.050	0.171	20.032
rs139721227	PC aa C36:4	2	56873160	C/A	0.031	0.031	0.072	0.043	0.093	20.274
rs2628041	PC aa C36:4	1	244439691	A/G	0.978	0.023	0.070	0.063	0.267	21.990
rs7932035	PC aa C36:4	11	39620131	A/G	0.805	0.195	0.043	0.018	0.018	36.324
rs6824540	PC aa C36:4	4	180895676	G/A	0.199	0.199	0.039	0.018	0.036	20.862

rs71441133	PC aa C36:4	2	41355596	G/A	0.057	0.057	0.038	0.032	0.242	23.953
rs11711620	PC aa C36:4	3	114444572	A/C	0.170	0.170	0.028	0.019	0.147	23.329
rs17207890	PC aa C36:4	11	95490754	G/A	0.343	0.343	0.028	0.015	0.072	34.607
rs1990689	PC aa C36:4	4	62918377	A/C	0.700	0.300	0.028	0.016	0.085	20.409
rs3908820	PC aa C36:4	1	101072470	A/G	0.073	0.073	0.026	0.028	0.348	22.223
rs2635727	PC aa C36:4	6	50820940	T/C	0.747	0.253	0.024	0.017	0.154	22.589
rs6134143	PC aa C36:4	20	1168774	T/C	0.360	0.360	0.023	0.017	0.191	22.594
rs17596955	PC aa C36:4	15	92556154	A/G	0.070	0.070	0.022	0.029	0.445	19.368
rs71520517	PC aa C36:4	8	144473554	G/A	0.120	0.120	0.021	0.024	0.375	24.279
rs16955848	PC aa C36:4	18	50448235	C/T	0.085	0.085	0.018	0.026	0.495	19.980
rs12243061	PC aa C36:4	10	78756815	T/C	0.359	0.359	0.015	0.015	0.336	21.437
rs3757323	PC aa C36:4	6	152202007	T/C	0.640	0.361	0.015	0.015	0.346	21.261
rs2824408	PC aa C36:4	21	19011631	A/C	0.188	0.188	0.013	0.019	0.475	21.136
rs7613360	PC aa C36:4	3	49916710	C/T	0.388	0.388	0.013	0.015	0.395	46.096
rs360941	PC aa C36:4	4	152855276	T/C	0.026	0.026	0.012	0.047	0.792	19.819
rs11762900	PC aa C36:4	7	1265682	C/T	0.531	0.469	0.012	0.015	0.415	21.201
rs74987819	PC aa C36:4	22	49599953	G/T	0.097	0.097	0.012	0.025	0.622	21.338
rs4852285	PC aa C36:4	2	72446753	A/G	0.325	0.325	0.011	0.016	0.487	26.523
rs117451379	PC aa C36:4	7	102389213	C/T	0.071	0.071	0.011	0.030	0.725	20.605
rs6868457	PC aa C36:4	5	60550041	T/C	0.477	0.477	0.010	0.015	0.487	22.316
rs7586014	PC aa C36:4	2	30089909	G/A	0.160	0.160	0.010	0.021	0.622	22.721
rs2121289	PC aa C36:4	13	69734044	A/C	0.872	0.128	0.010	0.022	0.651	22.013
rs1487446	PC aa C36:4	6	98565212	C/T	0.520	0.480	0.010	0.015	0.505	73.277
rs4667812	PC aa C36:4	2	166254401	T/G	0.239	0.239	0.010	0.017	0.576	35.108
rs7626945	PC aa C36:4	3	82405757	T/C	0.240	0.240	0.010	0.017	0.578	23.539
rs514070	PC aa C36:4	1	88718155	G/A	0.216	0.216	0.009	0.018	0.592	20.039
rs73050916	PC aa C36:4	19	48984060	A/G	0.467	0.467	0.009	0.015	0.567	21.173
rs78631379	PC aa C36:4	8	65630877	A/G	0.036	0.036	0.008	0.043	0.851	20.217
rs144783397	PC aa C36:4	2	118141626	G/A	0.024	0.024	0.007	0.047	0.878	21.243
rs2571009	PC aa C36:4	18	44650279	A/G	0.471	0.471	0.006	0.015	0.695	20.139
rs8080518	PC aa C36:4	17	45057481	T/C	0.420	0.420	0.005	0.015	0.727	25.326
rs2820311	PC aa C36:4	1	201841476	A/G	0.326	0.326	0.005	0.016	0.742	22.310
rs28489386	PC aa C36:4	8	20974664	A/G	0.067	0.067	0.005	0.029	0.878	20.883

rs1826347	PC aa C36:4	3	49671654	A/C	0.514	0.486	0.004	0.015	0.770	21.623
rs1548566	PC aa C36:4	15	25755522	C/T	0.163	0.163	0.004	0.020	0.841	19.780
rs4843613	PC aa C36:4	16	87489698	T/C	0.822	0.178	0.003	0.019	0.896	23.731
rs7806045	PC aa C36:4	7	132610266	T/C	0.237	0.237	0.001	0.017	0.938	30.606
rs117568533	PC aa C36:4	17	41317598	C/T	0.041	0.041	0.001	0.038	0.979	21.930
rs819571	PC aa C36:4	5	72828213	C/T	0.134	0.134	0.001	0.022	0.978	22.042
rs4681028	PC aa C36:4	3	25628749	G/T	0.208	0.208	-0.001	0.018	0.949	20.040
rs329655	PC aa C36:4	11	133850516	C/A	0.471	0.471	-0.002	0.015	0.918	21.552
rs356194	PC aa C36:4	4	90685798	A/G	0.702	0.298	-0.002	0.016	0.909	26.014
rs34833142	PC aa C36:4	18	21075938	A/G	0.453	0.453	-0.002	0.015	0.883	23.153
rs78679681	PC aa C36:4	3	143292353	G/A	0.027	0.027	-0.003	0.045	0.948	21.800
rs3943093	PC aa C36:4	1	243458502	C/T	0.325	0.325	-0.004	0.016	0.813	25.244
rs75838475	PC aa C36:4	2	146177061	C/T	0.134	0.134	-0.004	0.022	0.847	19.664
rs2294567	PC aa C36:4	20	40101389	A/G	0.317	0.317	-0.005	0.016	0.765	24.830
rs62587113	PC aa C36:4	9	130986184	C/T	0.025	0.025	-0.006	0.050	0.913	20.032
rs73093445	PC aa C36:4	3	71542279	C/A	0.429	0.429	-0.006	0.015	0.701	36.001
rs1557341	PC aa C36:4	18	35127427	A/C	0.651	0.349	-0.006	0.016	0.698	27.223
rs35187352	PC aa C36:4	12	132697766	T/G	0.600	0.400	-0.007	0.016	0.654	21.418
rs113677935	PC aa C36:4	6	92765831	G/A	0.045	0.045	-0.007	0.035	0.842	20.193
rs6805280	PC aa C36:4	3	153151706	T/C	0.720	0.280	-0.008	0.016	0.606	26.435
rs997880	PC aa C36:4	14	29848830	A/C	0.622	0.378	-0.009	0.015	0.576	24.180
rs13084427	PC aa C36:4	3	160434610	T/C	0.288	0.288	-0.009	0.016	0.591	24.001
rs6600140	PC aa C36:4	16	1446883	A/C	0.901	0.099	-0.009	0.025	0.725	19.381
rs2099740	PC aa C36:4	1	112704129	T/C	0.469	0.469	-0.011	0.016	0.503	20.890
rs10756793	PC aa C36:4	9	16726169	G/A	0.744	0.256	-0.011	0.017	0.519	26.884
rs34967803	PC aa C36:4	7	71109777	A/G	0.056	0.056	-0.011	0.033	0.730	22.885
rs62182099	PC aa C36:4	2	240184882	C/T	0.063	0.063	-0.011	0.030	0.703	28.106
rs530688	PC aa C36:4	11	78543856	T/C	0.391	0.391	-0.012	0.015	0.433	23.760
rs10065272	PC aa C36:4	5	125372245	G/A	0.631	0.369	-0.012	0.015	0.435	23.927
rs17824247	PC aa C36:4	2	144152539	T/C	0.413	0.413	-0.012	0.015	0.424	30.205
rs10828266	PC aa C36:4	10	22098701	A/G	0.706	0.294	-0.012	0.016	0.452	25.263
rs3858030	PC aa C36:4	9	1788498	T/C	0.753	0.247	-0.012	0.017	0.468	22.386
rs12447542	PC aa C36:4	16	7744180	G/A	0.125	0.125	-0.014	0.023	0.545	23.421

rs17149920	PC aa C36:4	7	77837131	A/C	0.136	0.136	-0.015	0.022	0.502	20.204
rs4660303	PC aa C36:4	1	40060473	G/A	0.228	0.228	-0.016	0.017	0.359	20.594
rs363096	PC aa C36:4	4	3180021	T/C	0.568	0.432	-0.016	0.015	0.275	32.386
rs56128159	PC aa C36:4	8	106336532	T/G	0.173	0.173	-0.016	0.020	0.406	19.730
rs6491430	PC aa C36:4	13	99178276	G/A	0.574	0.426	-0.017	0.015	0.242	21.279
rs10129747	PC aa C36:4	14	77433198	A/G	0.527	0.473	-0.019	0.015	0.212	34.422
rs56187641	PC aa C36:4	5	50137152	A/G	0.141	0.141	-0.019	0.021	0.382	19.742
rs12370683	PC aa C36:4	12	74580266	T/C	0.199	0.199	-0.019	0.019	0.319	20.848
rs4785216	PC aa C36:4	16	50579394	T/C	0.237	0.237	-0.019	0.018	0.284	20.320
rs6103023	PC aa C36:4	20	35589095	T/C	0.534	0.466	-0.019	0.015	0.196	19.629
rs264343	PC aa C36:4	5	139355252	C/T	0.230	0.230	-0.020	0.017	0.255	22.837
rs62167901	PC aa C36:4	2	142271919	G/A	0.115	0.115	-0.020	0.023	0.389	28.715
rs41298344	PC aa C36:4	20	62294045	C/A	0.050	0.050	-0.022	0.035	0.531	22.888
rs8044030	PC aa C36:4	16	30927990	G/A	0.386	0.386	-0.022	0.015	0.139	23.530
rs574918	PC aa C36:4	12	40357647	A/G	0.831	0.169	-0.023	0.020	0.238	26.443
rs6676084	PC aa C36:4	1	197094030	C/T	0.315	0.315	-0.023	0.016	0.133	20.738
rs4239593	PC aa C36:4	19	55876747	C/T	0.066	0.066	-0.024	0.031	0.430	19.541
rs6965619	PC aa C36:4	7	12932728	A/C	0.737	0.264	-0.026	0.017	0.115	24.746
rs997652	PC aa C36:4	17	63914365	G/T	0.398	0.398	-0.028	0.015	0.062	22.579
rs10514350	PC aa C36:4	5	90903609	A/G	0.223	0.223	-0.028	0.017	0.102	20.120
rs3764002	PC aa C36:4	12	108618630	C/T	0.259	0.259	-0.043	0.017	0.010	24.510
rs6981838	PC aa C36:4	8	36820750	G/A	0.174	0.174	-0.047	0.020	0.015	21.430
rs13107325	PC aa C36:4	4	103188709	C/T	0.073	0.073	-0.060	0.028	0.035	41.306
rs79774233	PC aa C36:4	6	146035571	G/A	0.029	0.029	-0.095	0.044	0.028	22.804
rs2628041	PC aa C38:3	1	244439691	A/G	0.978	0.022	0.068	0.063	0.281	21.990
rs74987819	PC aa C38:3	22	49599953	G/T	0.097	0.097	0.061	0.025	0.013	21.338
rs1990689	PC aa C38:3	4	62918377	A/C	0.700	0.300	0.050	0.016	0.002	20.409
rs139721227	PC aa C38:3	2	56873160	C/A	0.031	0.031	0.044	0.043	0.304	20.274
rs11711620	PC aa C38:3	3	114444572	A/C	0.170	0.170	0.042	0.019	0.029	23.329
rs113677935	PC aa C38:3	6	92765831	G/A	0.045	0.045	0.038	0.035	0.278	20.193
rs17596955	PC aa C38:3	15	92556154	A/G	0.070	0.070	0.030	0.029	0.301	19.368
rs4667812	PC aa C38:3	2	166254401	T/G	0.239	0.239	0.029	0.017	0.086	35.108
rs2294567	PC aa C38:3	20	40101389	A/G	0.317	0.317	0.027	0.016	0.081	24.830

rs4239593	PC aa C38:3	19	55876747	C/T	0.066	0.066	0.027	0.030	0.372	19.541
rs2121289	PC aa C38:3	13	69734044	A/C	0.872	0.128	0.027	0.022	0.225	22.013
rs6805280	PC aa C38:3	3	153151706	T/C	0.720	0.280	0.026	0.016	0.105	26.435
rs6134143	PC aa C38:3	20	1168774	T/C	0.360	0.360	0.026	0.017	0.135	22.594
rs2635727	PC aa C38:3	6	50820940	T/C	0.747	0.253	0.023	0.017	0.159	22.589
rs7626945	PC aa C38:3	3	82405757	T/C	0.240	0.240	0.022	0.017	0.189	23.539
rs16955848	PC aa C38:3	18	50448235	C/T	0.085	0.085	0.022	0.026	0.398	19.980
rs11762900	PC aa C38:3	7	1265682	C/T	0.531	0.469	0.022	0.015	0.152	21.201
rs6824540	PC aa C38:3	4	180895676	G/A	0.199	0.199	0.021	0.018	0.251	20.862
rs7932035	PC aa C38:3	11	39620131	A/G	0.805	0.195	0.019	0.018	0.299	36.324
rs356194	PC aa C38:3	4	90685798	A/G	0.703	0.297	0.017	0.016	0.299	26.014
rs75838475	PC aa C38:3	2	146177061	C/T	0.134	0.134	0.016	0.022	0.473	19.664
rs7586014	PC aa C38:3	2	30089909	G/A	0.160	0.160	0.015	0.020	0.455	22.721
rs3757323	PC aa C38:3	6	152202007	T/C	0.639	0.361	0.015	0.015	0.339	21.261
rs3908820	PC aa C38:3	1	101072470	A/G	0.073	0.073	0.013	0.028	0.651	22.223
rs1826347	PC aa C38:3	3	49671654	A/C	0.514	0.486	0.010	0.015	0.491	21.623
rs1548566	PC aa C38:3	15	25755522	C/T	0.163	0.163	0.010	0.020	0.633	19.780
rs10828266	PC aa C38:3	10	22098701	A/G	0.706	0.294	0.009	0.016	0.586	25.263
rs2820311	PC aa C38:3	1	201841476	A/G	0.326	0.326	0.008	0.016	0.610	22.310
rs73050916	PC aa C38:3	19	48984060	A/G	0.467	0.467	0.007	0.015	0.645	21.173
rs1487446	PC aa C38:3	6	98565212	C/T	0.520	0.480	0.006	0.015	0.680	73.277
rs8080518	PC aa C38:3	17	45057481	T/C	0.420	0.420	0.006	0.015	0.704	25.326
rs2824408	PC aa C38:3	21	19011631	A/C	0.188	0.188	0.006	0.019	0.771	21.136
rs7613360	PC aa C38:3	3	49916710	C/T	0.388	0.388	0.005	0.015	0.716	46.096
rs6676084	PC aa C38:3	1	197094030	C/T	0.315	0.315	0.005	0.016	0.740	20.738
rs12243061	PC aa C38:3	10	78756815	T/C	0.359	0.359	0.005	0.015	0.758	21.437
rs1557341	PC aa C38:3	18	35127427	A/C	0.651	0.349	0.004	0.015	0.783	27.223
rs62167901	PC aa C38:3	2	142271919	G/A	0.115	0.115	0.004	0.023	0.861	28.715
rs2099740	PC aa C38:3	1	112704129	T/C	0.469	0.469	0.003	0.016	0.842	20.890
rs4852285	PC aa C38:3	2	72446753	A/G	0.325	0.325	0.003	0.015	0.854	26.523
rs13084427	PC aa C38:3	3	160434610	T/C	0.288	0.288	0.002	0.016	0.887	24.001
rs56187641	PC aa C38:3	5	50137152	A/G	0.141	0.141	0.001	0.021	0.965	19.742
rs574918	PC aa C38:3	12	40357647	A/G	0.831	0.169	0.001	0.019	0.978	26.443

rs117451379	PC aa C38:3	7	102389213	C/T	0.071	0.071	0.000	0.030	1.000	20.605
rs41298344	PC aa C38:3	20	62294045	C/A	0.050	0.050	0.000	0.034	0.993	22.888
rs117568533	PC aa C38:3	17	41317598	C/T	0.041	0.041	-0.001	0.038	0.984	21.930
rs71441133	PC aa C38:3	2	41355596	G/A	0.058	0.058	-0.001	0.032	0.969	23.953
rs2571009	PC aa C38:3	18	44650279	A/G	0.471	0.471	-0.002	0.015	0.913	20.139
rs71520517	PC aa C38:3	8	144473554	G/A	0.120	0.120	-0.002	0.024	0.943	24.279
rs73093445	PC aa C38:3	3	71542279	C/A	0.429	0.429	-0.002	0.015	0.892	36.001
rs329655	PC aa C38:3	11	133850516	C/A	0.471	0.471	-0.002	0.015	0.883	21.552
rs3943093	PC aa C38:3	1	243458502	C/T	0.325	0.325	-0.003	0.015	0.830	25.244
rs7806045	PC aa C38:3	7	132610266	T/C	0.237	0.237	-0.003	0.017	0.841	30.606
rs997880	PC aa C38:3	14	29848830	A/C	0.622	0.378	-0.003	0.015	0.821	24.180
rs10756793	PC aa C38:3	9	16726169	G/A	0.744	0.256	-0.004	0.017	0.835	26.884
rs10065272	PC aa C38:3	5	125372245	G/A	0.631	0.369	-0.004	0.015	0.790	23.927
rs6965619	PC aa C38:3	7	12932728	A/C	0.737	0.264	-0.004	0.017	0.809	24.746
rs4660303	PC aa C38:3	1	40060473	G/A	0.228	0.228	-0.005	0.017	0.756	20.594
rs4843613	PC aa C38:3	16	87489698	T/C	0.822	0.178	-0.006	0.019	0.769	23.731
rs4785216	PC aa C38:3	16	50579394	T/C	0.237	0.237	-0.006	0.017	0.721	20.320
rs514070	PC aa C38:3	1	88718155	G/A	0.216	0.216	-0.009	0.017	0.626	20.039
rs6868457	PC aa C38:3	5	60550041	T/C	0.477	0.477	-0.010	0.015	0.514	22.316
rs363096	PC aa C38:3	4	3180021	T/C	0.568	0.432	-0.010	0.015	0.505	32.386
rs17824247	PC aa C38:3	2	144152539	T/C	0.413	0.413	-0.011	0.015	0.479	30.205
rs6981838	PC aa C38:3	8	36820750	G/A	0.174	0.174	-0.011	0.019	0.564	21.430
rs8044030	PC aa C38:3	16	30927990	G/A	0.386	0.386	-0.011	0.015	0.449	23.530
rs13107325	PC aa C38:3	4	103188709	C/T	0.073	0.073	-0.011	0.028	0.686	41.306
rs530688	PC aa C38:3	11	78543856	T/C	0.391	0.391	-0.012	0.015	0.444	23.760
rs17207890	PC aa C38:3	11	95490754	G/A	0.343	0.343	-0.012	0.015	0.419	34.607
rs819571	PC aa C38:3	5	72828213	C/T	0.134	0.134	-0.013	0.022	0.566	22.042
rs3858030	PC aa C38:3	9	1788498	T/C	0.753	0.247	-0.014	0.017	0.413	22.386
rs56128159	PC aa C38:3	8	106336532	T/G	0.173	0.173	-0.014	0.020	0.478	19.730
rs62587113	PC aa C38:3	9	130986184	C/T	0.025	0.025	-0.015	0.050	0.765	20.032
rs264343	PC aa C38:3	5	139355252	C/T	0.230	0.230	-0.015	0.017	0.382	22.837
rs10129747	PC aa C38:3	14	77433198	A/G	0.527	0.473	-0.019	0.015	0.207	34.422
rs997652	PC aa C38:3	17	63914365	G/T	0.398	0.398	-0.019	0.015	0.211	22.579

rs17149920	PC aa C38:3	7	77837131	A/C	0.136	0.136	-0.019	0.022	0.376	20.204
rs34833142	PC aa C38:3	18	21075938	A/G	0.453	0.453	-0.019	0.015	0.197	23.153
rs6491430	PC aa C38:3	13	99178276	G/A	0.574	0.426	-0.021	0.015	0.164	21.279
rs6600140	PC aa C38:3	16	1446883	A/C	0.901	0.099	-0.021	0.025	0.401	19.381
rs35187352	PC aa C38:3	12	132697766	T/G	0.601	0.399	-0.022	0.015	0.162	21.418
rs79774233	PC aa C38:3	6	146035571	G/A	0.029	0.029	-0.023	0.043	0.599	22.804
rs28489386	PC aa C38:3	8	20974664	A/G	0.067	0.067	-0.023	0.029	0.421	20.883
rs6103023	PC aa C38:3	20	35589095	T/C	0.534	0.466	-0.030	0.015	0.044	19.629
rs3764002	PC aa C38:3	12	108618630	C/T	0.259	0.259	-0.030	0.017	0.070	24.510
rs78631379	PC aa C38:3	8	65630877	A/G	0.036	0.036	-0.032	0.043	0.459	20.217
rs12370683	PC aa C38:3	12	74580266	T/C	0.199	0.199	-0.033	0.019	0.075	20.848
rs78679681	PC aa C38:3	3	143292353	G/A	0.027	0.027	-0.034	0.045	0.443	21.800
rs4681028	PC aa C38:3	3	25628749	G/T	0.208	0.208	-0.041	0.018	0.024	20.040
rs62182099	PC aa C38:3	2	240184882	C/T	0.063	0.063	-0.045	0.030	0.129	28.106
rs12447542	PC aa C38:3	16	7744180	G/A	0.125	0.125	-0.046	0.023	0.041	23.421
rs10514350	PC aa C38:3	5	90903609	A/G	0.223	0.223	-0.055	0.017	0.002	20.120
rs144783397	PC aa C38:3	2	118141626	G/A	0.024	0.024	-0.056	0.047	0.236	21.243
rs34967803	PC aa C38:3	7	71109777	A/G	0.056	0.056	-0.082	0.033	0.013	22.885
rs360941	PC aa C38:3	4	152855276	T/C	0.026	0.026	-0.089	0.047	0.057	19.819
rs139721227	PC aa C38:4	2	56873160	C/A	0.031	0.031	0.072	0.043	0.091	20.274
rs11711620	PC aa C38:4	3	114444572	A/C	0.170	0.170	0.042	0.019	0.029	23.329
rs71441133	PC aa C38:4	2	41355596	G/A	0.058	0.058	0.040	0.032	0.216	23.953
rs1990689	PC aa C38:4	4	62918377	A/C	0.700	0.300	0.034	0.016	0.032	20.409
rs117451379	PC aa C38:4	7	102389213	C/T	0.071	0.071	0.031	0.030	0.290	20.605
rs16955848	PC aa C38:4	18	50448235	C/T	0.085	0.085	0.031	0.026	0.230	19.980
rs2635727	PC aa C38:4	6	50820940	T/C	0.747	0.253	0.029	0.017	0.077	22.589
rs17596955	PC aa C38:4	15	92556154	A/G	0.070	0.070	0.023	0.029	0.413	19.368
rs6134143	PC aa C38:4	20	1168774	T/C	0.360	0.360	0.022	0.017	0.199	22.594
rs4239593	PC aa C38:4	19	55876747	C/T	0.066	0.066	0.022	0.030	0.467	19.541
rs7613360	PC aa C38:4	3	49916710	C/T	0.388	0.388	0.022	0.015	0.144	46.096
rs144783397	PC aa C38:4	2	118141626	G/A	0.024	0.024	0.021	0.047	0.652	21.243
rs6824540	PC aa C38:4	4	180895676	G/A	0.199	0.199	0.021	0.018	0.262	20.862
rs74987819	PC aa C38:4	22	49599953	G/T	0.097	0.097	0.020	0.025	0.418	21.338

rs7932035	PC aa C38:4	11	39620131	A/G	0.805	0.195	0.018	0.018	0.336	36.324
rs62587113	PC aa C38:4	9	130986184	C/T	0.025	0.025	0.016	0.050	0.757	20.032
rs7586014	PC aa C38:4	2	30089909	G/A	0.160	0.160	0.015	0.020	0.458	22.721
rs3757323	PC aa C38:4	6	152202007	T/C	0.639	0.361	0.015	0.015	0.326	21.261
rs10828266	PC aa C38:4	10	22098701	A/G	0.706	0.294	0.015	0.016	0.357	25.263
rs12243061	PC aa C38:4	10	78756815	T/C	0.359	0.359	0.013	0.015	0.402	21.437
rs71520517	PC aa C38:4	8	144473554	G/A	0.120	0.120	0.012	0.024	0.619	24.279
rs2628041	PC aa C38:4	1	244439691	A/G	0.978	0.022	0.012	0.063	0.856	21.990
rs2820311	PC aa C38:4	1	201841476	A/G	0.326	0.326	0.010	0.016	0.534	22.310
rs6805280	PC aa C38:4	3	153151706	T/C	0.720	0.280	0.008	0.016	0.624	26.435
rs11762900	PC aa C38:4	7	1265682	C/T	0.531	0.469	0.008	0.015	0.614	21.201
rs6868457	PC aa C38:4	5	60550041	T/C	0.477	0.477	0.007	0.015	0.620	22.316
rs4667812	PC aa C38:4	2	166254401	T/G	0.239	0.239	0.007	0.017	0.699	35.108
rs7626945	PC aa C38:4	3	82405757	T/C	0.240	0.240	0.007	0.017	0.702	23.539
rs73050916	PC aa C38:4	19	48984060	A/G	0.467	0.467	0.006	0.015	0.681	21.173
rs2294567	PC aa C38:4	20	40101389	A/G	0.317	0.317	0.006	0.016	0.699	24.830
rs2571009	PC aa C38:4	18	44650279	A/G	0.471	0.471	0.006	0.015	0.687	20.139
rs1826347	PC aa C38:4	3	49671654	A/C	0.514	0.486	0.005	0.015	0.721	21.623
rs8080518	PC aa C38:4	17	45057481	T/C	0.420	0.420	0.005	0.015	0.727	25.326
rs514070	PC aa C38:4	1	88718155	G/A	0.216	0.216	0.005	0.017	0.768	20.039
rs2121289	PC aa C38:4	13	69734044	A/C	0.872	0.128	0.005	0.022	0.824	22.013
rs3858030	PC aa C38:4	9	1788498	T/C	0.753	0.247	0.003	0.017	0.863	22.386
rs13084427	PC aa C38:4	3	160434610	T/C	0.288	0.288	0.001	0.016	0.947	24.001
rs3908820	PC aa C38:4	1	101072470	A/G	0.073	0.073	0.000	0.028	0.993	22.223
rs360941	PC aa C38:4	4	152855276	T/C	0.026	0.026	0.000	0.047	0.998	19.819
rs17207890	PC aa C38:4	11	95490754	G/A	0.343	0.343	-0.001	0.015	0.976	34.607
rs4852285	PC aa C38:4	2	72446753	A/G	0.325	0.325	-0.001	0.015	0.949	26.523
rs35187352	PC aa C38:4	12	132697766	T/G	0.601	0.399	-0.002	0.015	0.922	21.418
rs2824408	PC aa C38:4	21	19011631	A/C	0.188	0.188	-0.002	0.019	0.927	21.136
rs7806045	PC aa C38:4	7	132610266	T/C	0.237	0.237	-0.002	0.017	0.896	30.606
rs73093445	PC aa C38:4	3	71542279	C/A	0.429	0.429	-0.002	0.015	0.867	36.001
rs329655	PC aa C38:4	11	133850516	C/A	0.471	0.471	-0.003	0.015	0.832	21.552
rs356194	PC aa C38:4	4	90685798	A/G	0.703	0.297	-0.003	0.016	0.848	26.014

rs62167901	PC aa C38:4	2	142271919	G/A	0.115	0.115	-0.004	0.023	0.876	28.715
rs530688	PC aa C38:4	11	78543856	T/C	0.391	0.391	-0.004	0.015	0.781	23.760
rs1548566	PC aa C38:4	15	25755522	C/T	0.163	0.163	-0.005	0.020	0.815	19.780
rs3943093	PC aa C38:4	1	243458502	C/T	0.325	0.325	-0.005	0.015	0.762	25.244
rs17149920	PC aa C38:4	7	77837131	A/C	0.136	0.136	-0.005	0.022	0.807	20.204
rs41298344	PC aa C38:4	20	62294045	C/A	0.050	0.050	-0.006	0.034	0.864	22.888
rs997880	PC aa C38:4	14	29848830	A/C	0.622	0.378	-0.006	0.015	0.679	24.180
rs1487446	PC aa C38:4	6	98565212	C/T	0.520	0.480	-0.007	0.015	0.629	73.277
rs4660303	PC aa C38:4	1	40060473	G/A	0.228	0.228	-0.007	0.017	0.686	20.594
rs1557341	PC aa C38:4	18	35127427	A/C	0.651	0.349	-0.007	0.015	0.629	27.223
rs10065272	PC aa C38:4	5	125372245	G/A	0.631	0.369	-0.008	0.015	0.602	23.927
rs4843613	PC aa C38:4	16	87489698	T/C	0.822	0.178	-0.008	0.019	0.667	23.731
rs62182099	PC aa C38:4	2	240184882	C/T	0.063	0.063	-0.009	0.030	0.770	28.106
rs2099740	PC aa C38:4	1	112704129	T/C	0.469	0.469	-0.009	0.016	0.558	20.890
rs28489386	PC aa C38:4	8	20974664	A/G	0.067	0.067	-0.010	0.029	0.745	20.883
rs12447542	PC aa C38:4	16	7744180	G/A	0.125	0.125	-0.010	0.023	0.660	23.421
rs574918	PC aa C38:4	12	40357647	A/G	0.831	0.169	-0.011	0.019	0.582	26.443
rs8044030	PC aa C38:4	16	30927990	G/A	0.386	0.386	-0.011	0.015	0.466	23.530
rs6600140	PC aa C38:4	16	1446883	A/C	0.901	0.099	-0.011	0.025	0.650	19.381
rs78631379	PC aa C38:4	8	65630877	A/G	0.036	0.036	-0.011	0.043	0.792	20.217
rs10756793	PC aa C38:4	9	16726169	G/A	0.744	0.256	-0.012	0.017	0.485	26.884
rs78679681	PC aa C38:4	3	143292353	G/A	0.027	0.027	-0.012	0.045	0.781	21.800
rs819571	PC aa C38:4	5	72828213	C/T	0.134	0.134	-0.012	0.022	0.575	22.042
rs6491430	PC aa C38:4	13	99178276	G/A	0.574	0.426	-0.013	0.015	0.389	21.279
rs6676084	PC aa C38:4	1	197094030	C/T	0.315	0.315	-0.013	0.016	0.390	20.738
rs6103023	PC aa C38:4	20	35589095	T/C	0.534	0.466	-0.016	0.015	0.290	19.629
rs17824247	PC aa C38:4	2	144152539	T/C	0.413	0.413	-0.016	0.015	0.285	30.205
rs34967803	PC aa C38:4	7	71109777	A/G	0.056	0.056	-0.016	0.033	0.619	22.885
rs4681028	PC aa C38:4	3	25628749	G/T	0.208	0.208	-0.017	0.018	0.352	20.040
rs34833142	PC aa C38:4	18	21075938	A/G	0.453	0.453	-0.018	0.015	0.234	23.153
rs4785216	PC aa C38:4	16	50579394	T/C	0.237	0.237	-0.018	0.017	0.309	20.320
rs10129747	PC aa C38:4	14	77433198	A/G	0.527	0.473	-0.019	0.015	0.194	34.422
rs56187641	PC aa C38:4	5	50137152	A/G	0.141	0.141	-0.021	0.021	0.322	19.742

rs363096	PC aa C38:4	4	3180021	T/C	0.568	0.432	-0.021	0.015	0.154	32.386
rs75838475	PC aa C38:4	2	146177061	C/T	0.134	0.134	-0.022	0.022	0.311	19.664
rs6981838	PC aa C38:4	8	36820750	G/A	0.174	0.174	-0.022	0.019	0.250	21.430
rs997652	PC aa C38:4	17	63914365	G/T	0.398	0.398	-0.024	0.015	0.107	22.579
rs10514350	PC aa C38:4	5	90903609	A/G	0.223	0.223	-0.025	0.017	0.154	20.120
rs117568533	PC aa C38:4	17	41317598	C/T	0.041	0.041	-0.027	0.038	0.464	21.930
rs264343	PC aa C38:4	5	139355252	C/T	0.230	0.230	-0.030	0.017	0.085	22.837
rs113677935	PC aa C38:4	6	92765831	G/A	0.045	0.045	-0.030	0.035	0.391	20.193
rs6965619	PC aa C38:4	7	12932728	A/C	0.737	0.264	-0.031	0.017	0.062	24.746
rs56128159	PC aa C38:4	8	106336532	T/G	0.173	0.173	-0.031	0.020	0.111	19.730
rs12370683	PC aa C38:4	12	74580266	T/C	0.199	0.199	-0.035	0.019	0.056	20.848
rs3764002	PC aa C38:4	12	108618630	C/T	0.259	0.259	-0.038	0.017	0.021	24.510
rs13107325	PC aa C38:4	4	103188709	C/T	0.073	0.073	-0.050	0.028	0.078	41.306
rs79774233	PC aa C38:4	6	146035571	G/A	0.029	0.029	-0.083	0.043	0.056	22.804
rs11711620	PC aa C38:6	3	114444572	A/C	0.170	0.170	0.061	0.019	0.001	23.329
rs2628041	PC aa C38:6	1	244439691	A/G	0.978	0.022	0.058	0.062	0.353	21.990
rs62587113	PC aa C38:6	9	130986184	C/T	0.025	0.025	0.051	0.049	0.299	20.032
rs144783397	PC aa C38:6	2	118141626	G/A	0.024	0.024	0.051	0.047	0.277	21.243
rs139721227	PC aa C38:6	2	56873160	C/A	0.031	0.031	0.048	0.042	0.251	20.274
rs73093445	PC aa C38:6	3	71542279	C/A	0.429	0.429	0.045	0.015	0.002	36.001
rs6824540	PC aa C38:6	4	180895676	G/A	0.199	0.199	0.044	0.018	0.014	20.862
rs7932035	PC aa C38:6	11	39620131	A/G	0.805	0.195	0.040	0.018	0.028	36.324
rs28489386	PC aa C38:6	8	20974664	A/G	0.067	0.067	0.039	0.029	0.174	20.883
rs10828266	PC aa C38:6	10	22098701	A/G	0.706	0.294	0.033	0.016	0.035	25.263
rs1990689	PC aa C38:6	4	62918377	A/C	0.700	0.300	0.033	0.016	0.037	20.409
rs6868457	PC aa C38:6	5	60550041	T/C	0.477	0.477	0.030	0.014	0.039	22.316
rs117451379	PC aa C38:6	7	102389213	C/T	0.071	0.071	0.030	0.029	0.314	20.605
rs71441133	PC aa C38:6	2	41355596	G/A	0.057	0.057	0.028	0.032	0.371	23.953
rs4667812	PC aa C38:6	2	166254401	T/G	0.239	0.239	0.027	0.017	0.115	35.108
rs74987819	PC aa C38:6	22	49599953	G/T	0.097	0.097	0.026	0.024	0.287	21.338
rs71520517	PC aa C38:6	8	144473554	G/A	0.120	0.120	0.022	0.024	0.363	24.279
rs2824408	PC aa C38:6	21	19011631	A/C	0.188	0.188	0.020	0.019	0.272	21.136
rs62182099	PC aa C38:6	2	240184882	C/T	0.063	0.063	0.020	0.030	0.500	28.106

rs75838475	PC aa C38:6	2	146177061	C/T	0.134	0.134	0.020	0.022	0.364	19.664
rs3757323	PC aa C38:6	6	152202007	T/C	0.639	0.361	0.019	0.015	0.219	21.261
rs997880	PC aa C38:6	14	29848830	A/C	0.622	0.378	0.016	0.015	0.275	24.180
rs7586014	PC aa C38:6	2	30089909	G/A	0.160	0.160	0.015	0.020	0.453	22.721
rs514070	PC aa C38:6	1	88718155	G/A	0.216	0.216	0.015	0.017	0.385	20.039
rs35187352	PC aa C38:6	12	132697766	T/G	0.601	0.399	0.013	0.015	0.398	21.418
rs4660303	PC aa C38:6	1	40060473	G/A	0.228	0.228	0.013	0.017	0.459	20.594
rs7806045	PC aa C38:6	7	132610266	T/C	0.237	0.237	0.013	0.017	0.450	30.606
rs819571	PC aa C38:6	5	72828213	C/T	0.134	0.134	0.012	0.022	0.577	22.042
rs17207890	PC aa C38:6	11	95490754	G/A	0.343	0.343	0.010	0.015	0.518	34.607
rs3858030	PC aa C38:6	9	1788498	T/C	0.753	0.247	0.009	0.017	0.588	22.386
rs4843613	PC aa C38:6	16	87489698	T/C	0.822	0.178	0.009	0.019	0.644	23.731
rs113677935	PC aa C38:6	6	92765831	G/A	0.045	0.045	0.007	0.035	0.838	20.193
rs360941	PC aa C38:6	4	152855276	T/C	0.026	0.026	0.007	0.046	0.879	19.819
rs12243061	PC aa C38:6	10	78756815	T/C	0.359	0.359	0.007	0.015	0.652	21.437
rs2635727	PC aa C38:6	6	50820940	T/C	0.747	0.253	0.006	0.016	0.734	22.589
rs17824247	PC aa C38:6	2	144152539	T/C	0.413	0.413	0.005	0.015	0.713	30.205
rs2121289	PC aa C38:6	13	69734044	A/C	0.872	0.128	0.005	0.022	0.813	22.013
rs11762900	PC aa C38:6	7	1265682	C/T	0.531	0.469	0.005	0.015	0.739	21.201
rs16955848	PC aa C38:6	18	50448235	C/T	0.085	0.085	0.005	0.026	0.859	19.980
rs73050916	PC aa C38:6	19	48984060	A/G	0.467	0.467	0.004	0.015	0.784	21.173
rs8080518	PC aa C38:6	17	45057481	T/C	0.420	0.420	0.004	0.015	0.791	25.326
rs4785216	PC aa C38:6	16	50579394	T/C	0.237	0.237	0.004	0.017	0.832	20.320
rs6600140	PC aa C38:6	16	1446883	A/C	0.901	0.099	0.003	0.024	0.891	19.381
rs2294567	PC aa C38:6	20	40101389	A/G	0.317	0.317	0.003	0.015	0.869	24.830
rs7626945	PC aa C38:6	3	82405757	T/C	0.240	0.240	0.002	0.017	0.907	23.539
rs6805280	PC aa C38:6	3	153151706	T/C	0.720	0.280	0.002	0.016	0.911	26.435
rs6491430	PC aa C38:6	13	99178276	G/A	0.574	0.426	0.001	0.015	0.922	21.279
rs6134143	PC aa C38:6	20	1168774	T/C	0.360	0.360	0.001	0.017	0.944	22.594
rs574918	PC aa C38:6	12	40357647	A/G	0.831	0.169	0.000	0.019	0.992	26.443
rs10756793	PC aa C38:6	9	16726169	G/A	0.744	0.256	0.000	0.017	0.985	26.884
rs56128159	PC aa C38:6	8	106336532	T/G	0.173	0.173	-0.001	0.019	0.953	19.730
rs6103023	PC aa C38:6	20	35589095	T/C	0.534	0.466	-0.002	0.015	0.906	19.629

rs3908820	PC aa C38:6	1	101072470	A/G	0.073	0.073	-0.002	0.027	0.947	22.223
rs1487446	PC aa C38:6	6	98565212	C/T	0.520	0.480	-0.002	0.014	0.894	73.277
rs78679681	PC aa C38:6	3	143292353	G/A	0.027	0.027	-0.004	0.044	0.937	21.800
rs2571009	PC aa C38:6	18	44650279	A/G	0.471	0.471	-0.004	0.015	0.805	20.139
rs3943093	PC aa C38:6	1	243458502	C/T	0.325	0.325	-0.005	0.015	0.733	25.244
rs1557341	PC aa C38:6	18	35127427	A/C	0.651	0.349	-0.006	0.015	0.715	27.223
rs530688	PC aa C38:6	11	78543856	T/C	0.391	0.391	-0.006	0.015	0.676	23.760
rs12370683	PC aa C38:6	12	74580266	T/C	0.199	0.199	-0.007	0.018	0.706	20.848
rs10129747	PC aa C38:6	14	77433198	A/G	0.527	0.473	-0.008	0.015	0.596	34.422
rs8044030	PC aa C38:6	16	30927990	G/A	0.386	0.386	-0.009	0.015	0.539	23.530
rs34833142	PC aa C38:6	18	21075938	A/G	0.453	0.453	-0.009	0.015	0.524	23.153
rs1548566	PC aa C38:6	15	25755522	C/T	0.163	0.163	-0.011	0.020	0.591	19.780
rs6965619	PC aa C38:6	7	12932728	A/C	0.737	0.264	-0.012	0.016	0.471	24.746
rs356194	PC aa C38:6	4	90685798	A/G	0.703	0.297	-0.012	0.016	0.431	26.014
rs1826347	PC aa C38:6	3	49671654	A/C	0.514	0.486	-0.013	0.015	0.374	21.623
rs41298344	PC aa C38:6	20	62294045	C/A	0.050	0.050	-0.013	0.034	0.699	22.888
rs6981838	PC aa C38:6	8	36820750	G/A	0.174	0.174	-0.014	0.019	0.482	21.430
rs13084427	PC aa C38:6	3	160434610	T/C	0.288	0.288	-0.014	0.016	0.390	24.001
rs2099740	PC aa C38:6	1	112704129	T/C	0.469	0.469	-0.015	0.016	0.343	20.890
rs10514350	PC aa C38:6	5	90903609	A/G	0.223	0.223	-0.016	0.017	0.363	20.120
rs17596955	PC aa C38:6	15	92556154	A/G	0.070	0.070	-0.016	0.028	0.578	19.368
rs4852285	PC aa C38:6	2	72446753	A/G	0.325	0.325	-0.017	0.015	0.279	26.523
rs6676084	PC aa C38:6	1	197094030	C/T	0.315	0.315	-0.017	0.015	0.271	20.738
rs264343	PC aa C38:6	5	139355252	C/T	0.230	0.230	-0.018	0.017	0.300	22.837
rs2820311	PC aa C38:6	1	201841476	A/G	0.326	0.326	-0.019	0.015	0.231	22.310
rs997652	PC aa C38:6	17	63914365	G/T	0.398	0.398	-0.019	0.015	0.198	22.579
rs10065272	PC aa C38:6	5	125372245	G/A	0.631	0.369	-0.021	0.015	0.158	23.927
rs363096	PC aa C38:6	4	3180021	T/C	0.568	0.432	-0.022	0.015	0.137	32.386
rs3764002	PC aa C38:6	12	108618630	C/T	0.259	0.259	-0.022	0.016	0.176	24.510
rs329655	PC aa C38:6	11	133850516	C/A	0.471	0.471	-0.023	0.015	0.112	21.552
rs4681028	PC aa C38:6	3	25628749	G/T	0.208	0.208	-0.026	0.018	0.154	20.040
rs7613360	PC aa C38:6	3	49916710	C/T	0.388	0.388	-0.026	0.015	0.075	46.096
rs12447542	PC aa C38:6	16	7744180	G/A	0.125	0.125	-0.027	0.022	0.237	23.421

rs13107325	PC aa C38:6	4	103188709	C/T	0.073	0.073	-0.028	0.028	0.314	41.306
rs56187641	PC aa C38:6	5	50137152	A/G	0.141	0.141	-0.029	0.021	0.164	19.742
rs117568533	PC aa C38:6	17	41317598	C/T	0.041	0.041	-0.034	0.037	0.363	21.930
rs34967803	PC aa C38:6	7	71109777	A/G	0.056	0.056	-0.034	0.033	0.291	22.885
rs78631379	PC aa C38:6	8	65630877	A/G	0.036	0.036	-0.036	0.043	0.399	20.217
rs62167901	PC aa C38:6	2	142271919	G/A	0.115	0.115	-0.039	0.023	0.088	28.715
rs17149920	PC aa C38:6	7	77837131	A/C	0.136	0.136	-0.040	0.021	0.060	20.204
rs4239593	PC aa C38:6	19	55876747	C/T	0.066	0.066	-0.064	0.030	0.032	19.541
rs79774233	PC aa C38:6	6	146035571	G/A	0.029	0.029	-0.094	0.043	0.028	22.804
rs139721227	PC aa C40:4	2	56873160	C/A	0.031	0.031	0.068	0.043	0.114	20.274
rs71441133	PC aa C40:4	2	41355596	G/A	0.057	0.057	0.054	0.032	0.090	23.953
rs7932035	PC aa C40:4	11	39620131	A/G	0.805	0.195	0.046	0.018	0.012	36.324
rs117568533	PC aa C40:4	17	41317598	C/T	0.041	0.041	0.043	0.038	0.249	21.930
rs1990689	PC aa C40:4	4	62918377	A/C	0.700	0.300	0.039	0.016	0.016	20.409
rs74987819	PC aa C40:4	22	49599953	G/T	0.097	0.097	0.030	0.025	0.216	21.338
rs11711620	PC aa C40:4	3	114444572	A/C	0.170	0.170	0.025	0.019	0.206	23.329
rs62587113	PC aa C40:4	9	130986184	C/T	0.025	0.025	0.025	0.050	0.623	20.032
rs2820311	PC aa C40:4	1	201841476	A/G	0.326	0.326	0.024	0.016	0.131	22.310
rs1487446	PC aa C40:4	6	98565212	C/T	0.520	0.480	0.023	0.015	0.117	73.277
rs4239593	PC aa C40:4	19	55876747	C/T	0.066	0.066	0.023	0.031	0.455	19.541
rs16955848	PC aa C40:4	18	50448235	C/T	0.085	0.085	0.022	0.026	0.401	19.980
rs12447542	PC aa C40:4	16	7744180	G/A	0.125	0.125	0.020	0.023	0.388	23.421
rs7586014	PC aa C40:4	2	30089909	G/A	0.160	0.160	0.020	0.021	0.341	22.721
rs144783397	PC aa C40:4	2	118141626	G/A	0.024	0.024	0.019	0.047	0.688	21.243
rs2121289	PC aa C40:4	13	69734044	A/C	0.872	0.128	0.017	0.022	0.432	22.013
rs6981838	PC aa C40:4	8	36820750	G/A	0.174	0.174	0.016	0.020	0.411	21.430
rs4667812	PC aa C40:4	2	166254401	T/G	0.239	0.239	0.016	0.017	0.352	35.108
rs11762900	PC aa C40:4	7	1265682	C/T	0.531	0.469	0.014	0.015	0.356	21.201
rs6600140	PC aa C40:4	16	1446883	A/C	0.901	0.099	0.013	0.025	0.595	19.381
rs3757323	PC aa C40:4	6	152202007	T/C	0.640	0.360	0.013	0.015	0.397	21.261
rs1826347	PC aa C40:4	3	49671654	A/C	0.514	0.486	0.012	0.015	0.398	21.623
rs4852285	PC aa C40:4	2	72446753	A/G	0.325	0.325	0.012	0.015	0.455	26.523
rs6824540	PC aa C40:4	4	180895676	G/A	0.199	0.199	0.011	0.018	0.559	20.862

rs2824408	PC aa C40:4	21	19011631	A/C	0.188	0.188	0.010	0.019	0.579	21.136
rs7806045	PC aa C40:4	7	132610266	T/C	0.236	0.236	0.010	0.017	0.538	30.606
rs6805280	PC aa C40:4	3	153151706	T/C	0.720	0.280	0.010	0.016	0.523	26.435
rs997880	PC aa C40:4	14	29848830	A/C	0.622	0.378	0.010	0.015	0.514	24.180
rs6965619	PC aa C40:4	7	12932728	A/C	0.736	0.264	0.010	0.017	0.557	24.746
rs6134143	PC aa C40:4	20	1168774	T/C	0.360	0.360	0.010	0.017	0.583	22.594
rs113677935	PC aa C40:4	6	92765831	G/A	0.045	0.045	0.009	0.035	0.792	20.193
rs13084427	PC aa C40:4	3	160434610	T/C	0.288	0.288	0.009	0.016	0.565	24.001
rs117451379	PC aa C40:4	7	102389213	C/T	0.071	0.071	0.006	0.030	0.855	20.605
rs3943093	PC aa C40:4	1	243458502	C/T	0.325	0.325	0.005	0.016	0.757	25.244
rs2294567	PC aa C40:4	20	40101389	A/G	0.317	0.317	0.004	0.016	0.784	24.830
rs6868457	PC aa C40:4	5	60550041	T/C	0.477	0.477	0.004	0.015	0.771	22.316
rs12243061	PC aa C40:4	10	78756815	T/C	0.359	0.359	0.004	0.015	0.797	21.437
rs363096	PC aa C40:4	4	3180021	T/C	0.568	0.432	0.003	0.015	0.838	32.386
rs7626945	PC aa C40:4	3	82405757	T/C	0.240	0.240	0.003	0.017	0.878	23.539
rs2635727	PC aa C40:4	6	50820940	T/C	0.747	0.253	0.001	0.017	0.948	22.589
rs3858030	PC aa C40:4	9	1788498	T/C	0.754	0.247	0.001	0.017	0.955	22.386
rs2628041	PC aa C40:4	1	244439691	A/G	0.977	0.023	0.001	0.063	0.990	21.990
rs6491430	PC aa C40:4	13	99178276	G/A	0.574	0.426	0.000	0.015	0.986	21.279
rs997652	PC aa C40:4	17	63914365	G/T	0.397	0.397	0.000	0.015	0.999	22.579
rs71520517	PC aa C40:4	8	144473554	G/A	0.120	0.120	0.000	0.024	0.993	24.279
rs73050916	PC aa C40:4	19	48984060	A/G	0.467	0.467	0.000	0.015	0.989	21.173
rs8044030	PC aa C40:4	16	30927990	G/A	0.386	0.386	0.000	0.015	0.985	23.530
rs819571	PC aa C40:4	5	72828213	C/T	0.134	0.134	0.000	0.022	0.985	22.042
rs17207890	PC aa C40:4	11	95490754	G/A	0.343	0.343	-0.001	0.015	0.958	34.607
rs4660303	PC aa C40:4	1	40060473	G/A	0.228	0.228	-0.001	0.017	0.962	20.594
rs514070	PC aa C40:4	1	88718155	G/A	0.216	0.216	-0.001	0.018	0.955	20.039
rs17824247	PC aa C40:4	2	144152539	T/C	0.413	0.413	-0.002	0.015	0.870	30.205
rs73093445	PC aa C40:4	3	71542279	C/A	0.429	0.429	-0.003	0.015	0.841	36.001
rs2571009	PC aa C40:4	18	44650279	A/G	0.471	0.471	-0.004	0.015	0.814	20.139
rs4785216	PC aa C40:4	16	50579394	T/C	0.237	0.237	-0.004	0.018	0.843	20.320
rs356194	PC aa C40:4	4	90685798	A/G	0.702	0.298	-0.005	0.016	0.745	26.014
rs17596955	PC aa C40:4	15	92556154	A/G	0.070	0.070	-0.006	0.029	0.843	19.368

rs34967803	PC aa C40:4	7	71109777	A/G	0.056	0.056	-0.006	0.033	0.863	22.885
rs6676084	PC aa C40:4	1	197094030	C/T	0.315	0.315	-0.006	0.016	0.713	20.738
rs1557341	PC aa C40:4	18	35127427	A/C	0.651	0.349	-0.007	0.016	0.676	27.223
rs329655	PC aa C40:4	11	133850516	C/A	0.471	0.471	-0.008	0.015	0.607	21.552
rs2099740	PC aa C40:4	1	112704129	T/C	0.469	0.469	-0.009	0.016	0.560	20.890
rs62182099	PC aa C40:4	2	240184882	C/T	0.063	0.063	-0.010	0.030	0.742	28.106
rs10514350	PC aa C40:4	5	90903609	A/G	0.223	0.223	-0.010	0.017	0.553	20.120
rs34833142	PC aa C40:4	18	21075938	A/G	0.453	0.453	-0.011	0.015	0.476	23.153
rs264343	PC aa C40:4	5	139355252	C/T	0.229	0.229	-0.011	0.017	0.515	22.837
rs6103023	PC aa C40:4	20	35589095	T/C	0.534	0.466	-0.012	0.015	0.425	19.629
rs10065272	PC aa C40:4	5	125372245	G/A	0.631	0.369	-0.012	0.015	0.433	23.927
rs10828266	PC aa C40:4	10	22098701	A/G	0.706	0.294	-0.012	0.016	0.456	25.263
rs7613360	PC aa C40:4	3	49916710	C/T	0.388	0.388	-0.014	0.015	0.335	46.096
rs3908820	PC aa C40:4	1	101072470	A/G	0.073	0.073	-0.016	0.028	0.570	22.223
rs530688	PC aa C40:4	11	78543856	T/C	0.391	0.391	-0.016	0.015	0.291	23.760
rs574918	PC aa C40:4	12	40357647	A/G	0.831	0.169	-0.016	0.020	0.401	26.443
rs1548566	PC aa C40:4	15	25755522	C/T	0.163	0.163	-0.018	0.020	0.369	19.780
rs3764002	PC aa C40:4	12	108618630	C/T	0.259	0.259	-0.020	0.017	0.228	24.510
rs17149920	PC aa C40:4	7	77837131	A/C	0.136	0.136	-0.021	0.022	0.340	20.204
rs8080518	PC aa C40:4	17	45057481	T/C	0.419	0.419	-0.021	0.015	0.171	25.326
rs12370683	PC aa C40:4	12	74580266	T/C	0.199	0.199	-0.021	0.019	0.260	20.848
rs360941	PC aa C40:4	4	152855276	T/C	0.026	0.026	-0.021	0.047	0.649	19.819
rs4843613	PC aa C40:4	16	87489698	T/C	0.822	0.178	-0.022	0.019	0.257	23.731
rs35187352	PC aa C40:4	12	132697766	T/G	0.600	0.400	-0.022	0.016	0.158	21.418
rs56128159	PC aa C40:4	8	106336532	T/G	0.173	0.173	-0.022	0.020	0.252	19.730
rs78679681	PC aa C40:4	3	143292353	G/A	0.027	0.027	-0.026	0.045	0.567	21.800
rs78631379	PC aa C40:4	8	65630877	A/G	0.036	0.036	-0.026	0.043	0.546	20.217
rs75838475	PC aa C40:4	2	146177061	C/T	0.134	0.134	-0.029	0.022	0.189	19.664
rs10129747	PC aa C40:4	14	77433198	A/G	0.527	0.473	-0.032	0.015	0.029	34.422
rs56187641	PC aa C40:4	5	50137152	A/G	0.141	0.141	-0.034	0.021	0.108	19.742
rs10756793	PC aa C40:4	9	16726169	G/A	0.744	0.256	-0.035	0.017	0.040	26.884
rs62167901	PC aa C40:4	2	142271919	G/A	0.115	0.115	-0.038	0.023	0.100	28.715
rs28489386	PC aa C40:4	8	20974664	A/G	0.067	0.067	-0.045	0.029	0.125	20.883

rs41298344	PC aa C40:4	20	62294045	C/A	0.050	0.050	-0.048	0.035	0.164	22.888
rs13107325	PC aa C40:4	4	103188709	C/T	0.072	0.072	-0.049	0.028	0.085	41.306
rs4681028	PC aa C40:4	3	25628749	G/T	0.208	0.208	-0.050	0.018	0.007	20.040
rs79774233	PC aa C40:4	6	146035571	G/A	0.029	0.029	-0.074	0.044	0.090	22.804
rs144783397	PC aa C42:2	2	118141626	G/A	0.025	0.025	0.048	0.048	0.316	21.243
rs2820311	PC aa C42:2	1	201841476	A/G	0.325	0.325	0.041	0.016	0.010	22.310
rs6134143	PC aa C42:2	20	1168774	T/C	0.360	0.360	0.040	0.018	0.023	22.594
rs4843613	PC aa C42:2	16	87489698	T/C	0.823	0.178	0.032	0.019	0.101	23.731
rs73093445	PC aa C42:2	3	71542279	C/A	0.429	0.429	0.028	0.015	0.056	36.001
rs6868457	PC aa C42:2	5	60550041	T/C	0.477	0.477	0.028	0.015	0.058	22.316
rs6103023	PC aa C42:2	20	35589095	T/C	0.534	0.466	0.026	0.015	0.083	19.629
rs6600140	PC aa C42:2	16	1446883	A/C	0.901	0.099	0.025	0.025	0.315	19.381
rs997880	PC aa C42:2	14	29848830	A/C	0.622	0.378	0.023	0.015	0.137	24.180
rs17207890	PC aa C42:2	11	95490754	G/A	0.343	0.343	0.023	0.016	0.145	34.607
rs75838475	PC aa C42:2	2	146177061	C/T	0.133	0.133	0.022	0.022	0.320	19.664
rs28489386	PC aa C42:2	8	20974664	A/G	0.067	0.067	0.021	0.030	0.488	20.883
rs2635727	PC aa C42:2	6	50820940	T/C	0.747	0.253	0.019	0.017	0.266	22.589
rs7806045	PC aa C42:2	7	132610266	T/C	0.236	0.236	0.018	0.017	0.307	30.606
rs17824247	PC aa C42:2	2	144152539	T/C	0.413	0.413	0.017	0.015	0.267	30.205
rs1990689	PC aa C42:2	4	62918377	A/C	0.700	0.300	0.015	0.016	0.359	20.409
rs6805280	PC aa C42:2	3	153151706	T/C	0.720	0.280	0.014	0.016	0.399	26.435
rs11711620	PC aa C42:2	3	114444572	A/C	0.170	0.170	0.014	0.020	0.490	23.329
rs2628041	PC aa C42:2	1	244439691	A/G	0.978	0.022	0.014	0.064	0.832	21.990
rs11762900	PC aa C42:2	7	1265682	C/T	0.531	0.470	0.013	0.015	0.399	21.201
rs6981838	PC aa C42:2	8	36820750	G/A	0.173	0.173	0.013	0.020	0.517	21.430
rs3858030	PC aa C42:2	9	1788498	T/C	0.754	0.246	0.012	0.017	0.498	22.386
rs10828266	PC aa C42:2	10	22098701	A/G	0.706	0.294	0.012	0.016	0.476	25.263
rs73050916	PC aa C42:2	19	48984060	A/G	0.466	0.466	0.011	0.015	0.461	21.173
rs56187641	PC aa C42:2	5	50137152	A/G	0.141	0.141	0.011	0.021	0.624	19.742
rs3757323	PC aa C42:2	6	152202007	T/C	0.640	0.361	0.010	0.016	0.540	21.261
rs4667812	PC aa C42:2	2	166254401	T/G	0.238	0.238	0.009	0.017	0.585	35.108
rs74987819	PC aa C42:2	22	49599953	G/T	0.097	0.097	0.009	0.025	0.716	21.338
rs7586014	PC aa C42:2	2	30089909	G/A	0.160	0.160	0.008	0.021	0.714	22.721

rs4785216	PC aa C42:2	16	50579394	T/C	0.238	0.238	0.007	0.018	0.679	20.320
rs3764002	PC aa C42:2	12	108618630	C/T	0.259	0.259	0.007	0.017	0.699	24.510
rs1548566	PC aa C42:2	15	25755522	C/T	0.163	0.163	0.006	0.020	0.760	19.780
rs1487446	PC aa C42:2	6	98565212	C/T	0.520	0.480	0.005	0.015	0.715	73.277
rs7613360	PC aa C42:2	3	49916710	C/T	0.388	0.388	0.005	0.015	0.728	46.096
rs71520517	PC aa C42:2	8	144473554	G/A	0.120	0.120	0.005	0.024	0.838	24.279
rs7932035	PC aa C42:2	11	39620131	A/G	0.805	0.195	0.005	0.019	0.806	36.324
rs4852285	PC aa C42:2	2	72446753	A/G	0.326	0.326	0.005	0.016	0.773	26.523
rs514070	PC aa C42:2	1	88718155	G/A	0.216	0.216	0.004	0.018	0.834	20.039
rs6965619	PC aa C42:2	7	12932728	A/C	0.737	0.264	0.003	0.017	0.846	24.746
rs819571	PC aa C42:2	5	72828213	C/T	0.134	0.134	0.002	0.023	0.914	22.042
rs35187352	PC aa C42:2	12	132697766	T/G	0.601	0.399	0.002	0.016	0.886	21.418
rs34967803	PC aa C42:2	7	71109777	A/G	0.056	0.056	0.002	0.033	0.949	22.885
rs12243061	PC aa C42:2	10	78756815	T/C	0.359	0.359	0.001	0.016	0.960	21.437
rs41298344	PC aa C42:2	20	62294045	C/A	0.050	0.050	0.000	0.035	0.991	22.888
rs8044030	PC aa C42:2	16	30927990	G/A	0.386	0.386	0.000	0.015	0.993	23.530
rs17149920	PC aa C42:2	7	77837131	A/C	0.136	0.136	0.000	0.022	1.000	20.204
rs2571009	PC aa C42:2	18	44650279	A/G	0.472	0.472	0.000	0.015	0.983	20.139
rs56128159	PC aa C42:2	8	106336532	T/G	0.173	0.173	-0.001	0.020	0.948	19.730
rs264343	PC aa C42:2	5	139355252	C/T	0.229	0.229	-0.001	0.018	0.936	22.837
rs139721227	PC aa C42:2	2	56873160	C/A	0.031	0.031	-0.002	0.043	0.968	20.274
rs356194	PC aa C42:2	4	90685798	A/G	0.703	0.297	-0.002	0.016	0.918	26.014
rs4660303	PC aa C42:2	1	40060473	G/A	0.228	0.228	-0.002	0.018	0.911	20.594
rs79774233	PC aa C42:2	6	146035571	G/A	0.029	0.029	-0.002	0.044	0.959	22.804
rs363096	PC aa C42:2	4	3180021	T/C	0.569	0.431	-0.004	0.015	0.810	32.386
rs10756793	PC aa C42:2	9	16726169	G/A	0.743	0.257	-0.004	0.017	0.808	26.884
rs6824540	PC aa C42:2	4	180895676	G/A	0.199	0.199	-0.005	0.019	0.797	20.862
rs34833142	PC aa C42:2	18	21075938	A/G	0.453	0.453	-0.005	0.015	0.739	23.153
rs10065272	PC aa C42:2	5	125372245	G/A	0.631	0.369	-0.005	0.015	0.740	23.927
rs1826347	PC aa C42:2	3	49671654	A/C	0.515	0.486	-0.006	0.015	0.706	21.623
rs3908820	PC aa C42:2	1	101072470	A/G	0.073	0.073	-0.007	0.028	0.817	22.223
rs117451379	PC aa C42:2	7	102389213	C/T	0.071	0.071	-0.009	0.030	0.775	20.605
rs71441133	PC aa C42:2	2	41355596	G/A	0.058	0.058	-0.009	0.032	0.789	23.953

rs78679681	PC aa C42:2	3	143292353	G/A	0.027	0.027	-0.009	0.046	0.837	21.800
rs12447542	PC aa C42:2	16	7744180	G/A	0.125	0.125	-0.011	0.023	0.649	23.421
rs2294567	PC aa C42:2	20	40101389	A/G	0.316	0.316	-0.011	0.016	0.487	24.830
rs530688	PC aa C42:2	11	78543856	T/C	0.391	0.391	-0.011	0.015	0.470	23.760
rs997652	PC aa C42:2	17	63914365	G/T	0.397	0.397	-0.011	0.015	0.458	22.579
rs6491430	PC aa C42:2	13	99178276	G/A	0.574	0.426	-0.011	0.015	0.448	21.279
rs3943093	PC aa C42:2	1	243458502	C/T	0.324	0.324	-0.012	0.016	0.439	25.244
rs4681028	PC aa C42:2	3	25628749	G/T	0.208	0.208	-0.013	0.019	0.501	20.040
rs17596955	PC aa C42:2	15	92556154	A/G	0.070	0.070	-0.013	0.029	0.653	19.368
rs4239593	PC aa C42:2	19	55876747	C/T	0.066	0.066	-0.014	0.031	0.643	19.541
rs16955848	PC aa C42:2	18	50448235	C/T	0.084	0.084	-0.015	0.027	0.583	19.980
rs10129747	PC aa C42:2	14	77433198	A/G	0.528	0.472	-0.015	0.015	0.313	34.422
rs1557341	PC aa C42:2	18	35127427	A/C	0.652	0.348	-0.015	0.016	0.336	27.223
rs7626945	PC aa C42:2	3	82405757	T/C	0.241	0.241	-0.015	0.017	0.381	23.539
rs62587113	PC aa C42:2	9	130986184	C/T	0.025	0.025	-0.017	0.051	0.743	20.032
rs113677935	PC aa C42:2	6	92765831	G/A	0.045	0.045	-0.017	0.036	0.639	20.193
rs2824408	PC aa C42:2	21	19011631	A/C	0.188	0.188	-0.018	0.019	0.334	21.136
rs6676084	PC aa C42:2	1	197094030	C/T	0.314	0.314	-0.019	0.016	0.240	20.738
rs13107325	PC aa C42:2	4	103188709	C/T	0.073	0.073	-0.020	0.029	0.477	41.306
rs10514350	PC aa C42:2	5	90903609	A/G	0.223	0.223	-0.022	0.018	0.213	20.120
rs13084427	PC aa C42:2	3	160434610	T/C	0.288	0.288	-0.023	0.016	0.166	24.001
rs8080518	PC aa C42:2	17	45057481	T/C	0.419	0.419	-0.023	0.015	0.134	25.326
rs12370683	PC aa C42:2	12	74580266	T/C	0.199	0.199	-0.024	0.019	0.211	20.848
rs2099740	PC aa C42:2	1	112704129	T/C	0.469	0.469	-0.029	0.016	0.068	20.890
rs574918	PC aa C42:2	12	40357647	A/G	0.831	0.169	-0.037	0.020	0.060	26.443
rs2121289	PC aa C42:2	13	69734044	A/C	0.872	0.128	-0.039	0.022	0.080	22.013
rs329655	PC aa C42:2	11	133850516	C/A	0.470	0.470	-0.039	0.015	0.009	21.552
rs360941	PC aa C42:2	4	152855276	T/C	0.026	0.026	-0.046	0.048	0.335	19.819
rs62182099	PC aa C42:2	2	240184882	C/T	0.063	0.063	-0.048	0.030	0.119	28.106
rs62167901	PC aa C42:2	2	142271919	G/A	0.115	0.115	-0.053	0.023	0.024	28.715
rs78631379	PC aa C42:2	8	65630877	A/G	0.036	0.036	-0.093	0.044	0.034	20.217
rs117568533	PC aa C42:2	17	41317598	C/T	0.041	0.041	-0.118	0.038	0.002	21.930
rs144783397	PC aa C42:6	2	118141626	G/A	0.024	0.024	0.070	0.048	0.150	21.243

rs6600140	PC aa C42:6	16	1446883	A/C	0.901	0.099	0.052	0.025	0.041	19.381
rs139721227	PC aa C42:6	2	56873160	C/A	0.031	0.031	0.050	0.043	0.247	20.274
rs6824540	PC aa C42:6	4	180895676	G/A	0.199	0.199	0.035	0.019	0.061	20.862
rs16955848	PC aa C42:6	18	50448235	C/T	0.085	0.085	0.033	0.027	0.214	19.980
rs12070802	PC aa C42:6	1	98438755	T/G	0.186	0.186	0.032	0.021	0.132	24.028
rs6805280	PC aa C42:6	3	153151706	T/C	0.719	0.281	0.031	0.017	0.063	26.435
rs73093445	PC aa C42:6	3	71542279	C/A	0.427	0.427	0.028	0.015	0.063	36.001
rs2635727	PC aa C42:6	6	50820940	T/C	0.747	0.253	0.026	0.017	0.123	22.589
rs62182099	PC aa C42:6	2	240184882	C/T	0.063	0.063	0.025	0.031	0.406	28.106
rs78631379	PC aa C42:6	8	65630877	A/G	0.036	0.036	0.025	0.044	0.570	20.217
rs185123354	PC aa C42:6	6	25853521	T/C	0.112	0.112	0.023	0.030	0.443	22.634
rs1990689	PC aa C42:6	4	62918377	A/C	0.699	0.301	0.021	0.016	0.196	20.409
rs2099740	PC aa C42:6	1	112704129	T/C	0.469	0.469	0.021	0.016	0.197	20.890
rs4852285	PC aa C42:6	2	72446753	A/G	0.325	0.325	0.021	0.016	0.191	26.523
rs3858030	PC aa C42:6	9	1788498	T/C	0.753	0.247	0.020	0.017	0.236	22.386
rs4660303	PC aa C42:6	1	40060473	G/A	0.228	0.228	0.020	0.018	0.254	20.594
rs34833142	PC aa C42:6	18	21075938	A/G	0.453	0.453	0.020	0.015	0.194	23.153
rs10756793	PC aa C42:6	9	16726169	G/A	0.745	0.255	0.019	0.017	0.270	26.884
rs7932035	PC aa C42:6	11	39620131	A/G	0.805	0.195	0.019	0.019	0.318	36.324
rs2628041	PC aa C42:6	1	244439691	A/G	0.977	0.023	0.018	0.065	0.779	21.990
rs3908820	PC aa C42:6	1	101072470	A/G	0.073	0.073	0.018	0.028	0.539	22.223
rs2571009	PC aa C42:6	18	44650279	A/G	0.472	0.472	0.017	0.015	0.248	20.139
rs10828266	PC aa C42:6	10	22098701	A/G	0.706	0.294	0.017	0.016	0.288	25.263
rs17149920	PC aa C42:6	7	77837131	A/C	0.137	0.137	0.017	0.022	0.435	20.204
rs4785216	PC aa C42:6	16	50579394	T/C	0.238	0.238	0.016	0.018	0.365	20.320
rs12447542	PC aa C42:6	16	7744180	G/A	0.125	0.125	0.015	0.023	0.532	23.421
rs78876823	PC aa C42:6	5	26034698	C/T	0.363	0.363	0.014	0.017	0.417	22.021
rs356194	PC aa C42:6	4	90685798	A/G	0.701	0.299	0.013	0.016	0.421	26.014
rs71441133	PC aa C42:6	2	41355596	G/A	0.057	0.057	0.012	0.033	0.711	23.953
rs6868457	PC aa C42:6	5	60550041	T/C	0.477	0.477	0.011	0.015	0.465	22.316
rs73050916	PC aa C42:6	19	48984060	A/G	0.467	0.467	0.008	0.015	0.592	21.173
rs3757323	PC aa C42:6	6	152202007	T/C	0.640	0.360	0.007	0.016	0.639	21.261
rs56128159	PC aa C42:6	8	106336532	T/G	0.173	0.173	0.006	0.020	0.754	19.730

rs8080518	PC aa C42:6	17	45057481	T/C	0.419	0.419	0.006	0.015	0.692	25.326
rs56187641	PC aa C42:6	5	50137152	A/G	0.140	0.140	0.006	0.022	0.796	19.742
rs34967803	PC aa C42:6	7	71109777	A/G	0.056	0.056	0.005	0.034	0.874	22.885
rs12243061	PC aa C42:6	10	78756815	T/C	0.360	0.360	0.005	0.016	0.766	21.437
rs117568533	PC aa C42:6	17	41317598	C/T	0.041	0.041	0.004	0.038	0.909	21.930
rs17207890	PC aa C42:6	11	95490754	G/A	0.343	0.343	0.003	0.016	0.834	34.607
rs4681028	PC aa C42:6	3	25628749	G/T	0.207	0.207	0.003	0.019	0.869	20.040
rs78679681	PC aa C42:6	3	143292353	G/A	0.027	0.027	0.003	0.046	0.951	21.800
rs7626945	PC aa C42:6	3	82405757	T/C	0.240	0.240	0.002	0.017	0.890	23.539
rs1487446	PC aa C42:6	6	98565212	C/T	0.519	0.481	0.002	0.015	0.899	73.277
rs819571	PC aa C42:6	5	72828213	C/T	0.134	0.134	0.002	0.023	0.939	22.042
rs4667812	PC aa C42:6	2	166254401	T/G	0.238	0.238	-0.001	0.018	0.948	35.108
rs997880	PC aa C42:6	14	29848830	A/C	0.622	0.378	-0.002	0.016	0.911	24.180
rs6134143	PC aa C42:6	20	1168774	T/C	0.360	0.360	-0.002	0.018	0.907	22.594
rs11762900	PC aa C42:6	7	1265682	C/T	0.531	0.470	-0.002	0.015	0.887	21.201
rs3943093	PC aa C42:6	1	243458502	C/T	0.325	0.325	-0.003	0.016	0.872	25.244
rs7613360	PC aa C42:6	3	49916710	C/T	0.389	0.389	-0.003	0.015	0.868	46.096
rs35187352	PC aa C42:6	12	132697766	T/G	0.599	0.401	-0.003	0.016	0.863	21.418
rs7586014	PC aa C42:6	2	30089909	G/A	0.159	0.159	-0.003	0.021	0.890	22.721
rs11711620	PC aa C42:6	3	114444572	A/C	0.170	0.170	-0.003	0.020	0.880	23.329
rs17824247	PC aa C42:6	2	144152539	T/C	0.413	0.413	-0.003	0.015	0.832	30.205
rs7806045	PC aa C42:6	7	132610266	T/C	0.236	0.236	-0.004	0.017	0.838	30.606
rs1557341	PC aa C42:6	18	35127427	A/C	0.652	0.349	-0.004	0.016	0.806	27.223
rs514070	PC aa C42:6	1	88718155	G/A	0.217	0.217	-0.004	0.018	0.824	20.039
rs2294567	PC aa C42:6	20	40101389	A/G	0.317	0.317	-0.004	0.016	0.798	24.830
rs6103023	PC aa C42:6	20	35589095	T/C	0.535	0.466	-0.005	0.015	0.750	19.629
rs6731647	PC aa C42:6	2	60704739	T/G	0.453	0.453	-0.006	0.016	0.712	20.006
rs1548566	PC aa C42:6	15	25755522	C/T	0.163	0.163	-0.007	0.021	0.743	19.780
rs113677935	PC aa C42:6	6	92765831	G/A	0.045	0.045	-0.007	0.036	0.851	20.193
rs28489386	PC aa C42:6	8	20974664	A/G	0.067	0.067	-0.008	0.030	0.795	20.883
rs3764002	PC aa C42:6	12	108618630	C/T	0.259	0.259	-0.008	0.017	0.623	24.510
rs13084427	PC aa C42:6	3	160434610	T/C	0.287	0.287	-0.009	0.017	0.601	24.001
rs2824408	PC aa C42:6	21	19011631	A/C	0.188	0.188	-0.009	0.019	0.649	21.136

rs363096	PC aa C42:6	4	3180021	T/C	0.569	0.431	-0.009	0.015	0.537	32.386
rs75838475	PC aa C42:6	2	146177061	C/T	0.134	0.134	-0.010	0.022	0.665	19.664
rs2805444	PC aa C42:6	1	237691095	G/A	0.757	0.243	-0.010	0.019	0.592	19.835
rs10065272	PC aa C42:6	5	125372245	G/A	0.631	0.369	-0.012	0.016	0.451	23.927
rs13107325	PC aa C42:6	4	103188709	C/T	0.072	0.072	-0.012	0.029	0.668	41.306
rs6676084	PC aa C42:6	1	197094030	C/T	0.316	0.316	-0.013	0.016	0.415	20.738
rs264343	PC aa C42:6	5	139355252	C/T	0.231	0.231	-0.014	0.018	0.444	22.837
rs6965619	PC aa C42:6	7	12932728	A/C	0.736	0.264	-0.015	0.017	0.379	24.746
rs6491430	PC aa C42:6	13	99178276	G/A	0.574	0.426	-0.016	0.015	0.282	21.279
rs71520517	PC aa C42:6	8	144473554	G/A	0.120	0.120	-0.016	0.025	0.508	24.279
rs6981838	PC aa C42:6	8	36820750	G/A	0.173	0.173	-0.017	0.020	0.384	21.430
rs2820311	PC aa C42:6	1	201841476	A/G	0.326	0.326	-0.018	0.016	0.264	22.310
rs4843613	PC aa C42:6	16	87489698	T/C	0.822	0.178	-0.019	0.020	0.338	23.731
rs12370683	PC aa C42:6	12	74580266	T/C	0.199	0.199	-0.019	0.019	0.321	20.848
rs17596955	PC aa C42:6	15	92556154	A/G	0.070	0.070	-0.019	0.029	0.514	19.368
rs1241781	PC aa C42:6	14	42287845	C/A	0.505	0.496	-0.020	0.016	0.209	25.960
rs1826347	PC aa C42:6	3	49671654	A/C	0.514	0.486	-0.022	0.015	0.153	21.623
rs8044030	PC aa C42:6	16	30927990	G/A	0.385	0.385	-0.022	0.015	0.152	23.530
rs574918	PC aa C42:6	12	40357647	A/G	0.831	0.169	-0.025	0.020	0.214	26.443
rs997652	PC aa C42:6	17	63914365	G/T	0.397	0.397	-0.026	0.015	0.087	22.579
rs10514350	PC aa C42:6	5	90903609	A/G	0.223	0.223	-0.027	0.018	0.129	20.120
rs373729300	PC aa C42:6	12	80877090	A/G	0.144	0.144	-0.028	0.024	0.255	23.978
rs2121289	PC aa C42:6	13	69734044	A/C	0.873	0.127	-0.028	0.023	0.215	22.013
rs74987819	PC aa C42:6	22	49599953	G/T	0.098	0.098	-0.028	0.025	0.265	21.338
rs10129747	PC aa C42:6	14	77433198	A/G	0.527	0.473	-0.032	0.015	0.034	34.422
rs329655	PC aa C42:6	11	133850516	C/A	0.471	0.471	-0.033	0.015	0.029	21.552
rs117451379	PC aa C42:6	7	102389213	C/T	0.071	0.071	-0.033	0.031	0.276	20.605
rs571129804	PC aa C42:6	2	50745784	T/C	0.130	0.130	-0.039	0.024	0.106	24.034
rs62167901	PC aa C42:6	2	142271919	G/A	0.115	0.115	-0.043	0.024	0.069	28.715
rs530688	PC aa C42:6	11	78543856	T/C	0.390	0.390	-0.044	0.015	0.005	23.760
rs360941	PC aa C42:6	4	152855276	T/C	0.026	0.026	-0.046	0.048	0.345	19.819
rs79774233	PC aa C42:6	6	146035571	G/A	0.029	0.029	-0.048	0.045	0.286	22.804
rs62587113	PC aa C42:6	9	130986184	C/T	0.025	0.025	-0.054	0.051	0.292	20.032

rs4239593	PC aa C42:6	19	55876747	C/T	0.066	0.066	-0.059	0.031	0.060	19.541
rs41298344	PC aa C42:6	20	62294045	C/A	0.050	0.050	-0.111	0.035	0.002	22.888
rs139721227	PC ae C34:2	2	56873160	C/A	0.031	0.031	0.050	0.042	0.240	20.274
rs6824540	PC ae C34:2	4	180895676	G/A	0.199	0.199	0.041	0.018	0.025	20.862
rs1990689	PC ae C34:2	4	62918377	A/C	0.700	0.300	0.038	0.016	0.017	20.409
rs4667812	PC ae C34:2	2	166254401	T/G	0.239	0.239	0.036	0.017	0.035	35.108
rs78679681	PC ae C34:2	3	143292353	G/A	0.027	0.027	0.031	0.044	0.480	21.800
rs3908820	PC ae C34:2	1	101072470	A/G	0.073	0.073	0.030	0.028	0.274	22.223
rs11762900	PC ae C34:2	7	1265682	C/T	0.531	0.469	0.028	0.015	0.063	21.201
rs819571	PC ae C34:2	5	72828213	C/T	0.134	0.134	0.027	0.022	0.219	22.042
rs28489386	PC ae C34:2	8	20974664	A/G	0.067	0.067	0.026	0.029	0.367	20.883
rs6600140	PC ae C34:2	16	1446883	A/C	0.901	0.099	0.026	0.024	0.295	19.381
rs1557341	PC ae C34:2	18	35127427	A/C	0.651	0.349	0.025	0.015	0.104	27.223
rs3757323	PC ae C34:2	6	152202007	T/C	0.639	0.361	0.023	0.015	0.132	21.261
rs34833142	PC ae C34:2	18	21075938	A/G	0.453	0.453	0.022	0.015	0.138	23.153
rs6868457	PC ae C34:2	5	60550041	T/C	0.477	0.477	0.022	0.015	0.135	22.316
rs71441133	PC ae C34:2	2	41355596	G/A	0.058	0.058	0.018	0.032	0.562	23.953
rs1548566	PC ae C34:2	15	25755522	C/T	0.163	0.163	0.017	0.020	0.383	19.780
rs74987819	PC ae C34:2	22	49599953	G/T	0.097	0.097	0.017	0.024	0.494	21.338
rs12243061	PC ae C34:2	10	78756815	T/C	0.359	0.359	0.015	0.015	0.325	21.437
rs6676084	PC ae C34:2	1	197094030	C/T	0.315	0.315	0.015	0.015	0.340	20.738
rs4785216	PC ae C34:2	16	50579394	T/C	0.237	0.237	0.014	0.017	0.410	20.320
rs117568533	PC ae C34:2	17	41317598	C/T	0.041	0.041	0.014	0.037	0.704	21.930
rs8044030	PC ae C34:2	16	30927990	G/A	0.386	0.386	0.014	0.015	0.343	23.530
rs264343	PC ae C34:2	5	139355252	C/T	0.230	0.230	0.013	0.017	0.455	22.837
rs11711620	PC ae C34:2	3	114444572	A/C	0.170	0.170	0.012	0.019	0.523	23.329
rs17207890	PC ae C34:2	11	95490754	G/A	0.343	0.343	0.012	0.015	0.419	34.607
rs144783397	PC ae C34:2	2	118141626	G/A	0.024	0.024	0.012	0.047	0.795	21.243
rs4843613	PC ae C34:2	16	87489698	T/C	0.822	0.178	0.012	0.019	0.520	23.731
rs17149920	PC ae C34:2	7	77837131	A/C	0.136	0.136	0.012	0.021	0.578	20.204
rs2121289	PC ae C34:2	13	69734044	A/C	0.872	0.128	0.011	0.022	0.609	22.013
rs12370683	PC ae C34:2	12	74580266	T/C	0.199	0.199	0.011	0.018	0.552	20.848
rs4681028	PC ae C34:2	3	25628749	G/T	0.208	0.208	0.011	0.018	0.552	20.040

rs10129747	PC ae C34:2	14	77433198	A/G	0.527	0.473	0.010	0.015	0.497	34.422
rs6103023	PC ae C34:2	20	35589095	T/C	0.534	0.466	0.010	0.015	0.513	19.629
rs7806045	PC ae C34:2	7	132610266	T/C	0.237	0.237	0.009	0.017	0.605	30.606
rs7586014	PC ae C34:2	2	30089909	G/A	0.160	0.160	0.008	0.020	0.683	22.721
rs2824408	PC ae C34:2	21	19011631	A/C	0.188	0.188	0.007	0.019	0.722	21.136
rs6491430	PC ae C34:2	13	99178276	G/A	0.574	0.426	0.006	0.015	0.700	21.279
rs56128159	PC ae C34:2	8	106336532	T/G	0.173	0.173	0.005	0.019	0.784	19.730
rs997880	PC ae C34:2	14	29848830	A/C	0.622	0.378	0.005	0.015	0.743	24.180
rs6134143	PC ae C34:2	20	1168774	T/C	0.360	0.360	0.004	0.017	0.817	22.594
rs75838475	PC ae C34:2	2	146177061	C/T	0.134	0.134	0.004	0.022	0.852	19.664
rs2294567	PC ae C34:2	20	40101389	A/G	0.317	0.317	0.004	0.016	0.807	24.830
rs71520517	PC ae C34:2	8	144473554	G/A	0.120	0.120	0.003	0.024	0.917	24.279
rs1826347	PC ae C34:2	3	49671654	A/C	0.514	0.486	0.002	0.015	0.878	21.623
rs35187352	PC ae C34:2	12	132697766	T/G	0.601	0.399	0.002	0.015	0.923	21.418
rs8080518	PC ae C34:2	17	45057481	T/C	0.420	0.420	0.000	0.015	0.981	25.326
rs574918	PC ae C34:2	12	40357647	A/G	0.831	0.169	0.000	0.019	0.988	26.443
rs7613360	PC ae C34:2	3	49916710	C/T	0.388	0.388	0.000	0.015	0.992	46.096
rs2628041	PC ae C34:2	1	244439691	A/G	0.978	0.022	-0.002	0.063	0.981	21.990
rs6805280	PC ae C34:2	3	153151706	T/C	0.720	0.280	-0.002	0.016	0.904	26.435
rs360941	PC ae C34:2	4	152855276	T/C	0.026	0.026	-0.002	0.047	0.959	19.819
rs73050916	PC ae C34:2	19	48984060	A/G	0.467	0.467	-0.003	0.015	0.865	21.173
rs62182099	PC ae C34:2	2	240184882	C/T	0.063	0.063	-0.003	0.030	0.919	28.106
rs6965619	PC ae C34:2	7	12932728	A/C	0.737	0.264	-0.003	0.016	0.839	24.746
rs530688	PC ae C34:2	11	78543856	T/C	0.391	0.391	-0.004	0.015	0.816	23.760
rs10828266	PC ae C34:2	10	22098701	A/G	0.706	0.294	-0.004	0.016	0.814	25.263
rs3943093	PC ae C34:2	1	243458502	C/T	0.325	0.325	-0.004	0.015	0.810	25.244
rs73093445	PC ae C34:2	3	71542279	C/A	0.429	0.429	-0.004	0.015	0.794	36.001
rs2571009	PC ae C34:2	18	44650279	A/G	0.471	0.471	-0.005	0.015	0.751	20.139
rs7626945	PC ae C34:2	3	82405757	T/C	0.240	0.240	-0.005	0.017	0.770	23.539
rs13084427	PC ae C34:2	3	160434610	T/C	0.288	0.288	-0.005	0.016	0.757	24.001
rs2099740	PC ae C34:2	1	112704129	T/C	0.469	0.469	-0.006	0.016	0.722	20.890
rs329655	PC ae C34:2	11	133850516	C/A	0.471	0.471	-0.006	0.015	0.694	21.552
rs17596955	PC ae C34:2	15	92556154	A/G	0.070	0.070	-0.007	0.028	0.820	19.368

rs7932035	PC ae C34:2	11	39620131	A/G	0.805	0.195	-0.007	0.018	0.708	36.324
rs10514350	PC ae C34:2	5	90903609	A/G	0.223	0.223	-0.008	0.017	0.659	20.120
rs4239593	PC ae C34:2	19	55876747	C/T	0.066	0.066	-0.008	0.030	0.798	19.541
rs78631379	PC ae C34:2	8	65630877	A/G	0.036	0.036	-0.008	0.043	0.854	20.217
rs10756793	PC ae C34:2	9	16726169	G/A	0.744	0.256	-0.008	0.017	0.625	26.884
rs10065272	PC ae C34:2	5	125372245	G/A	0.631	0.369	-0.011	0.015	0.455	23.927
rs62167901	PC ae C34:2	2	142271919	G/A	0.115	0.115	-0.012	0.023	0.606	28.715
rs3764002	PC ae C34:2	12	108618630	C/T	0.259	0.259	-0.013	0.016	0.443	24.510
rs4852285	PC ae C34:2	2	72446753	A/G	0.325	0.325	-0.013	0.015	0.402	26.523
rs17824247	PC ae C34:2	2	144152539	T/C	0.413	0.413	-0.013	0.015	0.368	30.205
rs363096	PC ae C34:2	4	3180021	T/C	0.568	0.432	-0.014	0.015	0.342	32.386
rs41298344	PC ae C34:2	20	62294045	C/A	0.050	0.050	-0.014	0.034	0.684	22.888
rs356194	PC ae C34:2	4	90685798	A/G	0.703	0.297	-0.014	0.016	0.371	26.014
rs2635727	PC ae C34:2	6	50820940	T/C	0.747	0.253	-0.015	0.017	0.372	22.589
rs2820311	PC ae C34:2	1	201841476	A/G	0.326	0.326	-0.016	0.016	0.315	22.310
rs514070	PC ae C34:2	1	88718155	G/A	0.216	0.216	-0.018	0.017	0.313	20.039
rs1487446	PC ae C34:2	6	98565212	C/T	0.520	0.480	-0.018	0.014	0.214	73.277
rs4660303	PC ae C34:2	1	40060473	G/A	0.228	0.228	-0.019	0.017	0.278	20.594
rs56187641	PC ae C34:2	5	50137152	A/G	0.141	0.141	-0.019	0.021	0.367	19.742
rs113677935	PC ae C34:2	6	92765831	G/A	0.045	0.045	-0.019	0.035	0.586	20.193
rs16955848	PC ae C34:2	18	50448235	C/T	0.085	0.085	-0.022	0.026	0.391	19.980
rs997652	PC ae C34:2	17	63914365	G/T	0.398	0.398	-0.026	0.015	0.078	22.579
rs6981838	PC ae C34:2	8	36820750	G/A	0.174	0.174	-0.027	0.019	0.162	21.430
rs12447542	PC ae C34:2	16	7744180	G/A	0.125	0.125	-0.029	0.023	0.204	23.421
rs3858030	PC ae C34:2	9	1788498	T/C	0.753	0.247	-0.029	0.017	0.083	22.386
rs13107325	PC ae C34:2	4	103188709	C/T	0.073	0.073	-0.044	0.028	0.121	41.306
rs117451379	PC ae C34:2	7	102389213	C/T	0.071	0.071	-0.054	0.030	0.067	20.605
rs62587113	PC ae C34:2	9	130986184	C/T	0.025	0.025	-0.071	0.050	0.155	20.032
rs34967803	PC ae C34:2	7	71109777	A/G	0.056	0.056	-0.077	0.033	0.018	22.885
rs79774233	PC ae C34:2	6	146035571	G/A	0.029	0.029	-0.087	0.043	0.042	22.804
rs819571	PC ae C36:2	5	72828213	C/T	0.134	0.134	0.036	0.022	0.106	22.042
rs1557341	PC ae C36:2	18	35127427	A/C	0.651	0.349	0.032	0.015	0.036	27.223
rs4667812	PC ae C36:2	2	166254401	T/G	0.239	0.239	0.032	0.017	0.057	35.108

rs1990689	PC ae C36:2	4	62918377	A/C	0.700	0.300	0.032	0.016	0.045	20.409
rs6824540	PC ae C36:2	4	180895676	G/A	0.199	0.199	0.031	0.018	0.087	20.862
rs3908820	PC ae C36:2	1	101072470	A/G	0.073	0.073	0.031	0.027	0.265	22.223
rs7586014	PC ae C36:2	2	30089909	G/A	0.160	0.160	0.030	0.020	0.142	22.721
rs11762900	PC ae C36:2	7	1265682	C/T	0.531	0.469	0.030	0.015	0.047	21.201
rs144783397	PC ae C36:2	2	118141626	G/A	0.024	0.024	0.026	0.047	0.582	21.243
rs139721227	PC ae C36:2	2	56873160	C/A	0.031	0.031	0.023	0.042	0.587	20.274
rs17207890	PC ae C36:2	11	95490754	G/A	0.343	0.343	0.022	0.015	0.144	34.607
rs6868457	PC ae C36:2	5	60550041	T/C	0.477	0.477	0.022	0.015	0.133	22.316
rs11711620	PC ae C36:2	3	114444572	A/C	0.170	0.170	0.018	0.019	0.342	23.329
rs75838475	PC ae C36:2	2	146177061	C/T	0.134	0.134	0.018	0.022	0.405	19.664
rs13084427	PC ae C36:2	3	160434610	T/C	0.288	0.288	0.015	0.016	0.340	24.001
rs17149920	PC ae C36:2	7	77837131	A/C	0.136	0.136	0.015	0.021	0.477	20.204
rs4681028	PC ae C36:2	3	25628749	G/T	0.208	0.208	0.015	0.018	0.413	20.040
rs117568533	PC ae C36:2	17	41317598	C/T	0.041	0.041	0.014	0.037	0.699	21.930
rs56128159	PC ae C36:2	8	106336532	T/G	0.173	0.173	0.014	0.019	0.474	19.730
rs8044030	PC ae C36:2	16	30927990	G/A	0.386	0.386	0.013	0.015	0.368	23.530
rs8080518	PC ae C36:2	17	45057481	T/C	0.420	0.420	0.013	0.015	0.387	25.326
rs264343	PC ae C36:2	5	139355252	C/T	0.230	0.230	0.013	0.017	0.463	22.837
rs1548566	PC ae C36:2	15	25755522	C/T	0.163	0.163	0.012	0.020	0.555	19.780
rs73093445	PC ae C36:2	3	71542279	C/A	0.429	0.429	0.011	0.015	0.441	36.001
rs6965619	PC ae C36:2	7	12932728	A/C	0.737	0.264	0.011	0.016	0.506	24.746
rs6805280	PC ae C36:2	3	153151706	T/C	0.720	0.280	0.011	0.016	0.509	26.435
rs35187352	PC ae C36:2	12	132697766	T/G	0.601	0.399	0.010	0.015	0.497	21.418
rs34833142	PC ae C36:2	18	21075938	A/G	0.453	0.453	0.009	0.015	0.523	23.153
rs2571009	PC ae C36:2	18	44650279	A/G	0.471	0.471	0.008	0.015	0.598	20.139
rs997880	PC ae C36:2	14	29848830	A/C	0.622	0.378	0.008	0.015	0.617	24.180
rs3943093	PC ae C36:2	1	243458502	C/T	0.325	0.325	0.007	0.015	0.654	25.244
rs2121289	PC ae C36:2	13	69734044	A/C	0.872	0.128	0.006	0.022	0.784	22.013
rs2099740	PC ae C36:2	1	112704129	T/C	0.469	0.469	0.006	0.016	0.715	20.890
rs28489386	PC ae C36:2	8	20974664	A/G	0.067	0.067	0.006	0.029	0.846	20.883
rs2294567	PC ae C36:2	20	40101389	A/G	0.317	0.317	0.005	0.016	0.755	24.830
rs356194	PC ae C36:2	4	90685798	A/G	0.703	0.297	0.005	0.016	0.771	26.014

rs7626945	PC ae C36:2	3	82405757	T/C	0.240	0.240	0.004	0.017	0.811	23.539
rs4660303	PC ae C36:2	1	40060473	G/A	0.228	0.228	0.003	0.017	0.845	20.594
rs6491430	PC ae C36:2	13	99178276	G/A	0.574	0.426	0.003	0.015	0.841	21.279
rs12370683	PC ae C36:2	12	74580266	T/C	0.199	0.199	0.003	0.018	0.894	20.848
rs7932035	PC ae C36:2	11	39620131	A/G	0.805	0.195	0.001	0.018	0.965	36.324
rs16955848	PC ae C36:2	18	50448235	C/T	0.085	0.085	0.001	0.026	0.985	19.980
rs4785216	PC ae C36:2	16	50579394	T/C	0.237	0.237	0.000	0.017	0.996	20.320
rs10828266	PC ae C36:2	10	22098701	A/G	0.706	0.294	0.000	0.016	0.996	25.263
rs3757323	PC ae C36:2	6	152202007	T/C	0.639	0.361	0.000	0.015	0.990	21.261
rs56187641	PC ae C36:2	5	50137152	A/G	0.141	0.141	0.000	0.021	0.984	19.742
rs7806045	PC ae C36:2	7	132610266	T/C	0.237	0.237	-0.001	0.017	0.960	30.606
rs6600140	PC ae C36:2	16	1446883	A/C	0.901	0.099	-0.001	0.024	0.961	19.381
rs6676084	PC ae C36:2	1	197094030	C/T	0.315	0.315	-0.002	0.015	0.914	20.738
rs10129747	PC ae C36:2	14	77433198	A/G	0.527	0.473	-0.002	0.015	0.879	34.422
rs6103023	PC ae C36:2	20	35589095	T/C	0.534	0.466	-0.002	0.015	0.866	19.629
rs530688	PC ae C36:2	11	78543856	T/C	0.391	0.391	-0.003	0.015	0.866	23.760
rs3764002	PC ae C36:2	12	108618630	C/T	0.259	0.259	-0.003	0.016	0.871	24.510
rs514070	PC ae C36:2	1	88718155	G/A	0.216	0.216	-0.003	0.017	0.882	20.039
rs12447542	PC ae C36:2	16	7744180	G/A	0.125	0.125	-0.004	0.022	0.861	23.421
rs62167901	PC ae C36:2	2	142271919	G/A	0.115	0.115	-0.005	0.023	0.833	28.715
rs7613360	PC ae C36:2	3	49916710	C/T	0.388	0.388	-0.005	0.015	0.747	46.096
rs71520517	PC ae C36:2	8	144473554	G/A	0.120	0.120	-0.005	0.024	0.837	24.279
rs360941	PC ae C36:2	4	152855276	T/C	0.026	0.026	-0.006	0.046	0.898	19.819
rs4852285	PC ae C36:2	2	72446753	A/G	0.325	0.325	-0.006	0.015	0.682	26.523
rs17596955	PC ae C36:2	15	92556154	A/G	0.070	0.070	-0.007	0.028	0.819	19.368
rs1826347	PC ae C36:2	3	49671654	A/C	0.514	0.486	-0.007	0.015	0.648	21.623
rs6134143	PC ae C36:2	20	1168774	T/C	0.360	0.360	-0.007	0.017	0.686	22.594
rs1487446	PC ae C36:2	6	98565212	C/T	0.520	0.480	-0.008	0.014	0.589	73.277
rs363096	PC ae C36:2	4	3180021	T/C	0.568	0.432	-0.009	0.015	0.539	32.386
rs62182099	PC ae C36:2	2	240184882	C/T	0.063	0.063	-0.009	0.030	0.753	28.106
rs574918	PC ae C36:2	12	40357647	A/G	0.831	0.169	-0.010	0.019	0.609	26.443
rs4239593	PC ae C36:2	19	55876747	C/T	0.066	0.066	-0.010	0.030	0.741	19.541
rs74987819	PC ae C36:2	22	49599953	G/T	0.097	0.097	-0.010	0.024	0.674	21.338

rs12243061	PC ae C36:2	10	78756815	T/C	0.359	0.359	-0.012	0.015	0.447	21.437
rs71441133	PC ae C36:2	2	41355596	G/A	0.058	0.058	-0.012	0.032	0.699	23.953
rs73050916	PC ae C36:2	19	48984060	A/G	0.467	0.467	-0.012	0.015	0.403	21.173
rs10065272	PC ae C36:2	5	125372245	G/A	0.631	0.369	-0.012	0.015	0.412	23.927
rs10756793	PC ae C36:2	9	16726169	G/A	0.744	0.256	-0.013	0.017	0.424	26.884
rs2824408	PC ae C36:2	21	19011631	A/C	0.188	0.188	-0.014	0.019	0.468	21.136
rs17824247	PC ae C36:2	2	144152539	T/C	0.413	0.413	-0.014	0.015	0.353	30.205
rs4843613	PC ae C36:2	16	87489698	T/C	0.822	0.178	-0.015	0.019	0.443	23.731
rs2635727	PC ae C36:2	6	50820940	T/C	0.747	0.253	-0.019	0.017	0.251	22.589
rs2820311	PC ae C36:2	1	201841476	A/G	0.326	0.326	-0.019	0.016	0.210	22.310
rs3858030	PC ae C36:2	9	1788498	T/C	0.753	0.247	-0.021	0.017	0.204	22.386
rs329655	PC ae C36:2	11	133850516	C/A	0.471	0.471	-0.024	0.015	0.097	21.552
rs997652	PC ae C36:2	17	63914365	G/T	0.398	0.398	-0.027	0.015	0.072	22.579
rs10514350	PC ae C36:2	5	90903609	A/G	0.223	0.223	-0.029	0.017	0.086	20.120
rs13107325	PC ae C36:2	4	103188709	C/T	0.073	0.073	-0.031	0.028	0.267	41.306
rs41298344	PC ae C36:2	20	62294045	C/A	0.050	0.050	-0.032	0.034	0.343	22.888
rs78679681	PC ae C36:2	3	143292353	G/A	0.027	0.027	-0.035	0.044	0.436	21.800
rs113677935	PC ae C36:2	6	92765831	G/A	0.045	0.045	-0.036	0.035	0.297	20.193
rs78631379	PC ae C36:2	8	65630877	A/G	0.036	0.036	-0.038	0.043	0.373	20.217
rs6981838	PC ae C36:2	8	36820750	G/A	0.174	0.174	-0.043	0.019	0.025	21.430
rs62587113	PC ae C36:2	9	130986184	C/T	0.025	0.025	-0.050	0.049	0.311	20.032
rs117451379	PC ae C36:2	7	102389213	C/T	0.071	0.071	-0.058	0.029	0.050	20.605
rs2628041	PC ae C36:2	1	244439691	A/G	0.978	0.022	-0.066	0.063	0.288	21.990
rs34967803	PC ae C36:2	7	71109777	A/G	0.056	0.056	-0.072	0.033	0.028	22.885
rs79774233	PC ae C36:2	6	146035571	G/A	0.029	0.029	-0.104	0.043	0.015	22.804
rs139721227	PC ae C40:5	2	56873160	C/A	0.031	0.031	0.063	0.043	0.138	20.274
rs2628041	PC ae C40:5	1	244439691	A/G	0.977	0.023	0.063	0.063	0.320	21.990
rs7932035	PC ae C40:5	11	39620131	A/G	0.805	0.195	0.048	0.018	0.008	36.324
rs144783397	PC ae C40:5	2	118141626	G/A	0.024	0.024	0.038	0.047	0.423	21.243
rs6824540	PC ae C40:5	4	180895676	G/A	0.199	0.199	0.037	0.018	0.044	20.862
rs74987819	PC ae C40:5	22	49599953	G/T	0.097	0.097	0.031	0.025	0.206	21.338
rs71441133	PC ae C40:5	2	41355596	G/A	0.057	0.057	0.027	0.032	0.407	23.953
rs113677935	PC ae C40:5	6	92765831	G/A	0.045	0.045	0.023	0.035	0.511	20.193

rs71520517	PC ae C40:5	8	144473554	G/A	0.120	0.120	0.020	0.024	0.403	24.279
rs2121289	PC ae C40:5	13	69734044	A/C	0.872	0.128	0.019	0.022	0.390	22.013
rs17596955	PC ae C40:5	15	92556154	A/G	0.070	0.070	0.018	0.029	0.532	19.368
rs34967803	PC ae C40:5	7	71109777	A/G	0.056	0.056	0.018	0.033	0.586	22.885
rs514070	PC ae C40:5	1	88718155	G/A	0.216	0.216	0.018	0.017	0.310	20.039
rs117451379	PC ae C40:5	7	102389213	C/T	0.071	0.071	0.017	0.030	0.566	20.605
rs11711620	PC ae C40:5	3	114444572	A/C	0.170	0.170	0.016	0.019	0.417	23.329
rs8080518	PC ae C40:5	17	45057481	T/C	0.419	0.419	0.015	0.015	0.313	25.326
rs2824408	PC ae C40:5	21	19011631	A/C	0.188	0.188	0.015	0.019	0.427	21.136
rs6134143	PC ae C40:5	20	1168774	T/C	0.360	0.360	0.015	0.017	0.396	22.594
rs1826347	PC ae C40:5	3	49671654	A/C	0.514	0.486	0.015	0.015	0.323	21.623
rs360941	PC ae C40:5	4	152855276	T/C	0.026	0.026	0.014	0.047	0.763	19.819
rs7586014	PC ae C40:5	2	30089909	G/A	0.160	0.160	0.014	0.020	0.504	22.721
rs16955848	PC ae C40:5	18	50448235	C/T	0.085	0.085	0.013	0.026	0.613	19.980
rs7613360	PC ae C40:5	3	49916710	C/T	0.388	0.388	0.013	0.015	0.380	46.096
rs1487446	PC ae C40:5	6	98565212	C/T	0.520	0.480	0.012	0.015	0.418	73.277
rs3908820	PC ae C40:5	1	101072470	A/G	0.073	0.073	0.012	0.028	0.672	22.223
rs17207890	PC ae C40:5	11	95490754	G/A	0.343	0.343	0.011	0.015	0.465	34.607
rs2635727	PC ae C40:5	6	50820940	T/C	0.747	0.253	0.011	0.017	0.510	22.589
rs62182099	PC ae C40:5	2	240184882	C/T	0.063	0.063	0.011	0.030	0.719	28.106
rs3757323	PC ae C40:5	6	152202007	T/C	0.640	0.361	0.010	0.015	0.497	21.261
rs1990689	PC ae C40:5	4	62918377	A/C	0.700	0.300	0.010	0.016	0.529	20.409
rs12243061	PC ae C40:5	10	78756815	T/C	0.359	0.359	0.009	0.015	0.575	21.437
rs4852285	PC ae C40:5	2	72446753	A/G	0.325	0.325	0.009	0.015	0.583	26.523
rs11762900	PC ae C40:5	7	1265682	C/T	0.531	0.469	0.007	0.015	0.647	21.201
rs2294567	PC ae C40:5	20	40101389	A/G	0.317	0.317	0.007	0.016	0.660	24.830
rs7626945	PC ae C40:5	3	82405757	T/C	0.240	0.240	0.006	0.017	0.715	23.539
rs819571	PC ae C40:5	5	72828213	C/T	0.134	0.134	0.004	0.022	0.846	22.042
rs7806045	PC ae C40:5	7	132610266	T/C	0.236	0.236	0.004	0.017	0.815	30.606
rs73050916	PC ae C40:5	19	48984060	A/G	0.467	0.467	0.004	0.015	0.796	21.173
rs2820311	PC ae C40:5	1	201841476	A/G	0.326	0.326	0.003	0.016	0.825	22.310
rs73093445	PC ae C40:5	3	71542279	C/A	0.429	0.429	0.002	0.015	0.882	36.001
rs17824247	PC ae C40:5	2	144152539	T/C	0.413	0.413	0.000	0.015	0.995	30.205

rs1548566	PC ae C40:5	15	25755522	C/T	0.163	0.163	-0.001	0.020	0.981	19.780
rs6868457	PC ae C40:5	5	60550041	T/C	0.477	0.477	-0.001	0.015	0.967	22.316
rs1557341	PC ae C40:5	18	35127427	A/C	0.651	0.349	-0.001	0.015	0.950	27.223
rs2571009	PC ae C40:5	18	44650279	A/G	0.471	0.471	-0.001	0.015	0.931	20.139
rs75838475	PC ae C40:5	2	146177061	C/T	0.134	0.134	-0.002	0.022	0.940	19.664
rs356194	PC ae C40:5	4	90685798	A/G	0.702	0.298	-0.002	0.016	0.884	26.014
rs34833142	PC ae C40:5	18	21075938	A/G	0.453	0.453	-0.003	0.015	0.862	23.153
rs3858030	PC ae C40:5	9	1788498	T/C	0.753	0.247	-0.003	0.017	0.869	22.386
rs10828266	PC ae C40:5	10	22098701	A/G	0.706	0.294	-0.003	0.016	0.850	25.263
rs530688	PC ae C40:5	11	78543856	T/C	0.391	0.391	-0.003	0.015	0.841	23.760
rs4681028	PC ae C40:5	3	25628749	G/T	0.208	0.208	-0.004	0.018	0.844	20.040
rs56187641	PC ae C40:5	5	50137152	A/G	0.141	0.141	-0.004	0.021	0.864	19.742
rs4667812	PC ae C40:5	2	166254401	T/G	0.239	0.239	-0.004	0.017	0.827	35.108
rs35187352	PC ae C40:5	12	132697766	T/G	0.600	0.400	-0.005	0.016	0.758	21.418
rs4843613	PC ae C40:5	16	87489698	T/C	0.822	0.178	-0.005	0.019	0.780	23.731
rs2099740	PC ae C40:5	1	112704129	T/C	0.469	0.469	-0.006	0.016	0.720	20.890
rs997880	PC ae C40:5	14	29848830	A/C	0.622	0.378	-0.006	0.015	0.703	24.180
rs4660303	PC ae C40:5	1	40060473	G/A	0.228	0.228	-0.006	0.017	0.725	20.594
rs28489386	PC ae C40:5	8	20974664	A/G	0.067	0.067	-0.007	0.029	0.806	20.883
rs3943093	PC ae C40:5	1	243458502	C/T	0.325	0.325	-0.007	0.015	0.634	25.244
rs6600140	PC ae C40:5	16	1446883	A/C	0.901	0.099	-0.007	0.025	0.766	19.381
rs12447542	PC ae C40:5	16	7744180	G/A	0.125	0.125	-0.007	0.023	0.745	23.421
rs117568533	PC ae C40:5	17	41317598	C/T	0.041	0.041	-0.009	0.038	0.812	21.930
rs56128159	PC ae C40:5	8	106336532	T/G	0.173	0.173	-0.009	0.020	0.634	19.730
rs62587113	PC ae C40:5	9	130986184	C/T	0.025	0.025	-0.011	0.050	0.833	20.032
rs78631379	PC ae C40:5	8	65630877	A/G	0.036	0.036	-0.011	0.043	0.801	20.217
rs10756793	PC ae C40:5	9	16726169	G/A	0.744	0.256	-0.013	0.017	0.456	26.884
rs329655	PC ae C40:5	11	133850516	C/A	0.471	0.471	-0.013	0.015	0.393	21.552
rs17149920	PC ae C40:5	7	77837131	A/C	0.136	0.136	-0.013	0.022	0.540	20.204
rs13084427	PC ae C40:5	3	160434610	T/C	0.288	0.288	-0.014	0.016	0.385	24.001
rs6491430	PC ae C40:5	13	99178276	G/A	0.574	0.426	-0.014	0.015	0.339	21.279
rs10129747	PC ae C40:5	14	77433198	A/G	0.527	0.473	-0.015	0.015	0.323	34.422
rs6103023	PC ae C40:5	20	35589095	T/C	0.534	0.466	-0.015	0.015	0.310	19.629

rs6965619	PC ae C40:5	7	12932728	A/C	0.737	0.264	-0.016	0.017	0.328	24.746
rs6805280	PC ae C40:5	3	153151706	T/C	0.720	0.280	-0.017	0.016	0.306	26.435
rs574918	PC ae C40:5	12	40357647	A/G	0.831	0.169	-0.020	0.019	0.313	26.443
rs78679681	PC ae C40:5	3	143292353	G/A	0.027	0.027	-0.020	0.045	0.660	21.800
rs4785216	PC ae C40:5	16	50579394	T/C	0.237	0.237	-0.020	0.018	0.253	20.320
rs12370683	PC ae C40:5	12	74580266	T/C	0.199	0.199	-0.023	0.019	0.224	20.848
rs10065272	PC ae C40:5	5	125372245	G/A	0.631	0.369	-0.023	0.015	0.133	23.927
rs363096	PC ae C40:5	4	3180021	T/C	0.568	0.432	-0.023	0.015	0.122	32.386
rs41298344	PC ae C40:5	20	62294045	C/A	0.050	0.050	-0.024	0.034	0.494	22.888
rs8044030	PC ae C40:5	16	30927990	G/A	0.386	0.386	-0.025	0.015	0.095	23.530
rs10514350	PC ae C40:5	5	90903609	A/G	0.223	0.223	-0.025	0.017	0.144	20.120
rs6676084	PC ae C40:5	1	197094030	C/T	0.315	0.315	-0.026	0.016	0.096	20.738
rs997652	PC ae C40:5	17	63914365	G/T	0.398	0.398	-0.028	0.015	0.065	22.579
rs264343	PC ae C40:5	5	139355252	C/T	0.230	0.230	-0.028	0.017	0.107	22.837
rs62167901	PC ae C40:5	2	142271919	G/A	0.115	0.115	-0.030	0.023	0.193	28.715
rs3764002	PC ae C40:5	12	108618630	C/T	0.259	0.259	-0.036	0.017	0.031	24.510
rs4239593	PC ae C40:5	19	55876747	C/T	0.066	0.066	-0.037	0.030	0.229	19.541
rs6981838	PC ae C40:5	8	36820750	G/A	0.174	0.174	-0.044	0.019	0.022	21.430
rs13107325	PC ae C40:5	4	103188709	C/T	0.073	0.073	-0.061	0.028	0.032	41.306
rs79774233	PC ae C40:5	6	146035571	G/A	0.029	0.029	-0.111	0.043	0.011	22.804
rs139721227	PC ae C40:6	2	56873160	C/A	0.031	0.031	0.083	0.042	0.049	20.274
rs144783397	PC ae C40:6	2	118141626	G/A	0.024	0.024	0.075	0.047	0.107	21.243
rs73093445	PC ae C40:6	3	71542279	C/A	0.429	0.429	0.053	0.015	0.000	36.001
rs10828266	PC ae C40:6	10	22098701	A/G	0.706	0.294	0.042	0.016	0.008	25.263
rs1990689	PC ae C40:6	4	62918377	A/C	0.700	0.300	0.039	0.016	0.012	20.409
rs62182099	PC ae C40:6	2	240184882	C/T	0.063	0.063	0.039	0.030	0.183	28.106
rs11711620	PC ae C40:6	3	114444572	A/C	0.170	0.170	0.039	0.019	0.044	23.329
rs16955848	PC ae C40:6	18	50448235	C/T	0.085	0.085	0.035	0.026	0.176	19.980
rs6868457	PC ae C40:6	5	60550041	T/C	0.477	0.477	0.033	0.014	0.021	22.316
rs74987819	PC ae C40:6	22	49599953	G/T	0.097	0.097	0.031	0.024	0.198	21.338
rs2628041	PC ae C40:6	1	244439691	A/G	0.977	0.023	0.030	0.062	0.629	21.990
rs7932035	PC ae C40:6	11	39620131	A/G	0.805	0.195	0.030	0.018	0.099	36.324
rs35187352	PC ae C40:6	12	132697766	T/G	0.600	0.400	0.028	0.015	0.063	21.418

rs75838475	PC ae C40:6	2	146177061	C/T	0.134	0.134	0.028	0.022	0.193	19.664
rs819571	PC ae C40:6	5	72828213	C/T	0.134	0.134	0.027	0.022	0.219	22.042
rs3858030	PC ae C40:6	9	1788498	T/C	0.753	0.247	0.023	0.017	0.176	22.386
rs997880	PC ae C40:6	14	29848830	A/C	0.622	0.378	0.022	0.015	0.149	24.180
rs6491430	PC ae C40:6	13	99178276	G/A	0.574	0.426	0.021	0.015	0.154	21.279
rs62587113	PC ae C40:6	9	130986184	C/T	0.025	0.025	0.020	0.049	0.682	20.032
rs6824540	PC ae C40:6	4	180895676	G/A	0.199	0.199	0.019	0.018	0.287	20.862
rs117451379	PC ae C40:6	7	102389213	C/T	0.071	0.071	0.018	0.029	0.531	20.605
rs7586014	PC ae C40:6	2	30089909	G/A	0.160	0.160	0.017	0.020	0.404	22.721
rs3757323	PC ae C40:6	6	152202007	T/C	0.640	0.361	0.014	0.015	0.368	21.261
rs13084427	PC ae C40:6	3	160434610	T/C	0.288	0.288	0.013	0.016	0.420	24.001
rs28489386	PC ae C40:6	8	20974664	A/G	0.067	0.067	0.012	0.029	0.678	20.883
rs1557341	PC ae C40:6	18	35127427	A/C	0.651	0.349	0.010	0.015	0.510	27.223
rs4667812	PC ae C40:6	2	166254401	T/G	0.239	0.239	0.010	0.017	0.549	35.108
rs514070	PC ae C40:6	1	88718155	G/A	0.216	0.216	0.009	0.017	0.617	20.039
rs4660303	PC ae C40:6	1	40060473	G/A	0.228	0.228	0.008	0.017	0.629	20.594
rs4785216	PC ae C40:6	16	50579394	T/C	0.237	0.237	0.007	0.017	0.670	20.320
rs11762900	PC ae C40:6	7	1265682	C/T	0.531	0.469	0.007	0.015	0.658	21.201
rs6600140	PC ae C40:6	16	1446883	A/C	0.901	0.099	0.006	0.024	0.800	19.381
rs10756793	PC ae C40:6	9	16726169	G/A	0.744	0.256	0.006	0.017	0.725	26.884
rs7806045	PC ae C40:6	7	132610266	T/C	0.236	0.236	0.006	0.017	0.728	30.606
rs4843613	PC ae C40:6	16	87489698	T/C	0.822	0.178	0.004	0.019	0.822	23.731
rs17207890	PC ae C40:6	11	95490754	G/A	0.343	0.343	0.004	0.015	0.792	34.607
rs2294567	PC ae C40:6	20	40101389	A/G	0.317	0.317	0.004	0.015	0.814	24.830
rs3943093	PC ae C40:6	1	243458502	C/T	0.325	0.325	0.003	0.015	0.848	25.244
rs17824247	PC ae C40:6	2	144152539	T/C	0.413	0.413	0.002	0.015	0.885	30.205
rs1487446	PC ae C40:6	6	98565212	C/T	0.520	0.480	0.002	0.014	0.916	73.277
rs10514350	PC ae C40:6	5	90903609	A/G	0.223	0.223	0.001	0.017	0.935	20.120
rs2571009	PC ae C40:6	18	44650279	A/G	0.471	0.471	0.001	0.015	0.929	20.139
rs6103023	PC ae C40:6	20	35589095	T/C	0.534	0.466	0.001	0.015	0.950	19.629
rs7626945	PC ae C40:6	3	82405757	T/C	0.240	0.240	0.000	0.017	0.984	23.539
rs574918	PC ae C40:6	12	40357647	A/G	0.831	0.169	-0.001	0.019	0.979	26.443
rs8080518	PC ae C40:6	17	45057481	T/C	0.419	0.419	-0.001	0.015	0.945	25.326

rs2121289	PC ae C40:6	13	69734044	A/C	0.872	0.128	-0.002	0.022	0.916	22.013
rs6134143	PC ae C40:6	20	1168774	T/C	0.360	0.360	-0.003	0.017	0.875	22.594
rs71520517	PC ae C40:6	8	144473554	G/A	0.120	0.120	-0.003	0.024	0.906	24.279
rs34833142	PC ae C40:6	18	21075938	A/G	0.453	0.453	-0.003	0.015	0.841	23.153
rs10129747	PC ae C40:6	14	77433198	A/G	0.527	0.473	-0.003	0.015	0.818	34.422
rs8044030	PC ae C40:6	16	30927990	G/A	0.386	0.386	-0.003	0.015	0.817	23.530
rs2635727	PC ae C40:6	6	50820940	T/C	0.747	0.253	-0.004	0.016	0.822	22.589
rs360941	PC ae C40:6	4	152855276	T/C	0.026	0.026	-0.004	0.046	0.926	19.819
rs2824408	PC ae C40:6	21	19011631	A/C	0.188	0.188	-0.006	0.019	0.767	21.136
rs12370683	PC ae C40:6	12	74580266	T/C	0.199	0.199	-0.007	0.018	0.714	20.848
rs6805280	PC ae C40:6	3	153151706	T/C	0.720	0.280	-0.007	0.016	0.651	26.435
rs62167901	PC ae C40:6	2	142271919	G/A	0.115	0.115	-0.008	0.023	0.742	28.715
rs6981838	PC ae C40:6	8	36820750	G/A	0.174	0.174	-0.008	0.019	0.687	21.430
rs12243061	PC ae C40:6	10	78756815	T/C	0.359	0.359	-0.008	0.015	0.602	21.437
rs1548566	PC ae C40:6	15	25755522	C/T	0.163	0.163	-0.010	0.020	0.627	19.780
rs530688	PC ae C40:6	11	78543856	T/C	0.391	0.391	-0.010	0.015	0.500	23.760
rs117568533	PC ae C40:6	17	41317598	C/T	0.041	0.041	-0.010	0.037	0.779	21.930
rs4852285	PC ae C40:6	2	72446753	A/G	0.325	0.325	-0.011	0.015	0.489	26.523
rs56128159	PC ae C40:6	8	106336532	T/G	0.173	0.173	-0.012	0.019	0.520	19.730
rs71441133	PC ae C40:6	2	41355596	G/A	0.057	0.057	-0.013	0.032	0.688	23.953
rs363096	PC ae C40:6	4	3180021	T/C	0.568	0.432	-0.014	0.015	0.343	32.386
rs12447542	PC ae C40:6	16	7744180	G/A	0.125	0.125	-0.014	0.022	0.532	23.421
rs997652	PC ae C40:6	17	63914365	G/T	0.398	0.398	-0.014	0.015	0.343	22.579
rs1826347	PC ae C40:6	3	49671654	A/C	0.514	0.486	-0.014	0.015	0.326	21.623
rs73050916	PC ae C40:6	19	48984060	A/G	0.467	0.467	-0.015	0.015	0.312	21.173
rs3908820	PC ae C40:6	1	101072470	A/G	0.073	0.073	-0.015	0.027	0.589	22.223
rs3764002	PC ae C40:6	12	108618630	C/T	0.259	0.259	-0.015	0.016	0.361	24.510
rs264343	PC ae C40:6	5	139355252	C/T	0.230	0.230	-0.015	0.017	0.370	22.837
rs2099740	PC ae C40:6	1	112704129	T/C	0.469	0.469	-0.017	0.016	0.281	20.890
rs56187641	PC ae C40:6	5	50137152	A/G	0.141	0.141	-0.018	0.021	0.390	19.742
rs6676084	PC ae C40:6	1	197094030	C/T	0.315	0.315	-0.018	0.015	0.230	20.738
rs7613360	PC ae C40:6	3	49916710	C/T	0.388	0.388	-0.018	0.015	0.209	46.096
rs2820311	PC ae C40:6	1	201841476	A/G	0.326	0.326	-0.021	0.015	0.184	22.310

rs329655	PC ae C40:6	11	133850516	C/A	0.471	0.471	-0.021	0.015	0.142	21.552
rs4239593	PC ae C40:6	19	55876747	C/T	0.066	0.066	-0.022	0.030	0.474	19.541
rs113677935	PC ae C40:6	6	92765831	G/A	0.045	0.045	-0.023	0.035	0.516	20.193
rs6965619	PC ae C40:6	7	12932728	A/C	0.737	0.264	-0.024	0.016	0.137	24.746
rs4681028	PC ae C40:6	3	25628749	G/T	0.208	0.208	-0.026	0.018	0.155	20.040
rs10065272	PC ae C40:6	5	125372245	G/A	0.631	0.369	-0.027	0.015	0.074	23.927
rs356194	PC ae C40:6	4	90685798	A/G	0.702	0.298	-0.027	0.016	0.089	26.014
rs78679681	PC ae C40:6	3	143292353	G/A	0.027	0.027	-0.030	0.044	0.492	21.800
rs17149920	PC ae C40:6	7	77837131	A/C	0.136	0.136	-0.031	0.021	0.143	20.204
rs78631379	PC ae C40:6	8	65630877	A/G	0.036	0.036	-0.038	0.043	0.374	20.217
rs13107325	PC ae C40:6	4	103188709	C/T	0.073	0.073	-0.039	0.028	0.166	41.306
rs41298344	PC ae C40:6	20	62294045	C/A	0.050	0.050	-0.042	0.034	0.214	22.888
rs34967803	PC ae C40:6	7	71109777	A/G	0.056	0.056	-0.047	0.033	0.150	22.885
rs17596955	PC ae C40:6	15	92556154	A/G	0.070	0.070	-0.054	0.028	0.059	19.368
rs79774233	PC ae C40:6	6	146035571	G/A	0.029	0.029	-0.066	0.043	0.124	22.804
rs139721227	SM C20:2	2	56873160	C/A	0.031	0.031	0.076	0.042	0.070	20.274
rs74987819	SM C20:2	22	49599953	G/T	0.097	0.097	0.057	0.024	0.018	21.338
rs2121289	SM C20:2	13	69734044	A/C	0.872	0.128	0.055	0.022	0.011	22.013
rs2628041	SM C20:2	1	244439691	A/G	0.977	0.023	0.054	0.062	0.380	21.990
rs6134143	SM C20:2	20	1168774	T/C	0.360	0.360	0.038	0.017	0.027	22.594
rs1557341	SM C20:2	18	35127427	A/C	0.651	0.349	0.035	0.015	0.020	27.223
rs35187352	SM C20:2	12	132697766	T/G	0.600	0.400	0.034	0.015	0.024	21.418
rs7932035	SM C20:2	11	39620131	A/G	0.805	0.195	0.034	0.018	0.061	36.324
rs11711620	SM C20:2	3	114444572	A/C	0.170	0.170	0.031	0.019	0.099	23.329
rs16955848	SM C20:2	18	50448235	C/T	0.085	0.085	0.030	0.026	0.238	19.980
rs117568533	SM C20:2	17	41317598	C/T	0.041	0.041	0.027	0.037	0.458	21.930
rs12447542	SM C20:2	16	7744180	G/A	0.125	0.125	0.023	0.022	0.295	23.421
rs1990689	SM C20:2	4	62918377	A/C	0.699	0.301	0.018	0.016	0.247	20.409
rs2099740	SM C20:2	1	112704129	T/C	0.469	0.469	0.017	0.016	0.275	20.890
rs1548566	SM C20:2	15	25755522	C/T	0.163	0.163	0.016	0.020	0.404	19.780
rs2824408	SM C20:2	21	19011631	A/C	0.188	0.188	0.016	0.018	0.396	21.136
rs75838475	SM C20:2	2	146177061	C/T	0.133	0.133	0.015	0.022	0.473	19.664
rs7586014	SM C20:2	2	30089909	G/A	0.160	0.160	0.015	0.020	0.454	22.721

rs819571	SM C20:2	5	72828213	C/T	0.134	0.134	0.014	0.022	0.525	22.042
rs997880	SM C20:2	14	29848830	A/C	0.623	0.378	0.012	0.015	0.419	24.180
rs113677935	SM C20:2	6	92765831	G/A	0.045	0.045	0.012	0.035	0.732	20.193
rs117451379	SM C20:2	7	102389213	C/T	0.071	0.071	0.012	0.029	0.691	20.605
rs4667812	SM C20:2	2	166254401	T/G	0.239	0.239	0.011	0.017	0.494	35.108
rs28489386	SM C20:2	8	20974664	A/G	0.067	0.067	0.011	0.029	0.707	20.883
rs6824540	SM C20:2	4	180895676	G/A	0.199	0.199	0.011	0.018	0.554	20.862
rs4852285	SM C20:2	2	72446753	A/G	0.325	0.325	0.011	0.015	0.487	26.523
rs7806045	SM C20:2	7	132610266	T/C	0.237	0.237	0.009	0.017	0.574	30.606
rs13084427	SM C20:2	3	160434610	T/C	0.288	0.288	0.009	0.016	0.582	24.001
rs6676084	SM C20:2	1	197094030	C/T	0.314	0.314	0.009	0.015	0.566	20.738
rs10828266	SM C20:2	10	22098701	A/G	0.707	0.294	0.008	0.016	0.598	25.263
rs34833142	SM C20:2	18	21075938	A/G	0.453	0.453	0.008	0.015	0.567	23.153
rs3908820	SM C20:2	1	101072470	A/G	0.073	0.073	0.008	0.027	0.759	22.223
rs56128159	SM C20:2	8	106336532	T/G	0.173	0.173	0.007	0.019	0.733	19.730
rs10756793	SM C20:2	9	16726169	G/A	0.744	0.256	0.006	0.017	0.708	26.884
rs4843613	SM C20:2	16	87489698	T/C	0.822	0.178	0.006	0.019	0.742	23.731
rs264343	SM C20:2	5	139355252	C/T	0.229	0.229	0.006	0.017	0.743	22.837
rs3943093	SM C20:2	1	243458502	C/T	0.325	0.325	0.006	0.015	0.717	25.244
rs17824247	SM C20:2	2	144152539	T/C	0.413	0.413	0.005	0.015	0.729	30.205
rs574918	SM C20:2	12	40357647	A/G	0.831	0.169	0.005	0.019	0.791	26.443
rs144783397	SM C20:2	2	118141626	G/A	0.024	0.024	0.005	0.046	0.921	21.243
rs4681028	SM C20:2	3	25628749	G/T	0.208	0.208	0.004	0.018	0.807	20.040
rs530688	SM C20:2	11	78543856	T/C	0.391	0.391	0.004	0.015	0.763	23.760
rs6981838	SM C20:2	8	36820750	G/A	0.174	0.174	0.003	0.019	0.864	21.430
rs6600140	SM C20:2	16	1446883	A/C	0.901	0.099	0.003	0.024	0.895	19.381
rs7613360	SM C20:2	3	49916710	C/T	0.388	0.388	0.002	0.015	0.896	46.096
rs12243061	SM C20:2	10	78756815	T/C	0.359	0.359	-0.001	0.015	0.941	21.437
rs11762900	SM C20:2	7	1265682	C/T	0.531	0.469	-0.001	0.015	0.926	21.201
rs17149920	SM C20:2	7	77837131	A/C	0.136	0.136	-0.002	0.021	0.935	20.204
rs7626945	SM C20:2	3	82405757	T/C	0.240	0.240	-0.002	0.017	0.919	23.539
rs3757323	SM C20:2	6	152202007	T/C	0.639	0.361	-0.002	0.015	0.873	21.261
rs6805280	SM C20:2	3	153151706	T/C	0.719	0.281	-0.003	0.016	0.844	26.435

rs514070	SM C20:2	1	88718155	G/A	0.216	0.216	-0.003	0.017	0.853	20.039
rs10129747	SM C20:2	14	77433198	A/G	0.528	0.473	-0.004	0.015	0.807	34.422
rs3858030	SM C20:2	9	1788498	T/C	0.753	0.247	-0.004	0.017	0.798	22.386
rs2294567	SM C20:2	20	40101389	A/G	0.316	0.316	-0.005	0.015	0.770	24.830
rs8080518	SM C20:2	17	45057481	T/C	0.419	0.419	-0.005	0.015	0.755	25.326
rs17596955	SM C20:2	15	92556154	A/G	0.071	0.071	-0.005	0.028	0.864	19.368
rs3764002	SM C20:2	12	108618630	C/T	0.259	0.259	-0.005	0.016	0.743	24.510
rs6868457	SM C20:2	5	60550041	T/C	0.477	0.477	-0.006	0.014	0.691	22.316
rs10514350	SM C20:2	5	90903609	A/G	0.223	0.223	-0.006	0.017	0.733	20.120
rs34967803	SM C20:2	7	71109777	A/G	0.056	0.056	-0.006	0.032	0.853	22.885
rs73050916	SM C20:2	19	48984060	A/G	0.467	0.467	-0.007	0.015	0.647	21.173
rs1826347	SM C20:2	3	49671654	A/C	0.515	0.485	-0.008	0.014	0.585	21.623
rs1487446	SM C20:2	6	98565212	C/T	0.519	0.481	-0.008	0.014	0.573	73.277
rs13107325	SM C20:2	4	103188709	C/T	0.072	0.072	-0.012	0.028	0.661	41.306
rs329655	SM C20:2	11	133850516	C/A	0.471	0.471	-0.012	0.015	0.397	21.552
rs6965619	SM C20:2	7	12932728	A/C	0.736	0.264	-0.013	0.016	0.415	24.746
rs4239593	SM C20:2	19	55876747	C/T	0.066	0.066	-0.015	0.030	0.625	19.541
rs4660303	SM C20:2	1	40060473	G/A	0.228	0.228	-0.016	0.017	0.359	20.594
rs10065272	SM C20:2	5	125372245	G/A	0.631	0.369	-0.016	0.015	0.287	23.927
rs6491430	SM C20:2	13	99178276	G/A	0.575	0.426	-0.017	0.015	0.249	21.279
rs2820311	SM C20:2	1	201841476	A/G	0.326	0.326	-0.017	0.015	0.256	22.310
rs62182099	SM C20:2	2	240184882	C/T	0.063	0.063	-0.018	0.030	0.541	28.106
rs4785216	SM C20:2	16	50579394	T/C	0.237	0.237	-0.019	0.017	0.267	20.320
rs73093445	SM C20:2	3	71542279	C/A	0.429	0.429	-0.021	0.014	0.153	36.001
rs997652	SM C20:2	17	63914365	G/T	0.398	0.398	-0.021	0.015	0.156	22.579
rs71441133	SM C20:2	2	41355596	G/A	0.058	0.058	-0.021	0.031	0.499	23.953
rs8044030	SM C20:2	16	30927990	G/A	0.386	0.386	-0.021	0.015	0.142	23.530
rs2635727	SM C20:2	6	50820940	T/C	0.746	0.254	-0.023	0.016	0.166	22.589
rs356194	SM C20:2	4	90685798	A/G	0.702	0.298	-0.023	0.016	0.138	26.014
rs41298344	SM C20:2	20	62294045	C/A	0.050	0.050	-0.024	0.034	0.470	22.888
rs12370683	SM C20:2	12	74580266	T/C	0.200	0.200	-0.025	0.018	0.179	20.848
rs2571009	SM C20:2	18	44650279	A/G	0.471	0.471	-0.025	0.014	0.079	20.139
rs363096	SM C20:2	4	3180021	T/C	0.568	0.432	-0.027	0.015	0.061	32.386

rs56187641	SM C20:2	5	50137152	A/G	0.141	0.141	-0.028	0.021	0.172	19.742
rs62587113	SM C20:2	9	130986184	C/T	0.025	0.025	-0.032	0.049	0.511	20.032
rs360941	SM C20:2	4	152855276	T/C	0.026	0.026	-0.034	0.046	0.465	19.819
rs71520517	SM C20:2	8	144473554	G/A	0.120	0.120	-0.034	0.024	0.146	24.279
rs17207890	SM C20:2	11	95490754	G/A	0.342	0.342	-0.037	0.015	0.016	34.607
rs62167901	SM C20:2	2	142271919	G/A	0.115	0.115	-0.039	0.023	0.080	28.715
rs78679681	SM C20:2	3	143292353	G/A	0.027	0.027	-0.041	0.044	0.354	21.800
rs6103023	SM C20:2	20	35589095	T/C	0.534	0.466	-0.043	0.014	0.003	19.629
rs78631379	SM C20:2	8	65630877	A/G	0.036	0.036	-0.097	0.042	0.022	20.217
rs79774233	SM C20:2	6	146035571	G/A	0.029	0.029	-0.113	0.043	0.008	22.804
rs144783397	SM C24:0	2	118141626	G/A	0.024	0.024	0.063	0.047	0.183	21.243
rs16955848	SM C24:0	18	50448235	C/T	0.085	0.085	0.058	0.026	0.026	19.980
rs117451379	SM C24:0	7	102389213	C/T	0.071	0.071	0.040	0.030	0.179	20.605
rs74987819	SM C24:0	22	49599953	G/T	0.097	0.097	0.037	0.025	0.130	21.338
rs28489386	SM C24:0	8	20974664	A/G	0.067	0.067	0.029	0.029	0.316	20.883
rs2121289	SM C24:0	13	69734044	A/C	0.872	0.128	0.029	0.022	0.186	22.013
rs1557341	SM C24:0	18	35127427	A/C	0.651	0.349	0.026	0.016	0.089	27.223
rs2294567	SM C24:0	20	40101389	A/G	0.317	0.317	0.026	0.016	0.100	24.830
rs1990689	SM C24:0	4	62918377	A/C	0.700	0.300	0.023	0.016	0.153	20.409
rs7586014	SM C24:0	2	30089909	G/A	0.160	0.160	0.023	0.021	0.272	22.721
rs997880	SM C24:0	14	29848830	A/C	0.622	0.378	0.022	0.015	0.149	24.180
rs10828266	SM C24:0	10	22098701	A/G	0.706	0.294	0.022	0.016	0.175	25.263
rs139721227	SM C24:0	2	56873160	C/A	0.031	0.031	0.021	0.043	0.617	20.274
rs73093445	SM C24:0	3	71542279	C/A	0.429	0.429	0.018	0.015	0.212	36.001
rs6824540	SM C24:0	4	180895676	G/A	0.199	0.199	0.018	0.018	0.336	20.862
rs6600140	SM C24:0	16	1446883	A/C	0.901	0.099	0.018	0.025	0.477	19.381
rs4660303	SM C24:0	1	40060473	G/A	0.228	0.228	0.017	0.017	0.316	20.594
rs4681028	SM C24:0	3	25628749	G/T	0.208	0.208	0.017	0.018	0.346	20.040
rs11711620	SM C24:0	3	114444572	A/C	0.170	0.170	0.017	0.019	0.380	23.329
rs7613360	SM C24:0	3	49916710	C/T	0.388	0.388	0.016	0.015	0.298	46.096
rs2628041	SM C24:0	1	244439691	A/G	0.978	0.022	0.015	0.063	0.807	21.990
rs6134143	SM C24:0	20	1168774	T/C	0.360	0.360	0.015	0.017	0.389	22.594
rs1826347	SM C24:0	3	49671654	A/C	0.514	0.486	0.014	0.015	0.326	21.623

rs819571	SM C24:0	5	72828213	C/T	0.134	0.134	0.014	0.022	0.523	22.042
rs6805280	SM C24:0	3	153151706	T/C	0.720	0.280	0.013	0.016	0.411	26.435
rs34833142	SM C24:0	18	21075938	A/G	0.453	0.453	0.012	0.015	0.401	23.153
rs3943093	SM C24:0	1	243458502	C/T	0.325	0.325	0.012	0.015	0.442	25.244
rs2099740	SM C24:0	1	112704129	T/C	0.469	0.469	0.011	0.016	0.502	20.890
rs4843613	SM C24:0	16	87489698	T/C	0.822	0.178	0.011	0.019	0.581	23.731
rs3757323	SM C24:0	6	152202007	T/C	0.640	0.361	0.011	0.015	0.494	21.261
rs4667812	SM C24:0	2	166254401	T/G	0.239	0.239	0.010	0.017	0.559	35.108
rs17596955	SM C24:0	15	92556154	A/G	0.070	0.070	0.010	0.029	0.740	19.368
rs514070	SM C24:0	1	88718155	G/A	0.216	0.216	0.009	0.018	0.616	20.039
rs7626945	SM C24:0	3	82405757	T/C	0.240	0.240	0.008	0.017	0.643	23.539
rs2635727	SM C24:0	6	50820940	T/C	0.747	0.253	0.008	0.017	0.641	22.589
rs6965619	SM C24:0	7	12932728	A/C	0.737	0.264	0.008	0.017	0.647	24.746
rs10756793	SM C24:0	9	16726169	G/A	0.744	0.256	0.007	0.017	0.666	26.884
rs35187352	SM C24:0	12	132697766	T/G	0.600	0.400	0.006	0.016	0.682	21.418
rs2824408	SM C24:0	21	19011631	A/C	0.188	0.188	0.006	0.019	0.746	21.136
rs4785216	SM C24:0	16	50579394	T/C	0.237	0.237	0.003	0.018	0.870	20.320
rs1487446	SM C24:0	6	98565212	C/T	0.520	0.480	0.003	0.015	0.851	73.277
rs12243061	SM C24:0	10	78756815	T/C	0.359	0.359	0.002	0.015	0.906	21.437
rs7932035	SM C24:0	11	39620131	A/G	0.805	0.195	0.002	0.018	0.921	36.324
rs6676084	SM C24:0	1	197094030	C/T	0.315	0.315	0.002	0.016	0.917	20.738
rs574918	SM C24:0	12	40357647	A/G	0.831	0.169	0.001	0.020	0.958	26.443
rs113677935	SM C24:0	6	92765831	G/A	0.045	0.045	0.001	0.035	0.980	20.193
rs4239593	SM C24:0	19	55876747	C/T	0.066	0.066	0.000	0.030	0.994	19.541
rs71441133	SM C24:0	2	41355596	G/A	0.057	0.057	-0.001	0.032	0.974	23.953
rs7806045	SM C24:0	7	132610266	T/C	0.237	0.237	-0.002	0.017	0.930	30.606
rs6491430	SM C24:0	13	99178276	G/A	0.574	0.426	-0.004	0.015	0.802	21.279
rs2820311	SM C24:0	1	201841476	A/G	0.326	0.326	-0.004	0.016	0.804	22.310
rs3858030	SM C24:0	9	1788498	T/C	0.753	0.247	-0.005	0.017	0.785	22.386
rs73050916	SM C24:0	19	48984060	A/G	0.467	0.467	-0.005	0.015	0.735	21.173
rs530688	SM C24:0	11	78543856	T/C	0.391	0.391	-0.005	0.015	0.727	23.760
rs11762900	SM C24:0	7	1265682	C/T	0.531	0.469	-0.006	0.015	0.674	21.201
rs8080518	SM C24:0	17	45057481	T/C	0.420	0.420	-0.007	0.015	0.658	25.326

rs75838475	SM C24:0	2	146177061	C/T	0.134	0.134	-0.007	0.022	0.757	19.664
rs356194	SM C24:0	4	90685798	A/G	0.703	0.297	-0.007	0.016	0.665	26.014
rs4852285	SM C24:0	2	72446753	A/G	0.325	0.325	-0.007	0.015	0.657	26.523
rs62182099	SM C24:0	2	240184882	C/T	0.063	0.063	-0.007	0.030	0.805	28.106
rs56128159	SM C24:0	8	106336532	T/G	0.173	0.173	-0.008	0.020	0.698	19.730
rs8044030	SM C24:0	16	30927990	G/A	0.386	0.386	-0.008	0.015	0.607	23.530
rs13107325	SM C24:0	4	103188709	C/T	0.073	0.073	-0.008	0.028	0.785	41.306
rs2571009	SM C24:0	18	44650279	A/G	0.471	0.471	-0.009	0.015	0.530	20.139
rs10129747	SM C24:0	14	77433198	A/G	0.527	0.473	-0.009	0.015	0.528	34.422
rs6868457	SM C24:0	5	60550041	T/C	0.477	0.477	-0.010	0.015	0.513	22.316
rs17824247	SM C24:0	2	144152539	T/C	0.413	0.413	-0.010	0.015	0.498	30.205
rs264343	SM C24:0	5	139355252	C/T	0.230	0.230	-0.012	0.017	0.499	22.837
rs71520517	SM C24:0	8	144473554	G/A	0.120	0.120	-0.013	0.024	0.605	24.279
rs329655	SM C24:0	11	133850516	C/A	0.471	0.471	-0.013	0.015	0.373	21.552
rs6103023	SM C24:0	20	35589095	T/C	0.534	0.466	-0.014	0.015	0.334	19.629
rs3764002	SM C24:0	12	108618630	C/T	0.259	0.259	-0.014	0.017	0.383	24.510
rs12447542	SM C24:0	16	7744180	G/A	0.125	0.125	-0.016	0.023	0.485	23.421
rs12370683	SM C24:0	12	74580266	T/C	0.199	0.199	-0.016	0.019	0.382	20.848
rs6981838	SM C24:0	8	36820750	G/A	0.174	0.174	-0.017	0.020	0.382	21.430
rs56187641	SM C24:0	5	50137152	A/G	0.141	0.141	-0.019	0.021	0.375	19.742
rs997652	SM C24:0	17	63914365	G/T	0.398	0.398	-0.020	0.015	0.192	22.579
rs13084427	SM C24:0	3	160434610	T/C	0.288	0.288	-0.023	0.016	0.157	24.001
rs10514350	SM C24:0	5	90903609	A/G	0.223	0.223	-0.025	0.017	0.149	20.120
rs17207890	SM C24:0	11	95490754	G/A	0.343	0.343	-0.025	0.015	0.101	34.607
rs34967803	SM C24:0	7	71109777	A/G	0.056	0.056	-0.029	0.033	0.376	22.885
rs1548566	SM C24:0	15	25755522	C/T	0.163	0.163	-0.031	0.020	0.125	19.780
rs10065272	SM C24:0	5	125372245	G/A	0.631	0.369	-0.031	0.015	0.041	23.927
rs3908820	SM C24:0	1	101072470	A/G	0.073	0.073	-0.036	0.028	0.200	22.223
rs17149920	SM C24:0	7	77837131	A/C	0.136	0.136	-0.037	0.022	0.089	20.204
rs78631379	SM C24:0	8	65630877	A/G	0.036	0.036	-0.037	0.043	0.396	20.217
rs363096	SM C24:0	4	3180021	T/C	0.568	0.432	-0.039	0.015	0.009	32.386
rs117568533	SM C24:0	17	41317598	C/T	0.041	0.041	-0.039	0.038	0.305	21.930
rs62167901	SM C24:0	2	142271919	G/A	0.115	0.115	-0.040	0.023	0.086	28.715

rs41298344	SM C24:0	20	62294045	C/A	0.050	0.050	-0.043	0.035	0.217	22.888
rs62587113	SM C24:0	9	130986184	C/T	0.025	0.025	-0.053	0.050	0.289	20.032
rs78679681	SM C24:0	3	143292353	G/A	0.027	0.027	-0.068	0.045	0.129	21.800
rs79774233	SM C24:0	6	146035571	G/A	0.029	0.029	-0.104	0.044	0.017	22.804
rs360941	SM C24:0	4	152855276	T/C	0.026	0.026	-0.121	0.047	0.010	19.819
rs144783397	lysoPC a C20:4	2	118141626	G/A	0.024	0.024	0.065	0.045	0.148	21.243
rs139721227	lysoPC a C20:4	2	56873160	C/A	0.031	0.031	0.046	0.041	0.264	20.274
rs78679681	lysoPC a C20:4	3	143292353	G/A	0.027	0.027	0.043	0.043	0.314	21.800
rs4681028	lysoPC a C20:4	3	25628749	G/T	0.208	0.208	0.040	0.018	0.023	20.040
rs514070	lysoPC a C20:4	1	88718155	G/A	0.216	0.216	0.038	0.017	0.022	20.039
rs62182099	lysoPC a C20:4	2	240184882	C/T	0.063	0.063	0.037	0.029	0.195	28.106
rs71441133	lysoPC a C20:4	2	41355596	G/A	0.057	0.057	0.034	0.031	0.273	23.953
rs360941	lysoPC a C20:4	4	152855276	T/C	0.026	0.026	0.029	0.045	0.527	19.819
rs62587113	lysoPC a C20:4	9	130986184	C/T	0.025	0.025	0.027	0.048	0.576	20.032
rs16955848	lysoPC a C20:4	18	50448235	C/T	0.085	0.085	0.026	0.025	0.309	19.980
rs7613360	lysoPC a C20:4	3	49916710	C/T	0.388	0.388	0.024	0.014	0.097	46.096
rs35187352	lysoPC a C20:4	12	132697766	T/G	0.600	0.400	0.021	0.015	0.153	21.418
rs6600140	lysoPC a C20:4	16	1446883	A/C	0.901	0.099	0.021	0.024	0.370	19.381
rs7932035	lysoPC a C20:4	11	39620131	A/G	0.805	0.195	0.021	0.017	0.225	36.324
rs12370683	lysoPC a C20:4	12	74580266	T/C	0.199	0.199	0.021	0.018	0.248	20.848
rs3908820	lysoPC a C20:4	1	101072470	A/G	0.073	0.073	0.020	0.027	0.443	22.223
rs12447542	lysoPC a C20:4	16	7744180	G/A	0.125	0.125	0.018	0.022	0.414	23.421
rs6824540	lysoPC a C20:4	4	180895676	G/A	0.199	0.199	0.018	0.018	0.317	20.862
rs2820311	lysoPC a C20:4	1	201841476	A/G	0.326	0.326	0.016	0.015	0.275	22.310
rs3858030	lysoPC a C20:4	9	1788498	T/C	0.753	0.247	0.016	0.016	0.330	22.386
rs2628041	lysoPC a C20:4	1	244439691	A/G	0.978	0.023	0.015	0.060	0.799	21.990
rs6868457	lysoPC a C20:4	5	60550041	T/C	0.477	0.477	0.014	0.014	0.303	22.316
rs2635727	lysoPC a C20:4	6	50820940	T/C	0.747	0.253	0.014	0.016	0.390	22.589
rs4852285	lysoPC a C20:4	2	72446753	A/G	0.325	0.325	0.013	0.015	0.367	26.523
rs11762900	lysoPC a C20:4	7	1265682	C/T	0.531	0.469	0.013	0.014	0.363	21.201
rs10514350	lysoPC a C20:4	5	90903609	A/G	0.223	0.223	0.012	0.017	0.462	20.120
rs17207890	lysoPC a C20:4	11	95490754	G/A	0.343	0.343	0.011	0.015	0.452	34.607
rs2121289	lysoPC a C20:4	13	69734044	A/C	0.872	0.128	0.010	0.021	0.628	22.013

rs41298344	lysoPC a C20:4	20	62294045	C/A	0.050	0.050	0.010	0.033	0.757	22.888
rs10129747	lysoPC a C20:4	14	77433198	A/G	0.527	0.473	0.009	0.014	0.531	34.422
rs11711620	lysoPC a C20:4	3	114444572	A/C	0.170	0.170	0.009	0.019	0.636	23.329
rs74987819	lysoPC a C20:4	22	49599953	G/T	0.097	0.097	0.008	0.024	0.737	21.338
rs6134143	lysoPC a C20:4	20	1168774	T/C	0.360	0.360	0.008	0.017	0.647	22.594
rs2824408	lysoPC a C20:4	21	19011631	A/C	0.188	0.188	0.007	0.018	0.699	21.136
rs356194	lysoPC a C20:4	4	90685798	A/G	0.702	0.298	0.006	0.015	0.682	26.014
rs62167901	lysoPC a C20:4	2	142271919	G/A	0.115	0.115	0.006	0.022	0.775	28.715
rs71520517	lysoPC a C20:4	8	144473554	G/A	0.120	0.120	0.006	0.023	0.787	24.279
rs13084427	lysoPC a C20:4	3	160434610	T/C	0.288	0.288	0.006	0.016	0.712	24.001
rs8080518	lysoPC a C20:4	17	45057481	T/C	0.419	0.419	0.005	0.014	0.756	25.326
rs3757323	lysoPC a C20:4	6	152202007	T/C	0.640	0.361	0.004	0.015	0.803	21.261
rs73050916	lysoPC a C20:4	19	48984060	A/G	0.467	0.467	0.004	0.014	0.800	21.173
rs264343	lysoPC a C20:4	5	139355252	C/T	0.230	0.230	0.003	0.017	0.837	22.837
rs4239593	lysoPC a C20:4	19	55876747	C/T	0.066	0.066	0.003	0.029	0.910	19.541
rs3943093	lysoPC a C20:4	1	243458502	C/T	0.325	0.325	0.001	0.015	0.934	25.244
rs34967803	lysoPC a C20:4	7	71109777	A/G	0.056	0.056	0.001	0.032	0.977	22.885
rs997652	lysoPC a C20:4	17	63914365	G/T	0.398	0.398	0.000	0.014	0.984	22.579
rs1548566	lysoPC a C20:4	15	25755522	C/T	0.163	0.163	0.000	0.019	0.996	19.780
rs1487446	lysoPC a C20:4	6	98565212	C/T	0.520	0.480	-0.001	0.014	0.971	73.277
rs7626945	lysoPC a C20:4	3	82405757	T/C	0.240	0.240	-0.001	0.016	0.965	23.539
rs7806045	lysoPC a C20:4	7	132610266	T/C	0.237	0.237	-0.001	0.016	0.960	30.606
rs2571009	lysoPC a C20:4	18	44650279	A/G	0.471	0.471	-0.001	0.014	0.930	20.139
rs12243061	lysoPC a C20:4	10	78756815	T/C	0.359	0.359	-0.002	0.015	0.920	21.437
rs6103023	lysoPC a C20:4	20	35589095	T/C	0.534	0.466	-0.002	0.014	0.905	19.629
rs530688	lysoPC a C20:4	11	78543856	T/C	0.391	0.391	-0.002	0.014	0.899	23.760
rs117568533	lysoPC a C20:4	17	41317598	C/T	0.041	0.041	-0.003	0.036	0.940	21.930
rs56187641	lysoPC a C20:4	5	50137152	A/G	0.141	0.141	-0.003	0.020	0.873	19.742
rs4667812	lysoPC a C20:4	2	166254401	T/G	0.239	0.239	-0.003	0.016	0.836	35.108
rs329655	lysoPC a C20:4	11	133850516	C/A	0.471	0.471	-0.005	0.014	0.723	21.552
rs113677935	lysoPC a C20:4	6	92765831	G/A	0.045	0.045	-0.005	0.034	0.883	20.193
rs8044030	lysoPC a C20:4	16	30927990	G/A	0.386	0.386	-0.005	0.014	0.725	23.530
rs819571	lysoPC a C20:4	5	72828213	C/T	0.134	0.134	-0.005	0.021	0.815	22.042

rs997880	lysoPC a C20:4	14	29848830	A/C	0.622	0.378	-0.005	0.015	0.723	24.180
rs17824247	lysoPC a C20:4	2	144152539	T/C	0.413	0.413	-0.006	0.014	0.654	30.205
rs17596955	lysoPC a C20:4	15	92556154	A/G	0.070	0.070	-0.007	0.027	0.790	19.368
rs7586014	lysoPC a C20:4	2	30089909	G/A	0.160	0.160	-0.007	0.020	0.704	22.721
rs10828266	lysoPC a C20:4	10	22098701	A/G	0.706	0.294	-0.008	0.015	0.605	25.263
rs73093445	lysoPC a C20:4	3	71542279	C/A	0.429	0.429	-0.008	0.014	0.568	36.001
rs34833142	lysoPC a C20:4	18	21075938	A/G	0.453	0.453	-0.009	0.014	0.521	23.153
rs6491430	lysoPC a C20:4	13	99178276	G/A	0.574	0.426	-0.010	0.014	0.484	21.279
rs6676084	lysoPC a C20:4	1	197094030	C/T	0.315	0.315	-0.010	0.015	0.496	20.738
rs2099740	lysoPC a C20:4	1	112704129	T/C	0.469	0.469	-0.010	0.015	0.491	20.890
rs1990689	lysoPC a C20:4	4	62918377	A/C	0.700	0.300	-0.011	0.015	0.491	20.409
rs1557341	lysoPC a C20:4	18	35127427	A/C	0.651	0.349	-0.012	0.015	0.426	27.223
rs1826347	lysoPC a C20:4	3	49671654	A/C	0.514	0.486	-0.013	0.014	0.370	21.623
rs2294567	lysoPC a C20:4	20	40101389	A/G	0.317	0.317	-0.014	0.015	0.358	24.830
rs4843613	lysoPC a C20:4	16	87489698	T/C	0.822	0.178	-0.014	0.018	0.448	23.731
rs4785216	lysoPC a C20:4	16	50579394	T/C	0.237	0.237	-0.014	0.017	0.394	20.320
rs4660303	lysoPC a C20:4	1	40060473	G/A	0.228	0.228	-0.016	0.017	0.347	20.594
rs56128159	lysoPC a C20:4	8	106336532	T/G	0.173	0.173	-0.016	0.019	0.401	19.730
rs363096	lysoPC a C20:4	4	3180021	T/C	0.568	0.432	-0.016	0.014	0.256	32.386
rs6965619	lysoPC a C20:4	7	12932728	A/C	0.737	0.264	-0.017	0.016	0.293	24.746
rs3764002	lysoPC a C20:4	12	108618630	C/T	0.259	0.259	-0.017	0.016	0.280	24.510
rs6805280	lysoPC a C20:4	3	153151706	T/C	0.720	0.280	-0.019	0.015	0.219	26.435
rs10065272	lysoPC a C20:4	5	125372245	G/A	0.631	0.369	-0.020	0.015	0.170	23.927
rs6981838	lysoPC a C20:4	8	36820750	G/A	0.174	0.174	-0.021	0.019	0.251	21.430
rs75838475	lysoPC a C20:4	2	146177061	C/T	0.134	0.134	-0.025	0.021	0.230	19.664
rs574918	lysoPC a C20:4	12	40357647	A/G	0.831	0.169	-0.026	0.019	0.169	26.443
rs10756793	lysoPC a C20:4	9	16726169	G/A	0.744	0.256	-0.034	0.016	0.034	26.884
rs117451379	lysoPC a C20:4	7	102389213	C/T	0.071	0.071	-0.036	0.029	0.201	20.605
rs28489386	lysoPC a C20:4	8	20974664	A/G	0.067	0.067	-0.038	0.028	0.172	20.883
rs78631379	lysoPC a C20:4	8	65630877	A/G	0.036	0.036	-0.040	0.041	0.331	20.217
rs17149920	lysoPC a C20:4	7	77837131	A/C	0.136	0.136	-0.042	0.021	0.042	20.204
rs79774233	lysoPC a C20:4	6	146035571	G/A	0.029	0.029	-0.047	0.042	0.263	22.804
rs13107325	lysoPC a C20:4	4	103188709	C/T	0.073	0.073	-0.083	0.027	0.002	41.306

rs1990689	lysoPC a C26:0	4	62918377	A/C	0.700	0.300	0.048	0.016	0.003	20.409
rs6965619	lysoPC a C26:0	7	12932728	A/C	0.737	0.264	0.040	0.017	0.018	24.746
rs1557341	lysoPC a C26:0	18	35127427	A/C	0.651	0.349	0.039	0.016	0.013	27.223
rs144783397	lysoPC a C26:0	2	118141626	G/A	0.024	0.024	0.033	0.048	0.491	21.243
rs17149920	lysoPC a C26:0	7	77837131	A/C	0.136	0.136	0.028	0.022	0.207	20.204
rs17596955	lysoPC a C26:0	15	92556154	A/G	0.070	0.070	0.027	0.029	0.353	19.368
rs6805280	lysoPC a C26:0	3	153151706	T/C	0.720	0.280	0.027	0.016	0.098	26.435
rs4852285	lysoPC a C26:0	2	72446753	A/G	0.325	0.325	0.027	0.016	0.089	26.523
rs1487446	lysoPC a C26:0	6	98565212	C/T	0.520	0.480	0.025	0.015	0.087	73.277
rs41298344	lysoPC a C26:0	20	62294045	C/A	0.050	0.050	0.024	0.035	0.492	22.888
rs78631379	lysoPC a C26:0	8	65630877	A/G	0.036	0.036	0.023	0.044	0.602	20.217
rs7626945	lysoPC a C26:0	3	82405757	T/C	0.240	0.240	0.021	0.017	0.221	23.539
rs16955848	lysoPC a C26:0	18	50448235	C/T	0.085	0.085	0.019	0.027	0.466	19.980
rs1241781	lysoPC a C26:0	14	42287845	C/A	0.505	0.495	0.019	0.016	0.217	25.960
rs34833142	lysoPC a C26:0	18	21075938	A/G	0.453	0.453	0.019	0.015	0.214	23.153
rs11711620	lysoPC a C26:0	3	114444572	A/C	0.170	0.170	0.018	0.020	0.373	23.329
rs71441133	lysoPC a C26:0	2	41355596	G/A	0.057	0.057	0.017	0.032	0.591	23.953
rs4239593	lysoPC a C26:0	19	55876747	C/T	0.066	0.066	0.017	0.031	0.574	19.541
rs7613360	lysoPC a C26:0	3	49916710	C/T	0.388	0.388	0.017	0.015	0.254	46.096
rs2635727	lysoPC a C26:0	6	50820940	T/C	0.747	0.253	0.017	0.017	0.321	22.589
rs997652	lysoPC a C26:0	17	63914365	G/T	0.398	0.398	0.016	0.015	0.295	22.579
rs997880	lysoPC a C26:0	14	29848830	A/C	0.622	0.378	0.016	0.015	0.314	24.180
rs3943093	lysoPC a C26:0	1	243458502	C/T	0.325	0.325	0.015	0.016	0.349	25.244
rs10828266	lysoPC a C26:0	10	22098701	A/G	0.706	0.294	0.014	0.016	0.385	25.263
rs11762900	lysoPC a C26:0	7	1265682	C/T	0.531	0.469	0.012	0.015	0.445	21.201
rs7932035	lysoPC a C26:0	11	39620131	A/G	0.805	0.195	0.011	0.019	0.540	36.324
rs74987819	lysoPC a C26:0	22	49599953	G/T	0.097	0.097	0.011	0.025	0.667	21.338
rs6103023	lysoPC a C26:0	20	35589095	T/C	0.534	0.466	0.011	0.015	0.474	19.629
rs363096	lysoPC a C26:0	4	3180021	T/C	0.568	0.432	0.009	0.015	0.546	32.386
rs6981838	lysoPC a C26:0	8	36820750	G/A	0.174	0.174	0.009	0.020	0.648	21.430
rs56128159	lysoPC a C26:0	8	106336532	T/G	0.173	0.173	0.009	0.020	0.655	19.730
rs185123354	lysoPC a C26:0	6	25853521	T/C	0.112	0.112	0.007	0.030	0.810	22.634
rs8080518	lysoPC a C26:0	17	45057481	T/C	0.420	0.420	0.007	0.015	0.644	25.326

rs6134143	lysoPC a C26:0	20	1168774	T/C	0.360	0.360	0.007	0.018	0.696	22.594
rs2805444	lysoPC a C26:0	1	237691095	G/A	0.757	0.243	0.006	0.019	0.752	19.835
rs3757323	lysoPC a C26:0	6	152202007	T/C	0.640	0.361	0.006	0.016	0.722	21.261
rs514070	lysoPC a C26:0	1	88718155	G/A	0.216	0.216	0.006	0.018	0.754	20.039
rs6824540	lysoPC a C26:0	4	180895676	G/A	0.199	0.199	0.005	0.019	0.776	20.862
rs75838475	lysoPC a C26:0	2	146177061	C/T	0.134	0.134	0.005	0.022	0.824	19.664
rs2571009	lysoPC a C26:0	18	44650279	A/G	0.471	0.471	0.005	0.015	0.751	20.139
rs139721227	lysoPC a C26:0	2	56873160	C/A	0.031	0.031	0.004	0.043	0.919	20.274
rs73050916	lysoPC a C26:0	19	48984060	A/G	0.467	0.467	0.004	0.015	0.801	21.173
rs13107325	lysoPC a C26:0	4	103188709	C/T	0.073	0.073	0.004	0.029	0.900	41.306
rs17207890	lysoPC a C26:0	11	95490754	G/A	0.343	0.343	0.004	0.016	0.818	34.607
rs17824247	lysoPC a C26:0	2	144152539	T/C	0.413	0.413	0.003	0.015	0.822	30.205
rs7586014	lysoPC a C26:0	2	30089909	G/A	0.160	0.160	0.002	0.021	0.943	22.721
rs2820311	lysoPC a C26:0	1	201841476	A/G	0.326	0.326	0.001	0.016	0.949	22.310
rs2121289	lysoPC a C26:0	13	69734044	A/C	0.872	0.128	0.001	0.022	0.983	22.013
rs1826347	lysoPC a C26:0	3	49671654	A/C	0.514	0.486	0.000	0.015	0.984	21.623
rs6868457	lysoPC a C26:0	5	60550041	T/C	0.477	0.477	-0.001	0.015	0.969	22.316
rs12370683	lysoPC a C26:0	12	74580266	T/C	0.199	0.199	-0.001	0.019	0.944	20.848
rs3858030	lysoPC a C26:0	9	1788498	T/C	0.753	0.247	-0.001	0.017	0.937	22.386
rs10756793	lysoPC a C26:0	9	16726169	G/A	0.744	0.256	-0.002	0.017	0.927	26.884
rs1548566	lysoPC a C26:0	15	25755522	C/T	0.163	0.163	-0.002	0.020	0.938	19.780
rs4667812	lysoPC a C26:0	2	166254401	T/G	0.239	0.239	-0.002	0.017	0.889	35.108
rs4681028	lysoPC a C26:0	3	25628749	G/T	0.208	0.208	-0.003	0.019	0.873	20.040
rs10065272	lysoPC a C26:0	5	125372245	G/A	0.631	0.369	-0.003	0.015	0.842	23.927
rs10514350	lysoPC a C26:0	5	90903609	A/G	0.223	0.223	-0.003	0.017	0.854	20.120
rs264343	lysoPC a C26:0	5	139355252	C/T	0.230	0.230	-0.003	0.018	0.855	22.837
rs2099740	lysoPC a C26:0	1	112704129	T/C	0.469	0.469	-0.004	0.016	0.827	20.890
rs2824408	lysoPC a C26:0	21	19011631	A/C	0.188	0.188	-0.004	0.019	0.836	21.136
rs34967803	lysoPC a C26:0	7	71109777	A/G	0.056	0.056	-0.004	0.033	0.907	22.885
rs7806045	lysoPC a C26:0	7	132610266	T/C	0.237	0.237	-0.005	0.017	0.788	30.606
rs2294567	lysoPC a C26:0	20	40101389	A/G	0.317	0.317	-0.006	0.016	0.689	24.830
rs6491430	lysoPC a C26:0	13	99178276	G/A	0.574	0.426	-0.006	0.015	0.672	21.279
rs78679681	lysoPC a C26:0	3	143292353	G/A	0.027	0.027	-0.007	0.045	0.882	21.800

rs2628041	lysoPC a C26:0	1	244439691	A/G	0.978	0.023	-0.007	0.064	0.914	21.990
rs3908820	lysoPC a C26:0	1	101072470	A/G	0.073	0.073	-0.008	0.028	0.785	22.223
rs12070802	lysoPC a C26:0	1	98438755	T/G	0.187	0.187	-0.009	0.021	0.664	24.028
rs3764002	lysoPC a C26:0	12	108618630	C/T	0.259	0.259	-0.009	0.017	0.574	24.510
rs73093445	lysoPC a C26:0	3	71542279	C/A	0.429	0.429	-0.010	0.015	0.514	36.001
rs79774233	lysoPC a C26:0	6	146035571	G/A	0.029	0.029	-0.010	0.044	0.812	22.804
rs12243061	lysoPC a C26:0	10	78756815	T/C	0.359	0.359	-0.011	0.016	0.464	21.437
rs4785216	lysoPC a C26:0	16	50579394	T/C	0.237	0.237	-0.012	0.018	0.517	20.320
rs530688	lysoPC a C26:0	11	78543856	T/C	0.391	0.391	-0.012	0.015	0.422	23.760
rs6731647	lysoPC a C26:0	2	60704739	T/G	0.453	0.453	-0.013	0.016	0.400	20.006
rs4660303	lysoPC a C26:0	1	40060473	G/A	0.228	0.228	-0.014	0.018	0.439	20.594
rs78876823	lysoPC a C26:0	5	26034698	C/T	0.363	0.363	-0.014	0.016	0.402	22.021
rs6676084	lysoPC a C26:0	1	197094030	C/T	0.315	0.315	-0.014	0.016	0.379	20.738
rs35187352	lysoPC a C26:0	12	132697766	T/G	0.600	0.400	-0.015	0.016	0.348	21.418
rs12447542	lysoPC a C26:0	16	7744180	G/A	0.125	0.125	-0.016	0.023	0.488	23.421
rs71520517	lysoPC a C26:0	8	144473554	G/A	0.120	0.120	-0.017	0.024	0.499	24.279
rs819571	lysoPC a C26:0	5	72828213	C/T	0.134	0.134	-0.017	0.023	0.465	22.042
rs329655	lysoPC a C26:0	11	133850516	C/A	0.471	0.471	-0.017	0.015	0.266	21.552
rs62167901	lysoPC a C26:0	2	142271919	G/A	0.115	0.115	-0.018	0.023	0.448	28.715
rs56187641	lysoPC a C26:0	5	50137152	A/G	0.141	0.141	-0.020	0.021	0.360	19.742
rs113677935	lysoPC a C26:0	6	92765831	G/A	0.045	0.045	-0.021	0.036	0.556	20.193
rs8044030	lysoPC a C26:0	16	30927990	G/A	0.386	0.386	-0.022	0.015	0.149	23.530
rs4843613	lysoPC a C26:0	16	87489698	T/C	0.822	0.178	-0.024	0.019	0.224	23.731
rs356194	lysoPC a C26:0	4	90685798	A/G	0.702	0.298	-0.025	0.016	0.129	26.014
rs13084427	lysoPC a C26:0	3	160434610	T/C	0.288	0.288	-0.025	0.016	0.127	24.001
rs571129804	lysoPC a C26:0	2	50745784	T/C	0.130	0.130	-0.026	0.023	0.277	24.034
rs62182099	lysoPC a C26:0	2	240184882	C/T	0.063	0.063	-0.033	0.030	0.280	28.106
rs117568533	lysoPC a C26:0	17	41317598	C/T	0.041	0.041	-0.034	0.038	0.375	21.930
rs574918	lysoPC a C26:0	12	40357647	A/G	0.831	0.169	-0.036	0.020	0.070	26.443
rs6600140	lysoPC a C26:0	16	1446883	A/C	0.901	0.099	-0.036	0.025	0.146	19.381
rs117451379	lysoPC a C26:0	7	102389213	C/T	0.071	0.071	-0.036	0.030	0.227	20.605
rs373729300	lysoPC a C26:0	12	80877090	A/G	0.144	0.144	-0.040	0.024	0.095	23.978
rs10129747	lysoPC a C26:0	14	77433198	A/G	0.527	0.473	-0.046	0.015	0.002	34.422

rs28489386	lysoPC a C26:0	8	20974664	A/G	0.067	0.067	-0.052	0.029	0.078	20.883
rs62587113	lysoPC a C26:0	9	130986184	C/T	0.025	0.025	-0.075	0.051	0.139	20.032
rs360941	lysoPC a C26:0	4	152855276	T/C	0.026	0.026	-0.113	0.048	0.017	19.819
rs144783397	lysoPC a C28:1	2	118141626	G/A	0.024	0.024	0.062	0.047	0.190	21.243
rs139721227	lysoPC a C28:1	2	56873160	C/A	0.031	0.031	0.058	0.043	0.173	20.274
rs6965619	lysoPC a C28:1	7	12932728	A/C	0.737	0.264	0.036	0.017	0.030	24.746
rs1990689	lysoPC a C28:1	4	62918377	A/C	0.700	0.300	0.028	0.016	0.076	20.409
rs74987819	lysoPC a C28:1	22	49599953	G/T	0.097	0.097	0.027	0.025	0.279	21.338
rs1557341	lysoPC a C28:1	18	35127427	A/C	0.651	0.349	0.024	0.016	0.125	27.223
rs3943093	lysoPC a C28:1	1	243458502	C/T	0.325	0.325	0.022	0.016	0.155	25.244
rs6805280	lysoPC a C28:1	3	153151706	T/C	0.720	0.280	0.022	0.016	0.172	26.435
rs7613360	lysoPC a C28:1	3	49916710	C/T	0.388	0.388	0.021	0.015	0.158	46.096
rs4239593	lysoPC a C28:1	19	55876747	C/T	0.066	0.066	0.021	0.031	0.497	19.541
rs17596955	lysoPC a C28:1	15	92556154	A/G	0.070	0.070	0.020	0.029	0.499	19.368
rs34833142	lysoPC a C28:1	18	21075938	A/G	0.453	0.453	0.019	0.015	0.194	23.153
rs8080518	lysoPC a C28:1	17	45057481	T/C	0.419	0.419	0.019	0.015	0.208	25.326
rs514070	lysoPC a C28:1	1	88718155	G/A	0.216	0.216	0.016	0.018	0.353	20.039
rs997880	lysoPC a C28:1	14	29848830	A/C	0.622	0.378	0.016	0.015	0.310	24.180
rs4852285	lysoPC a C28:1	2	72446753	A/G	0.325	0.325	0.015	0.016	0.321	26.523
rs11762900	lysoPC a C28:1	7	1265682	C/T	0.531	0.469	0.015	0.015	0.311	21.201
rs6868457	lysoPC a C28:1	5	60550041	T/C	0.477	0.477	0.015	0.015	0.319	22.316
rs2635727	lysoPC a C28:1	6	50820940	T/C	0.747	0.253	0.015	0.017	0.383	22.589
rs10514350	lysoPC a C28:1	5	90903609	A/G	0.223	0.223	0.014	0.017	0.408	20.120
rs71441133	lysoPC a C28:1	2	41355596	G/A	0.057	0.057	0.014	0.032	0.661	23.953
rs7932035	lysoPC a C28:1	11	39620131	A/G	0.805	0.195	0.012	0.018	0.500	36.324
rs17149920	lysoPC a C28:1	7	77837131	A/C	0.136	0.136	0.012	0.022	0.570	20.204
rs4785216	lysoPC a C28:1	16	50579394	T/C	0.237	0.237	0.012	0.018	0.508	20.320
rs1487446	lysoPC a C28:1	6	98565212	C/T	0.520	0.480	0.011	0.015	0.439	73.277
rs3757323	lysoPC a C28:1	6	152202007	T/C	0.640	0.360	0.009	0.015	0.554	21.261
rs56128159	lysoPC a C28:1	8	106336532	T/G	0.173	0.173	0.008	0.020	0.686	19.730
rs10828266	lysoPC a C28:1	10	22098701	A/G	0.706	0.294	0.008	0.016	0.621	25.263
rs17824247	lysoPC a C28:1	2	144152539	T/C	0.413	0.413	0.007	0.015	0.632	30.205
rs6824540	lysoPC a C28:1	4	180895676	G/A	0.199	0.199	0.007	0.018	0.710	20.862

rs1826347	lysoPC a C28:1	3	49671654	A/C	0.514	0.486	0.006	0.015	0.688	21.623
rs2824408	lysoPC a C28:1	21	19011631	A/C	0.188	0.188	0.005	0.019	0.781	21.136
rs11711620	lysoPC a C28:1	3	114444572	A/C	0.170	0.170	0.005	0.020	0.813	23.329
rs4681028	lysoPC a C28:1	3	25628749	G/T	0.208	0.208	0.005	0.018	0.808	20.040
rs73093445	lysoPC a C28:1	3	71542279	C/A	0.429	0.429	0.004	0.015	0.765	36.001
rs16955848	lysoPC a C28:1	18	50448235	C/T	0.085	0.085	0.004	0.026	0.870	19.980
rs6981838	lysoPC a C28:1	8	36820750	G/A	0.174	0.174	0.004	0.020	0.839	21.430
rs7626945	lysoPC a C28:1	3	82405757	T/C	0.240	0.240	0.003	0.017	0.865	23.539
rs530688	lysoPC a C28:1	11	78543856	T/C	0.391	0.391	0.003	0.015	0.852	23.760
rs7806045	lysoPC a C28:1	7	132610266	T/C	0.236	0.236	0.003	0.017	0.885	30.606
rs6491430	lysoPC a C28:1	13	99178276	G/A	0.574	0.426	0.001	0.015	0.945	21.279
rs62182099	lysoPC a C28:1	2	240184882	C/T	0.063	0.063	0.001	0.030	0.979	28.106
rs75838475	lysoPC a C28:1	2	146177061	C/T	0.134	0.134	0.001	0.022	0.980	19.664
rs7586014	lysoPC a C28:1	2	30089909	G/A	0.160	0.160	0.001	0.021	0.978	22.721
rs2571009	lysoPC a C28:1	18	44650279	A/G	0.471	0.471	0.000	0.015	0.989	20.139
rs10756793	lysoPC a C28:1	9	16726169	G/A	0.744	0.256	-0.001	0.017	0.968	26.884
rs73050916	lysoPC a C28:1	19	48984060	A/G	0.467	0.467	-0.001	0.015	0.938	21.173
rs2820311	lysoPC a C28:1	1	201841476	A/G	0.326	0.326	-0.001	0.016	0.934	22.310
rs2121289	lysoPC a C28:1	13	69734044	A/C	0.872	0.128	-0.002	0.022	0.945	22.013
rs6103023	lysoPC a C28:1	20	35589095	T/C	0.534	0.466	-0.002	0.015	0.919	19.629
rs41298344	lysoPC a C28:1	20	62294045	C/A	0.050	0.050	-0.002	0.035	0.956	22.888
rs363096	lysoPC a C28:1	4	3180021	T/C	0.568	0.432	-0.002	0.015	0.891	32.386
rs1548566	lysoPC a C28:1	15	25755522	C/T	0.163	0.163	-0.004	0.020	0.861	19.780
rs4660303	lysoPC a C28:1	1	40060473	G/A	0.228	0.228	-0.004	0.017	0.814	20.594
rs10065272	lysoPC a C28:1	5	125372245	G/A	0.631	0.369	-0.004	0.015	0.779	23.927
rs3858030	lysoPC a C28:1	9	1788498	T/C	0.753	0.247	-0.004	0.017	0.795	22.386
rs997652	lysoPC a C28:1	17	63914365	G/T	0.398	0.398	-0.005	0.015	0.766	22.579
rs6134143	lysoPC a C28:1	20	1168774	T/C	0.360	0.360	-0.005	0.017	0.785	22.594
rs12370683	lysoPC a C28:1	12	74580266	T/C	0.199	0.199	-0.005	0.019	0.792	20.848
rs34967803	lysoPC a C28:1	7	71109777	A/G	0.056	0.056	-0.006	0.033	0.846	22.885
rs6676084	lysoPC a C28:1	1	197094030	C/T	0.315	0.315	-0.007	0.016	0.653	20.738
rs71520517	lysoPC a C28:1	8	144473554	G/A	0.120	0.120	-0.008	0.024	0.757	24.279
rs12447542	lysoPC a C28:1	16	7744180	G/A	0.125	0.125	-0.009	0.023	0.683	23.421

rs4667812	lysoPC a C28:1	2	166254401	T/G	0.239	0.239	-0.010	0.017	0.565	35.108
rs17207890	lysoPC a C28:1	11	95490754	G/A	0.343	0.343	-0.011	0.016	0.500	34.607
rs79774233	lysoPC a C28:1	6	146035571	G/A	0.029	0.029	-0.012	0.044	0.792	22.804
rs78679681	lysoPC a C28:1	3	143292353	G/A	0.027	0.027	-0.013	0.045	0.781	21.800
rs2099740	lysoPC a C28:1	1	112704129	T/C	0.469	0.469	-0.013	0.016	0.422	20.890
rs819571	lysoPC a C28:1	5	72828213	C/T	0.134	0.134	-0.013	0.022	0.569	22.042
rs78631379	lysoPC a C28:1	8	65630877	A/G	0.036	0.036	-0.013	0.043	0.760	20.217
rs3908820	lysoPC a C28:1	1	101072470	A/G	0.073	0.073	-0.013	0.028	0.631	22.223
rs3764002	lysoPC a C28:1	12	108618630	C/T	0.259	0.259	-0.014	0.017	0.394	24.510
rs13084427	lysoPC a C28:1	3	160434610	T/C	0.288	0.288	-0.015	0.016	0.373	24.001
rs35187352	lysoPC a C28:1	12	132697766	T/G	0.600	0.400	-0.015	0.016	0.349	21.418
rs264343	lysoPC a C28:1	5	139355252	C/T	0.229	0.229	-0.015	0.017	0.387	22.837
rs356194	lysoPC a C28:1	4	90685798	A/G	0.702	0.298	-0.016	0.016	0.328	26.014
rs4843613	lysoPC a C28:1	16	87489698	T/C	0.822	0.178	-0.016	0.019	0.404	23.731
rs13107325	lysoPC a C28:1	4	103188709	C/T	0.073	0.073	-0.018	0.029	0.535	41.306
rs2294567	lysoPC a C28:1	20	40101389	A/G	0.317	0.317	-0.018	0.016	0.250	24.830
rs62167901	lysoPC a C28:1	2	142271919	G/A	0.115	0.115	-0.020	0.023	0.389	28.715
rs113677935	lysoPC a C28:1	6	92765831	G/A	0.045	0.045	-0.022	0.035	0.530	20.193
rs6600140	lysoPC a C28:1	16	1446883	A/C	0.901	0.099	-0.024	0.025	0.339	19.381
rs117568533	lysoPC a C28:1	17	41317598	C/T	0.041	0.041	-0.024	0.038	0.525	21.930
rs56187641	lysoPC a C28:1	5	50137152	A/G	0.141	0.141	-0.026	0.021	0.218	19.742
rs12243061	lysoPC a C28:1	10	78756815	T/C	0.359	0.359	-0.029	0.015	0.064	21.437
rs329655	lysoPC a C28:1	11	133850516	C/A	0.471	0.471	-0.029	0.015	0.048	21.552
rs8044030	lysoPC a C28:1	16	30927990	G/A	0.386	0.386	-0.029	0.015	0.049	23.530
rs117451379	lysoPC a C28:1	7	102389213	C/T	0.071	0.071	-0.032	0.030	0.282	20.605
rs574918	lysoPC a C28:1	12	40357647	A/G	0.831	0.169	-0.033	0.020	0.089	26.443
rs10129747	lysoPC a C28:1	14	77433198	A/G	0.527	0.473	-0.035	0.015	0.018	34.422
rs360941	lysoPC a C28:1	4	152855276	T/C	0.026	0.026	-0.062	0.047	0.192	19.819
rs28489386	lysoPC a C28:1	8	20974664	A/G	0.067	0.067	-0.071	0.029	0.016	20.883
rs62587113	lysoPC a C28:1	9	130986184	C/T	0.025	0.025	-0.086	0.050	0.087	20.032
rs2628041	lysoPC a C28:1	1	244439691	A/G	0.977	0.023	-0.098	0.063	0.121	21.990
rs62182099	met-c-856	2	240184882	C/T	0.965	0.035	0.054	0.039	0.171	28.106
rs117451379	met-c-856	7	102389213	C/T	0.941	0.059	0.037	0.029	0.203	20.605

rs78679681	met-c-856	3	143292353	G/A	0.960	0.040	0.033	0.031	0.296	21.800
rs113677935	met-c-856	6	92765831	G/A	0.974	0.026	0.032	0.041	0.443	20.193
rs4681028	met-c-856	3	25628749	G/T	0.754	0.246	0.022	0.014	0.124	20.040
rs16955848	met-c-856	18	50448235	C/T	0.951	0.049	0.022	0.029	0.450	19.980
rs356194	met-c-856	4	90685798	A/G	0.409	0.409	0.021	0.014	0.120	26.014
rs6981838	met-c-856	8	36820750	G/A	0.832	0.168	0.021	0.017	0.211	21.430
rs11762900	met-c-856	7	1265682	C/T	0.407	0.407	0.020	0.013	0.130	21.201
rs7613360	met-c-856	3	49916710	C/T	0.694	0.306	0.020	0.014	0.137	46.096
rs4843613	met-c-856	16	87489698	T/C	0.166	0.166	0.019	0.016	0.238	23.731
rs17149920	met-c-856	7	77837131	A/C	0.818	0.182	0.019	0.016	0.241	20.204
rs7586014	met-c-856	2	30089909	G/A	0.766	0.234	0.019	0.015	0.206	22.721
rs530688	met-c-856	11	78543856	T/C	0.571	0.429	0.017	0.012	0.183	23.760
rs117568533	met-c-856	17	41317598	C/T	0.953	0.047	0.017	0.030	0.580	21.930
rs1548566	met-c-856	15	25755522	C/T	0.828	0.172	0.015	0.016	0.373	19.780
rs4852285	met-c-856	2	72446753	A/G	0.675	0.325	0.015	0.013	0.267	26.523
rs997652	met-c-856	17	63914365	G/T	0.699	0.301	0.014	0.013	0.285	22.579
rs8044030	met-c-856	16	30927990	G/A	0.594	0.406	0.014	0.013	0.281	23.530
rs12370683	met-c-856	12	74580266	T/C	0.786	0.214	0.013	0.015	0.390	20.848
rs13084427	met-c-856	3	160434610	T/C	0.712	0.288	0.012	0.014	0.367	24.001
rs2824408	met-c-856	21	19011631	A/C	0.817	0.183	0.012	0.016	0.445	21.136
rs10129747	met-c-856	14	77433198	A/G	0.543	0.457	0.012	0.013	0.351	34.422
rs71441133	met-c-856	2	41355596	G/A	0.966	0.034	0.012	0.035	0.740	23.953
rs3908820	met-c-856	1	101072470	A/G	0.909	0.091	0.011	0.021	0.603	22.223
rs7932035	met-c-856	11	39620131	A/G	0.202	0.202	0.011	0.015	0.490	36.324
rs35187352	met-c-856	12	132697766	T/G	0.511	0.489	0.010	0.014	0.475	21.418
rs78631379	met-c-856	8	65630877	A/G	0.973	0.027	0.010	0.046	0.836	20.217
rs6965619	met-c-856	7	12932728	A/C	0.251	0.251	0.009	0.014	0.512	24.746
rs6491430	met-c-856	13	99178276	G/A	0.472	0.472	0.008	0.012	0.507	21.279
rs10756793	met-c-856	9	16726169	G/A	0.227	0.227	0.008	0.015	0.582	26.884
rs1487446	met-c-856	6	98565212	C/T	0.491	0.491	0.008	0.012	0.524	73.277
rs17207890	met-c-856	11	95490754	G/A	0.744	0.256	0.008	0.014	0.598	34.607
rs6676084	met-c-856	1	197094030	C/T	0.682	0.318	0.007	0.013	0.598	20.738
rs7806045	met-c-856	7	132610266	T/C	0.726	0.274	0.007	0.014	0.624	30.606

rs1557341	met-c-856	18	35127427	A/C	0.281	0.281	0.007	0.014	0.637	27.223
rs73093445	met-c-856	3	71542279	C/A	0.603	0.397	0.006	0.013	0.637	36.001
rs13107325	met-c-856	4	103188709	C/T	0.979	0.021	0.006	0.046	0.898	41.306
rs6805280	met-c-856	3	153151706	T/C	0.189	0.189	0.006	0.016	0.716	26.435
rs4667812	met-c-856	2	166254401	T/G	0.701	0.299	0.006	0.013	0.673	35.108
rs11711620	met-c-856	3	114444572	A/C	0.866	0.134	0.006	0.018	0.761	23.329
rs6600140	met-c-856	16	1446883	A/C	0.050	0.050	0.005	0.029	0.865	19.381
rs17824247	met-c-856	2	144152539	T/C	0.610	0.391	0.005	0.013	0.698	30.205
rs6868457	met-c-856	5	60550041	T/C	0.513	0.487	0.004	0.012	0.759	22.316
rs71520517	met-c-856	8	144473554	G/A	0.839	0.161	0.004	0.018	0.842	24.279
rs2635727	met-c-856	6	50820940	T/C	0.256	0.256	0.004	0.014	0.805	22.589
rs3943093	met-c-856	1	243458502	C/T	0.697	0.303	0.003	0.013	0.812	25.244
rs12447542	met-c-856	16	7744180	G/A	0.871	0.129	0.003	0.019	0.877	23.421
rs10828266	met-c-856	10	22098701	A/G	0.286	0.286	0.003	0.015	0.842	25.263
rs74987819	met-c-856	22	49599953	G/T	0.899	0.101	0.002	0.021	0.924	21.338
rs363096	met-c-856	4	3180021	T/C	0.379	0.379	0.002	0.013	0.873	32.386
rs1826347	met-c-856	3	49671654	A/C	0.571	0.429	0.002	0.013	0.891	21.623
rs75838475	met-c-856	2	146177061	C/T	0.897	0.103	0.002	0.021	0.934	19.664
rs4785216	met-c-856	16	50579394	T/C	0.697	0.303	-0.001	0.014	0.963	20.320
rs7626945	met-c-856	3	82405757	T/C	0.858	0.142	-0.001	0.018	0.969	23.539
rs819571	met-c-856	5	72828213	C/T	0.857	0.143	-0.001	0.018	0.966	22.042
rs10514350	met-c-856	5	90903609	A/G	0.746	0.254	-0.001	0.014	0.923	20.120
rs997880	met-c-856	14	29848830	A/C	0.408	0.408	-0.002	0.013	0.894	24.180
rs4239593	met-c-856	19	55876747	C/T	0.965	0.035	-0.003	0.036	0.939	19.541
rs62167901	met-c-856	2	142271919	G/A	0.916	0.084	-0.003	0.022	0.896	28.715
rs514070	met-c-856	1	88718155	G/A	0.826	0.174	-0.004	0.016	0.823	20.039
rs3757323	met-c-856	6	152202007	T/C	0.362	0.362	-0.005	0.013	0.711	21.261
rs329655	met-c-856	11	133850516	C/A	0.488	0.488	-0.006	0.013	0.668	21.552
rs2820311	met-c-856	1	201841476	A/G	0.684	0.316	-0.007	0.013	0.582	22.310
rs2571009	met-c-856	18	44650279	A/G	0.537	0.463	-0.007	0.012	0.548	20.139
rs1990689	met-c-856	4	62918377	A/C	0.225	0.225	-0.008	0.015	0.612	20.409
rs6824540	met-c-856	4	180895676	G/A	0.800	0.200	-0.008	0.016	0.616	20.862
rs73050916	met-c-856	19	48984060	A/G	0.626	0.374	-0.008	0.015	0.584	21.173

rs28489386	met-c-856	8	20974664	A/G	0.956	0.044	-0.009	0.030	0.772	20.883
rs2099740	met-c-856	1	112704129	T/C	0.483	0.483	-0.009	0.013	0.504	20.890
rs12243061	met-c-856	10	78756815	T/C	0.633	0.367	-0.009	0.013	0.494	21.437
rs264343	met-c-856	5	139355252	C/T	0.763	0.237	-0.009	0.015	0.521	22.837
rs574918	met-c-856	12	40357647	A/G	0.134	0.134	-0.010	0.018	0.583	26.443
rs2294567	met-c-856	20	40101389	A/G	0.736	0.264	-0.010	0.014	0.455	24.830
rs34833142	met-c-856	18	21075938	A/G	0.525	0.475	-0.014	0.012	0.273	23.153
rs4660303	met-c-856	1	40060473	G/A	0.782	0.218	-0.014	0.015	0.347	20.594
rs34967803	met-c-856	7	71109777	A/G	0.964	0.036	-0.016	0.034	0.642	22.885
rs6103023	met-c-856	20	35589095	T/C	0.439	0.439	-0.019	0.012	0.136	19.629
rs17596955	met-c-856	15	92556154	A/G	0.889	0.111	-0.021	0.019	0.275	19.368
rs144783397	met-c-856	2	118141626	G/A	0.971	0.029	-0.024	0.037	0.517	21.243
rs3764002	met-c-856	12	108618630	C/T	0.674	0.326	-0.026	0.013	0.048	24.510
rs2121289	met-c-856	13	69734044	A/C	0.160	0.160	-0.028	0.017	0.097	22.013
rs3858030	met-c-856	9	1788498	T/C	0.265	0.265	-0.028	0.014	0.046	22.386
rs6134143	met-c-856	20	1168774	T/C	0.725	0.275	-0.033	0.016	0.041	22.594
rs56128159	met-c-856	8	106336532	T/G	0.866	0.134	-0.035	0.018	0.059	19.730
rs56187641	met-c-856	5	50137152	A/G	0.853	0.147	-0.040	0.017	0.021	19.742
rs8080518	met-c-856	17	45057481	T/C	0.677	0.323	-0.040	0.015	0.006	25.326
rs139721227	met-c-856	2	56873160	C/A	0.980	0.020	-0.048	0.044	0.276	20.274
rs41298344	met-c-856	20	62294045	C/A	0.963	0.037	-0.052	0.035	0.136	22.888
rs2628041	met-c-856	1	244439691	A/G	0.081	0.081	-0.054	0.024	0.027	21.990
rs79774233	met-c-856	6	146035571	G/A	0.990	0.010	-0.056	0.066	0.394	22.804
rs62587113	met-c-856	9	130986184	C/T	0.987	0.013	-0.086	0.060	0.153	20.032
rs360941	met-c-856	4	152855276	T/C	0.990	0.010	-0.091	0.081	0.258	19.819
rs13107325	met-c-881	4	103188709	C/T	0.978	0.022	0.039	0.037	0.299	41.306
rs1826347	met-c-881	3	49671654	A/C	0.557	0.443	0.026	0.011	0.019	21.623
rs4852285	met-c-881	2	72446753	A/G	0.681	0.319	0.023	0.011	0.045	26.523
rs16955848	met-c-881	18	50448235	C/T	0.951	0.049	0.022	0.024	0.367	19.980
rs79774233	met-c-881	6	146035571	G/A	0.990	0.010	0.022	0.054	0.690	22.804
rs8044030	met-c-881	16	30927990	G/A	0.598	0.402	0.021	0.011	0.062	23.530
rs71520517	met-c-881	8	144473554	G/A	0.832	0.168	0.020	0.015	0.176	24.279
rs6676084	met-c-881	1	197094030	C/T	0.690	0.310	0.019	0.011	0.096	20.738

rs7586014	met-c-881	2	30089909	G/A	0.770	0.230	0.018	0.012	0.146	22.721
rs6981838	met-c-881	8	36820750	G/A	0.831	0.169	0.015	0.014	0.291	21.430
rs6134143	met-c-881	20	1168774	T/C	0.717	0.283	0.014	0.013	0.292	22.594
rs10129747	met-c-881	14	77433198	A/G	0.548	0.452	0.014	0.010	0.190	34.422
rs6491430	met-c-881	13	99178276	G/A	0.457	0.457	0.014	0.010	0.200	21.279
rs12243061	met-c-881	10	78756815	T/C	0.631	0.369	0.013	0.011	0.215	21.437
rs4239593	met-c-881	19	55876747	C/T	0.964	0.036	0.013	0.029	0.648	19.541
rs117451379	met-c-881	7	102389213	C/T	0.937	0.063	0.013	0.023	0.589	20.605
rs34833142	met-c-881	18	21075938	A/G	0.525	0.475	0.012	0.010	0.237	23.153
rs6805280	met-c-881	3	153151706	T/C	0.189	0.189	0.012	0.013	0.350	26.435
rs17207890	met-c-881	11	95490754	G/A	0.735	0.265	0.012	0.012	0.300	34.607
rs2635727	met-c-881	6	50820940	T/C	0.246	0.246	0.012	0.012	0.330	22.589
rs17149920	met-c-881	7	77837131	A/C	0.817	0.183	0.011	0.013	0.436	20.204
rs12447542	met-c-881	16	7744180	G/A	0.873	0.127	0.010	0.016	0.530	23.421
rs11762900	met-c-881	7	1265682	C/T	0.405	0.405	0.009	0.011	0.428	21.201
rs1548566	met-c-881	15	25755522	C/T	0.830	0.170	0.009	0.014	0.537	19.780
rs10828266	met-c-881	10	22098701	A/G	0.282	0.282	0.007	0.011	0.523	25.263
rs35187352	met-c-881	12	132697766	T/G	0.511	0.489	0.007	0.011	0.538	21.418
rs4785216	met-c-881	16	50579394	T/C	0.690	0.310	0.007	0.012	0.587	20.320
rs6868457	met-c-881	5	60550041	T/C	0.516	0.484	0.006	0.010	0.540	22.316
rs13084427	met-c-881	3	160434610	T/C	0.708	0.292	0.006	0.011	0.618	24.001
rs997652	met-c-881	17	63914365	G/T	0.697	0.303	0.005	0.011	0.647	22.579
rs11711620	met-c-881	3	114444572	A/C	0.864	0.136	0.004	0.015	0.792	23.329
rs4667812	met-c-881	2	166254401	T/G	0.694	0.306	0.004	0.011	0.741	35.108
rs10756793	met-c-881	9	16726169	G/A	0.228	0.228	0.004	0.012	0.767	26.884
rs28489386	met-c-881	8	20974664	A/G	0.957	0.043	0.004	0.025	0.892	20.883
rs2571009	met-c-881	18	44650279	A/G	0.540	0.460	0.004	0.010	0.736	20.139
rs17824247	met-c-881	2	144152539	T/C	0.615	0.385	0.003	0.010	0.788	30.205
rs7613360	met-c-881	3	49916710	C/T	0.692	0.308	0.003	0.011	0.804	46.096
rs7932035	met-c-881	11	39620131	A/G	0.195	0.195	0.003	0.013	0.830	36.324
rs3757323	met-c-881	6	152202007	T/C	0.352	0.352	0.002	0.011	0.866	21.261
rs73093445	met-c-881	3	71542279	C/A	0.604	0.396	0.002	0.010	0.864	36.001
rs1990689	met-c-881	4	62918377	A/C	0.225	0.225	0.002	0.012	0.885	20.409

rs7806045	met-c-881	7	132610266	T/C	0.734	0.266	0.001	0.012	0.953	30.606
rs356194	met-c-881	4	90685798	A/G	0.416	0.416	0.001	0.011	0.958	26.014
rs144783397	met-c-881	2	118141626	G/A	0.967	0.033	0.000	0.029	0.993	21.243
rs12370683	met-c-881	12	74580266	T/C	0.786	0.214	0.000	0.013	0.994	20.848
rs10514350	met-c-881	5	90903609	A/G	0.738	0.262	0.000	0.012	0.992	20.120
rs62182099	met-c-881	2	240184882	C/T	0.963	0.037	0.000	0.032	0.992	28.106
rs2099740	met-c-881	1	112704129	T/C	0.492	0.492	-0.001	0.011	0.941	20.890
rs329655	met-c-881	11	133850516	C/A	0.483	0.483	-0.001	0.011	0.939	21.552
rs4843613	met-c-881	16	87489698	T/C	0.165	0.165	-0.001	0.014	0.934	23.731
rs78679681	met-c-881	3	143292353	G/A	0.961	0.039	-0.001	0.027	0.957	21.800
rs2294567	met-c-881	20	40101389	A/G	0.732	0.268	-0.003	0.012	0.825	24.830
rs2824408	met-c-881	21	19011631	A/C	0.826	0.174	-0.004	0.013	0.785	21.136
rs1557341	met-c-881	18	35127427	A/C	0.279	0.279	-0.004	0.012	0.749	27.223
rs6824540	met-c-881	4	180895676	G/A	0.802	0.198	-0.004	0.013	0.767	20.862
rs514070	met-c-881	1	88718155	G/A	0.826	0.174	-0.004	0.013	0.759	20.039
rs6965619	met-c-881	7	12932728	A/C	0.256	0.256	-0.005	0.012	0.674	24.746
rs8080518	met-c-881	17	45057481	T/C	0.670	0.330	-0.006	0.012	0.645	25.326
rs62167901	met-c-881	2	142271919	G/A	0.908	0.092	-0.006	0.018	0.724	28.715
rs1487446	met-c-881	6	98565212	C/T	0.494	0.494	-0.007	0.010	0.533	73.277
rs363096	met-c-881	4	3180021	T/C	0.386	0.386	-0.007	0.011	0.492	32.386
rs3858030	met-c-881	9	1788498	T/C	0.273	0.273	-0.007	0.012	0.533	22.386
rs819571	met-c-881	5	72828213	C/T	0.852	0.148	-0.007	0.015	0.616	22.042
rs75838475	met-c-881	2	146177061	C/T	0.892	0.108	-0.008	0.018	0.665	19.664
rs4681028	met-c-881	3	25628749	G/T	0.767	0.233	-0.008	0.012	0.538	20.040
rs264343	met-c-881	5	139355252	C/T	0.755	0.245	-0.008	0.012	0.497	22.837
rs113677935	met-c-881	6	92765831	G/A	0.974	0.026	-0.009	0.035	0.804	20.193
rs3764002	met-c-881	12	108618630	C/T	0.671	0.329	-0.009	0.011	0.400	24.510
rs530688	met-c-881	11	78543856	T/C	0.567	0.433	-0.010	0.010	0.361	23.760
rs3943093	met-c-881	1	243458502	C/T	0.694	0.306	-0.010	0.011	0.366	25.244
rs997880	met-c-881	14	29848830	A/C	0.396	0.396	-0.011	0.011	0.299	24.180
rs2820311	met-c-881	1	201841476	A/G	0.679	0.321	-0.011	0.011	0.311	22.310
rs34967803	met-c-881	7	71109777	A/G	0.964	0.036	-0.012	0.029	0.673	22.885
rs17596955	met-c-881	15	92556154	A/G	0.890	0.110	-0.013	0.016	0.443	19.368

rs6600140	met-c-881	16	1446883	A/C	0.053	0.053	-0.014	0.024	0.567	19.381
rs4660303	met-c-881	1	40060473	G/A	0.776	0.224	-0.014	0.012	0.256	20.594
rs73050916	met-c-881	19	48984060	A/G	0.613	0.387	-0.016	0.012	0.197	21.173
rs7626945	met-c-881	3	82405757	T/C	0.855	0.145	-0.016	0.015	0.272	23.539
rs139721227	met-c-881	2	56873160	C/A	0.980	0.020	-0.018	0.037	0.633	20.274
rs56128159	met-c-881	8	106336532	T/G	0.865	0.135	-0.019	0.015	0.208	19.730
rs117568533	met-c-881	17	41317598	C/T	0.957	0.043	-0.020	0.026	0.446	21.930
rs6103023	met-c-881	20	35589095	T/C	0.445	0.445	-0.022	0.010	0.035	19.629
rs56187641	met-c-881	5	50137152	A/G	0.857	0.143	-0.023	0.015	0.133	19.742
rs2121289	met-c-881	13	69734044	A/C	0.157	0.157	-0.023	0.014	0.118	22.013
rs3908820	met-c-881	1	101072470	A/G	0.909	0.091	-0.023	0.018	0.204	22.223
rs71441133	met-c-881	2	41355596	G/A	0.966	0.034	-0.024	0.029	0.419	23.953
rs574918	met-c-881	12	40357647	A/G	0.130	0.130	-0.024	0.015	0.116	26.443
rs74987819	met-c-881	22	49599953	G/T	0.896	0.104	-0.028	0.017	0.118	21.338
rs41298344	met-c-881	20	62294045	C/A	0.963	0.037	-0.038	0.029	0.201	22.888
rs78631379	met-c-881	8	65630877	A/G	0.971	0.029	-0.038	0.036	0.300	20.217
rs2628041	met-c-881	1	244439691	A/G	0.077	0.077	-0.047	0.021	0.024	21.990
rs360941	met-c-881	4	152855276	T/C	0.988	0.012	-0.063	0.063	0.332	19.819
rs62587113	met-c-881	9	130986184	C/T	0.987	0.013	-0.081	0.050	0.108	20.032
rs34967803	met-c-889	7	71109777	A/G	0.964	0.036	0.044	0.029	0.135	22.885
rs1548566	met-c-889	15	25755522	C/T	0.829	0.171	0.042	0.014	0.003	19.780
rs16955848	met-c-889	18	50448235	C/T	0.951	0.049	0.034	0.024	0.164	19.980
rs6134143	met-c-889	20	1168774	T/C	0.717	0.283	0.029	0.013	0.034	22.594
rs78679681	met-c-889	3	143292353	G/A	0.961	0.039	0.028	0.027	0.307	21.800
rs8044030	met-c-889	16	30927990	G/A	0.598	0.402	0.027	0.011	0.016	23.530
rs1557341	met-c-889	18	35127427	A/C	0.279	0.279	0.027	0.012	0.024	27.223
rs56128159	met-c-889	8	106336532	T/G	0.865	0.135	0.025	0.015	0.100	19.730
rs7932035	met-c-889	11	39620131	A/G	0.195	0.195	0.025	0.013	0.054	36.324
rs4239593	met-c-889	19	55876747	C/T	0.964	0.036	0.022	0.029	0.452	19.541
rs10514350	met-c-889	5	90903609	A/G	0.738	0.262	0.019	0.012	0.101	20.120
rs6981838	met-c-889	8	36820750	G/A	0.831	0.169	0.016	0.014	0.256	21.430
rs74987819	met-c-889	22	49599953	G/T	0.895	0.105	0.015	0.017	0.391	21.338
rs12370683	met-c-889	12	74580266	T/C	0.786	0.214	0.015	0.013	0.243	20.848

rs4852285	met-c-889	2	72446753	A/G	0.681	0.319	0.015	0.011	0.185	26.523
rs7586014	met-c-889	2	30089909	G/A	0.770	0.230	0.014	0.012	0.251	22.721
rs17596955	met-c-889	15	92556154	A/G	0.890	0.110	0.014	0.016	0.405	19.368
rs7613360	met-c-889	3	49916710	C/T	0.692	0.308	0.013	0.011	0.250	46.096
rs12243061	met-c-889	10	78756815	T/C	0.631	0.369	0.013	0.011	0.226	21.437
rs12447542	met-c-889	16	7744180	G/A	0.873	0.127	0.011	0.016	0.485	23.421
rs73093445	met-c-889	3	71542279	C/A	0.604	0.396	0.011	0.011	0.301	36.001
rs819571	met-c-889	5	72828213	C/T	0.852	0.148	0.011	0.015	0.460	22.042
rs7806045	met-c-889	7	132610266	T/C	0.734	0.266	0.011	0.012	0.357	30.606
rs6805280	met-c-889	3	153151706	T/C	0.189	0.189	0.011	0.013	0.419	26.435
rs17149920	met-c-889	7	77837131	A/C	0.817	0.183	0.010	0.013	0.483	20.204
rs2294567	met-c-889	20	40101389	A/G	0.732	0.268	0.010	0.012	0.418	24.830
rs11711620	met-c-889	3	114444572	A/C	0.865	0.135	0.009	0.015	0.566	23.329
rs7626945	met-c-889	3	82405757	T/C	0.855	0.145	0.009	0.015	0.552	23.539
rs10828266	met-c-889	10	22098701	A/G	0.282	0.282	0.009	0.012	0.449	25.263
rs10756793	met-c-889	9	16726169	G/A	0.229	0.229	0.007	0.012	0.563	26.884
rs356194	met-c-889	4	90685798	A/G	0.417	0.417	0.007	0.012	0.552	26.014
rs3764002	met-c-889	12	108618630	C/T	0.671	0.329	0.007	0.011	0.544	24.510
rs17207890	met-c-889	11	95490754	G/A	0.734	0.266	0.007	0.012	0.577	34.607
rs10129747	met-c-889	14	77433198	A/G	0.548	0.452	0.006	0.011	0.556	34.422
rs6491430	met-c-889	13	99178276	G/A	0.456	0.456	0.006	0.010	0.559	21.279
rs4667812	met-c-889	2	166254401	T/G	0.694	0.306	0.006	0.011	0.593	35.108
rs3943093	met-c-889	1	243458502	C/T	0.694	0.306	0.006	0.011	0.605	25.244
rs1990689	met-c-889	4	62918377	A/C	0.225	0.225	0.005	0.012	0.695	20.409
rs1826347	met-c-889	3	49671654	A/C	0.557	0.443	0.005	0.011	0.666	21.623
rs35187352	met-c-889	12	132697766	T/G	0.511	0.489	0.004	0.012	0.707	21.418
rs6824540	met-c-889	4	180895676	G/A	0.802	0.198	0.003	0.013	0.805	20.862
rs3908820	met-c-889	1	101072470	A/G	0.909	0.091	0.003	0.018	0.869	22.223
rs3858030	met-c-889	9	1788498	T/C	0.273	0.273	0.003	0.012	0.824	22.386
rs1487446	met-c-889	6	98565212	C/T	0.494	0.494	0.003	0.010	0.804	73.277
rs8080518	met-c-889	17	45057481	T/C	0.670	0.330	0.002	0.012	0.863	25.326
rs264343	met-c-889	5	139355252	C/T	0.755	0.245	0.002	0.012	0.869	22.837
rs6676084	met-c-889	1	197094030	C/T	0.690	0.310	0.002	0.011	0.871	20.738

rs4681028	met-c-889	3	25628749	G/T	0.768	0.232	0.001	0.012	0.959	20.040
rs17824247	met-c-889	2	144152539	T/C	0.615	0.385	0.000	0.011	0.965	30.205
rs73050916	met-c-889	19	48984060	A/G	0.613	0.387	0.000	0.012	0.970	21.173
rs34833142	met-c-889	18	21075938	A/G	0.525	0.475	-0.001	0.010	0.930	23.153
rs71520517	met-c-889	8	144473554	G/A	0.832	0.168	-0.001	0.015	0.934	24.279
rs360941	met-c-889	4	152855276	T/C	0.988	0.012	-0.001	0.064	0.983	19.819
rs6103023	met-c-889	20	35589095	T/C	0.445	0.445	-0.001	0.010	0.891	19.629
rs2571009	met-c-889	18	44650279	A/G	0.540	0.460	-0.002	0.010	0.882	20.139
rs6868457	met-c-889	5	60550041	T/C	0.517	0.483	-0.002	0.010	0.832	22.316
rs6600140	met-c-889	16	1446883	A/C	0.053	0.053	-0.002	0.024	0.920	19.381
rs6965619	met-c-889	7	12932728	A/C	0.255	0.255	-0.003	0.012	0.771	24.746
rs997652	met-c-889	17	63914365	G/T	0.697	0.303	-0.004	0.011	0.729	22.579
rs514070	met-c-889	1	88718155	G/A	0.826	0.174	-0.004	0.014	0.750	20.039
rs2820311	met-c-889	1	201841476	A/G	0.679	0.321	-0.005	0.011	0.639	22.310
rs2099740	met-c-889	1	112704129	T/C	0.492	0.492	-0.006	0.011	0.616	20.890
rs4843613	met-c-889	16	87489698	T/C	0.165	0.165	-0.006	0.014	0.680	23.731
rs11762900	met-c-889	7	1265682	C/T	0.405	0.405	-0.006	0.011	0.610	21.201
rs2824408	met-c-889	21	19011631	A/C	0.825	0.175	-0.006	0.014	0.655	21.136
rs62182099	met-c-889	2	240184882	C/T	0.963	0.037	-0.006	0.032	0.846	28.106
rs117451379	met-c-889	7	102389213	C/T	0.937	0.063	-0.007	0.024	0.767	20.605
rs2121289	met-c-889	13	69734044	A/C	0.156	0.156	-0.008	0.014	0.581	22.013
rs75838475	met-c-889	2	146177061	C/T	0.892	0.108	-0.009	0.018	0.625	19.664
rs139721227	met-c-889	2	56873160	C/A	0.980	0.020	-0.010	0.037	0.797	20.274
rs62167901	met-c-889	2	142271919	G/A	0.907	0.093	-0.011	0.018	0.557	28.715
rs997880	met-c-889	14	29848830	A/C	0.396	0.396	-0.011	0.011	0.303	24.180
rs13084427	met-c-889	3	160434610	T/C	0.707	0.293	-0.011	0.011	0.336	24.001
rs41298344	met-c-889	20	62294045	C/A	0.963	0.037	-0.011	0.029	0.706	22.888
rs363096	met-c-889	4	3180021	T/C	0.385	0.385	-0.015	0.011	0.162	32.386
rs3757323	met-c-889	6	152202007	T/C	0.352	0.352	-0.017	0.011	0.117	21.261
rs530688	met-c-889	11	78543856	T/C	0.567	0.433	-0.019	0.010	0.077	23.760
rs113677935	met-c-889	6	92765831	G/A	0.974	0.026	-0.019	0.035	0.591	20.193
rs79774233	met-c-889	6	146035571	G/A	0.990	0.010	-0.020	0.054	0.712	22.804
rs56187641	met-c-889	5	50137152	A/G	0.857	0.143	-0.020	0.015	0.173	19.742

rs71441133	met-c-889	2	41355596	G/A	0.965	0.035	-0.020	0.029	0.485	23.953
rs4660303	met-c-889	1	40060473	G/A	0.776	0.224	-0.022	0.012	0.087	20.594
rs4785216	met-c-889	16	50579394	T/C	0.690	0.310	-0.022	0.012	0.066	20.320
rs2635727	met-c-889	6	50820940	T/C	0.246	0.246	-0.022	0.012	0.065	22.589
rs329655	met-c-889	11	133850516	C/A	0.482	0.482	-0.024	0.011	0.026	21.552
rs574918	met-c-889	12	40357647	A/G	0.130	0.130	-0.030	0.015	0.057	26.443
rs144783397	met-c-889	2	118141626	G/A	0.967	0.033	-0.034	0.029	0.242	21.243
rs28489386	met-c-889	8	20974664	A/G	0.957	0.043	-0.036	0.026	0.159	20.883
rs13107325	met-c-889	4	103188709	C/T	0.978	0.022	-0.037	0.037	0.327	41.306
rs117568533	met-c-889	17	41317598	C/T	0.957	0.043	-0.041	0.026	0.124	21.930
rs78631379	met-c-889	8	65630877	A/G	0.970	0.030	-0.044	0.036	0.232	20.217
rs2628041	met-c-889	1	244439691	A/G	0.076	0.076	-0.049	0.021	0.019	21.990
rs62587113	met-c-889	9	130986184	C/T	0.987	0.013	-0.050	0.050	0.326	20.032
rs62182099	met-c-893	2	240184882	C/T	0.965	0.035	0.075	0.039	0.059	28.106
rs78679681	met-c-893	3	143292353	G/A	0.960	0.040	0.041	0.031	0.196	21.800
rs16955848	met-c-893	18	50448235	C/T	0.951	0.049	0.029	0.029	0.323	19.980
rs113677935	met-c-893	6	92765831	G/A	0.974	0.026	0.028	0.041	0.495	20.193
rs4843613	met-c-893	16	87489698	T/C	0.166	0.166	0.027	0.016	0.107	23.731
rs7586014	met-c-893	2	30089909	G/A	0.766	0.234	0.025	0.015	0.087	22.721
rs12370683	met-c-893	12	74580266	T/C	0.786	0.214	0.024	0.015	0.119	20.848
rs117451379	met-c-893	7	102389213	C/T	0.941	0.059	0.021	0.029	0.460	20.605
rs4681028	met-c-893	3	25628749	G/T	0.754	0.246	0.021	0.014	0.152	20.040
rs4852285	met-c-893	2	72446753	A/G	0.675	0.325	0.018	0.013	0.186	26.523
rs1548566	met-c-893	15	25755522	C/T	0.828	0.172	0.018	0.016	0.289	19.780
rs6981838	met-c-893	8	36820750	G/A	0.832	0.168	0.017	0.017	0.304	21.430
rs11762900	met-c-893	7	1265682	C/T	0.407	0.407	0.017	0.013	0.199	21.201
rs8044030	met-c-893	16	30927990	G/A	0.594	0.406	0.016	0.013	0.223	23.530
rs7613360	met-c-893	3	49916710	C/T	0.694	0.306	0.016	0.014	0.246	46.096
rs10129747	met-c-893	14	77433198	A/G	0.543	0.457	0.015	0.013	0.230	34.422
rs17149920	met-c-893	7	77837131	A/C	0.818	0.182	0.013	0.016	0.413	20.204
rs17207890	met-c-893	11	95490754	G/A	0.744	0.256	0.013	0.014	0.362	34.607
rs6600140	met-c-893	16	1446883	A/C	0.050	0.050	0.013	0.029	0.657	19.381
rs117568533	met-c-893	17	41317598	C/T	0.953	0.047	0.013	0.030	0.667	21.930

rs530688	met-c-893	11	78543856	T/C	0.571	0.429	0.013	0.012	0.308	23.760
rs6965619	met-c-893	7	12932728	A/C	0.251	0.251	0.012	0.014	0.394	24.746
rs10828266	met-c-893	10	22098701	A/G	0.284	0.284	0.012	0.014	0.389	25.263
rs1826347	met-c-893	3	49671654	A/C	0.571	0.429	0.011	0.013	0.394	21.623
rs356194	met-c-893	4	90685798	A/G	0.410	0.410	0.011	0.014	0.426	26.014
rs12447542	met-c-893	16	7744180	G/A	0.871	0.129	0.010	0.019	0.584	23.421
rs13084427	met-c-893	3	160434610	T/C	0.711	0.289	0.009	0.014	0.526	24.001
rs6491430	met-c-893	13	99178276	G/A	0.472	0.472	0.009	0.012	0.488	21.279
rs1487446	met-c-893	6	98565212	C/T	0.491	0.491	0.008	0.012	0.533	73.277
rs997652	met-c-893	17	63914365	G/T	0.699	0.301	0.007	0.013	0.585	22.579
rs6676084	met-c-893	1	197094030	C/T	0.682	0.318	0.007	0.013	0.587	20.738
rs3908820	met-c-893	1	101072470	A/G	0.909	0.091	0.006	0.021	0.771	22.223
rs71520517	met-c-893	8	144473554	G/A	0.839	0.161	0.006	0.018	0.736	24.279
rs2635727	met-c-893	6	50820940	T/C	0.256	0.256	0.006	0.014	0.669	22.589
rs11711620	met-c-893	3	114444572	A/C	0.866	0.134	0.006	0.018	0.743	23.329
rs35187352	met-c-893	12	132697766	T/G	0.512	0.488	0.006	0.014	0.681	21.418
rs6868457	met-c-893	5	60550041	T/C	0.513	0.487	0.006	0.012	0.655	22.316
rs10756793	met-c-893	9	16726169	G/A	0.227	0.227	0.005	0.015	0.717	26.884
rs2824408	met-c-893	21	19011631	A/C	0.817	0.183	0.005	0.016	0.762	21.136
rs819571	met-c-893	5	72828213	C/T	0.857	0.143	0.005	0.018	0.795	22.042
rs1557341	met-c-893	18	35127427	A/C	0.281	0.281	0.004	0.014	0.775	27.223
rs4785216	met-c-893	16	50579394	T/C	0.696	0.304	0.004	0.014	0.789	20.320
rs3943093	met-c-893	1	243458502	C/T	0.697	0.303	0.004	0.013	0.781	25.244
rs7626945	met-c-893	3	82405757	T/C	0.858	0.142	0.004	0.018	0.842	23.539
rs7932035	met-c-893	11	39620131	A/G	0.202	0.202	0.004	0.015	0.818	36.324
rs73093445	met-c-893	3	71542279	C/A	0.603	0.397	0.003	0.013	0.788	36.001
rs4667812	met-c-893	2	166254401	T/G	0.702	0.298	0.003	0.013	0.812	35.108
rs71441133	met-c-893	2	41355596	G/A	0.966	0.034	0.002	0.035	0.948	23.953
rs514070	met-c-893	1	88718155	G/A	0.826	0.174	0.002	0.016	0.913	20.039
rs997880	met-c-893	14	29848830	A/C	0.408	0.408	0.001	0.013	0.948	24.180
rs7806045	met-c-893	7	132610266	T/C	0.726	0.274	0.001	0.014	0.957	30.606
rs4239593	met-c-893	19	55876747	C/T	0.965	0.035	0.000	0.035	0.989	19.541
rs329655	met-c-893	11	133850516	C/A	0.488	0.488	-0.001	0.013	0.945	21.552

rs574918	met-c-893	12	40357647	A/G	0.134	0.134	-0.001	0.018	0.944	26.443
rs10514350	met-c-893	5	90903609	A/G	0.746	0.254	-0.002	0.014	0.880	20.120
rs17824247	met-c-893	2	144152539	T/C	0.609	0.391	-0.004	0.012	0.777	30.205
rs2099740	met-c-893	1	112704129	T/C	0.484	0.484	-0.004	0.013	0.770	20.890
rs1990689	met-c-893	4	62918377	A/C	0.225	0.225	-0.004	0.015	0.792	20.409
rs363096	met-c-893	4	3180021	T/C	0.379	0.379	-0.005	0.013	0.720	32.386
rs74987819	met-c-893	22	49599953	G/T	0.899	0.101	-0.005	0.021	0.815	21.338
rs12243061	met-c-893	10	78756815	T/C	0.634	0.366	-0.005	0.013	0.671	21.437
rs78631379	met-c-893	8	65630877	A/G	0.973	0.027	-0.006	0.046	0.894	20.217
rs6805280	met-c-893	3	153151706	T/C	0.189	0.189	-0.006	0.016	0.685	26.435
rs75838475	met-c-893	2	146177061	C/T	0.897	0.103	-0.006	0.021	0.765	19.664
rs62167901	met-c-893	2	142271919	G/A	0.915	0.085	-0.007	0.022	0.744	28.715
rs2571009	met-c-893	18	44650279	A/G	0.538	0.462	-0.008	0.012	0.541	20.139
rs2820311	met-c-893	1	201841476	A/G	0.684	0.316	-0.008	0.013	0.564	22.310
rs3757323	met-c-893	6	152202007	T/C	0.362	0.362	-0.011	0.013	0.392	21.261
rs264343	met-c-893	5	139355252	C/T	0.763	0.237	-0.011	0.015	0.450	22.837
rs73050916	met-c-893	19	48984060	A/G	0.626	0.374	-0.011	0.015	0.443	21.173
rs6103023	met-c-893	20	35589095	T/C	0.439	0.439	-0.011	0.012	0.358	19.629
rs2294567	met-c-893	20	40101389	A/G	0.736	0.264	-0.012	0.014	0.394	24.830
rs6824540	met-c-893	4	180895676	G/A	0.799	0.201	-0.013	0.016	0.419	20.862
rs3764002	met-c-893	12	108618630	C/T	0.674	0.326	-0.015	0.013	0.246	24.510
rs4660303	met-c-893	1	40060473	G/A	0.782	0.218	-0.016	0.015	0.300	20.594
rs17596955	met-c-893	15	92556154	A/G	0.889	0.111	-0.019	0.019	0.333	19.368
rs34833142	met-c-893	18	21075938	A/G	0.525	0.475	-0.019	0.012	0.123	23.153
rs13107325	met-c-893	4	103188709	C/T	0.979	0.021	-0.020	0.045	0.654	41.306
rs6134143	met-c-893	20	1168774	T/C	0.725	0.275	-0.022	0.016	0.164	22.594
rs2121289	met-c-893	13	69734044	A/C	0.161	0.161	-0.023	0.017	0.181	22.013
rs3858030	met-c-893	9	1788498	T/C	0.265	0.265	-0.027	0.014	0.053	22.386
rs28489386	met-c-893	8	20974664	A/G	0.956	0.044	-0.028	0.030	0.360	20.883
rs144783397	met-c-893	2	118141626	G/A	0.971	0.029	-0.030	0.037	0.415	21.243
rs34967803	met-c-893	7	71109777	A/G	0.964	0.036	-0.032	0.034	0.359	22.885
rs56128159	met-c-893	8	106336532	T/G	0.866	0.134	-0.035	0.018	0.056	19.730
rs139721227	met-c-893	2	56873160	C/A	0.980	0.020	-0.035	0.044	0.427	20.274

rs8080518	met-c-893	17	45057481	T/C	0.677	0.323	-0.036	0.015	0.016	25.326
rs41298344	met-c-893	20	62294045	C/A	0.963	0.037	-0.039	0.035	0.262	22.888
rs56187641	met-c-893	5	50137152	A/G	0.854	0.146	-0.042	0.017	0.018	19.742
rs2628041	met-c-893	1	244439691	A/G	0.081	0.081	-0.043	0.024	0.075	21.990
rs360941	met-c-893	4	152855276	T/C	0.990	0.010	-0.067	0.080	0.409	19.819
rs79774233	met-c-893	6	146035571	G/A	0.990	0.010	-0.079	0.066	0.233	22.804
rs62587113	met-c-893	9	130986184	C/T	0.987	0.013	-0.089	0.060	0.136	20.032
rs79774233	met-c-925	6	146035571	G/A	0.990	0.010	0.043	0.054	0.432	22.804
rs16955848	met-c-925	18	50448235	C/T	0.951	0.049	0.037	0.024	0.135	19.980
rs117451379	met-c-925	7	102389213	C/T	0.937	0.063	0.033	0.023	0.159	20.605
rs8044030	met-c-925	16	30927990	G/A	0.598	0.402	0.026	0.011	0.021	23.530
rs1826347	met-c-925	3	49671654	A/C	0.557	0.443	0.025	0.011	0.027	21.623
rs6981838	met-c-925	8	36820750	G/A	0.831	0.169	0.023	0.014	0.105	21.430
rs4852285	met-c-925	2	72446753	A/G	0.681	0.319	0.022	0.011	0.046	26.523
rs62182099	met-c-925	2	240184882	C/T	0.963	0.037	0.021	0.032	0.509	28.106
rs7586014	met-c-925	2	30089909	G/A	0.770	0.230	0.019	0.012	0.123	22.721
rs71520517	met-c-925	8	144473554	G/A	0.832	0.168	0.019	0.015	0.199	24.279
rs13107325	met-c-925	4	103188709	C/T	0.978	0.022	0.019	0.037	0.610	41.306
rs6676084	met-c-925	1	197094030	C/T	0.690	0.310	0.018	0.011	0.111	20.738
rs12243061	met-c-925	10	78756815	T/C	0.631	0.369	0.017	0.011	0.119	21.437
rs6491430	met-c-925	13	99178276	G/A	0.457	0.457	0.016	0.010	0.131	21.279
rs10129747	met-c-925	14	77433198	A/G	0.548	0.452	0.014	0.010	0.200	34.422
rs6134143	met-c-925	20	1168774	T/C	0.717	0.283	0.013	0.013	0.332	22.594
rs12447542	met-c-925	16	7744180	G/A	0.873	0.127	0.013	0.016	0.440	23.421
rs34833142	met-c-925	18	21075938	A/G	0.525	0.475	0.012	0.010	0.256	23.153
rs78679681	met-c-925	3	143292353	G/A	0.961	0.039	0.012	0.027	0.661	21.800
rs6805280	met-c-925	3	153151706	T/C	0.189	0.189	0.011	0.013	0.397	26.435
rs1548566	met-c-925	15	25755522	C/T	0.830	0.170	0.011	0.014	0.425	19.780
rs2635727	met-c-925	6	50820940	T/C	0.246	0.246	0.011	0.012	0.383	22.589
rs7932035	met-c-925	11	39620131	A/G	0.195	0.195	0.009	0.013	0.483	36.324
rs11762900	met-c-925	7	1265682	C/T	0.405	0.405	0.009	0.011	0.421	21.201
rs17207890	met-c-925	11	95490754	G/A	0.735	0.265	0.009	0.012	0.468	34.607
rs12370683	met-c-925	12	74580266	T/C	0.786	0.214	0.008	0.013	0.511	20.848

rs73093445	met-c-925	3	71542279	C/A	0.604	0.396	0.008	0.010	0.432	36.001
rs10514350	met-c-925	5	90903609	A/G	0.738	0.262	0.008	0.012	0.488	20.120
rs17149920	met-c-925	7	77837131	A/C	0.817	0.183	0.008	0.013	0.544	20.204
rs113677935	met-c-925	6	92765831	G/A	0.974	0.026	0.008	0.035	0.823	20.193
rs1990689	met-c-925	4	62918377	A/C	0.225	0.225	0.007	0.012	0.576	20.409
rs6868457	met-c-925	5	60550041	T/C	0.516	0.484	0.007	0.010	0.513	22.316
rs35187352	met-c-925	12	132697766	T/G	0.511	0.489	0.007	0.011	0.575	21.418
rs7613360	met-c-925	3	49916710	C/T	0.692	0.308	0.006	0.011	0.610	46.096
rs13084427	met-c-925	3	160434610	T/C	0.708	0.292	0.006	0.011	0.626	24.001
rs4239593	met-c-925	19	55876747	C/T	0.964	0.036	0.005	0.029	0.851	19.541
rs7806045	met-c-925	7	132610266	T/C	0.734	0.266	0.005	0.012	0.673	30.606
rs356194	met-c-925	4	90685798	A/G	0.416	0.416	0.005	0.011	0.688	26.014
rs4667812	met-c-925	2	166254401	T/G	0.694	0.306	0.004	0.011	0.713	35.108
rs10828266	met-c-925	10	22098701	A/G	0.282	0.282	0.004	0.011	0.739	25.263
rs10756793	met-c-925	9	16726169	G/A	0.228	0.228	0.004	0.012	0.759	26.884
rs997652	met-c-925	17	63914365	G/T	0.697	0.303	0.003	0.011	0.797	22.579
rs34967803	met-c-925	7	71109777	A/G	0.964	0.036	0.002	0.029	0.940	22.885
rs4785216	met-c-925	16	50579394	T/C	0.690	0.310	0.002	0.012	0.888	20.320
rs2099740	met-c-925	1	112704129	T/C	0.492	0.492	0.001	0.011	0.895	20.890
rs1557341	met-c-925	18	35127427	A/C	0.279	0.279	0.001	0.012	0.911	27.223
rs4843613	met-c-925	16	87489698	T/C	0.165	0.165	0.001	0.014	0.957	23.731
rs514070	met-c-925	1	88718155	G/A	0.826	0.174	0.000	0.013	0.973	20.039
rs2571009	met-c-925	18	44650279	A/G	0.540	0.460	0.000	0.010	0.970	20.139
rs6965619	met-c-925	7	12932728	A/C	0.256	0.256	-0.001	0.012	0.928	24.746
rs62167901	met-c-925	2	142271919	G/A	0.908	0.092	-0.002	0.018	0.922	28.715
rs2824408	met-c-925	21	19011631	A/C	0.826	0.174	-0.002	0.013	0.888	21.136
rs6824540	met-c-925	4	180895676	G/A	0.802	0.198	-0.003	0.013	0.840	20.862
rs3764002	met-c-925	12	108618630	C/T	0.671	0.329	-0.004	0.011	0.743	24.510
rs3943093	met-c-925	1	243458502	C/T	0.694	0.306	-0.004	0.011	0.742	25.244
rs17824247	met-c-925	2	144152539	T/C	0.615	0.385	-0.004	0.010	0.704	30.205
rs17596955	met-c-925	15	92556154	A/G	0.890	0.110	-0.004	0.016	0.788	19.368
rs329655	met-c-925	11	133850516	C/A	0.483	0.483	-0.005	0.011	0.664	21.552
rs11711620	met-c-925	3	114444572	A/C	0.864	0.136	-0.005	0.015	0.723	23.329

rs3757323	met-c-925	6	152202007	T/C	0.352	0.352	-0.006	0.011	0.604	21.261
rs75838475	met-c-925	2	146177061	C/T	0.892	0.108	-0.006	0.018	0.742	19.664
rs2294567	met-c-925	20	40101389	A/G	0.732	0.268	-0.007	0.012	0.562	24.830
rs3858030	met-c-925	9	1788498	T/C	0.273	0.273	-0.007	0.012	0.562	22.386
rs819571	met-c-925	5	72828213	C/T	0.852	0.148	-0.007	0.015	0.637	22.042
rs4681028	met-c-925	3	25628749	G/T	0.767	0.233	-0.008	0.012	0.519	20.040
rs1487446	met-c-925	6	98565212	C/T	0.494	0.494	-0.009	0.010	0.373	73.277
rs8080518	met-c-925	17	45057481	T/C	0.670	0.330	-0.010	0.012	0.438	25.326
rs363096	met-c-925	4	3180021	T/C	0.386	0.386	-0.010	0.011	0.329	32.386
rs264343	met-c-925	5	139355252	C/T	0.755	0.245	-0.011	0.012	0.377	22.837
rs530688	met-c-925	11	78543856	T/C	0.567	0.433	-0.012	0.010	0.274	23.760
rs28489386	met-c-925	8	20974664	A/G	0.957	0.043	-0.012	0.025	0.647	20.883
rs56128159	met-c-925	8	106336532	T/G	0.865	0.135	-0.013	0.015	0.390	19.730
rs73050916	met-c-925	19	48984060	A/G	0.613	0.387	-0.013	0.012	0.278	21.173
rs7626945	met-c-925	3	82405757	T/C	0.855	0.145	-0.013	0.015	0.366	23.539
rs144783397	met-c-925	2	118141626	G/A	0.967	0.033	-0.014	0.029	0.638	21.243
rs2820311	met-c-925	1	201841476	A/G	0.679	0.321	-0.015	0.011	0.178	22.310
rs4660303	met-c-925	1	40060473	G/A	0.776	0.224	-0.017	0.012	0.178	20.594
rs74987819	met-c-925	22	49599953	G/T	0.896	0.104	-0.018	0.017	0.313	21.338
rs2121289	met-c-925	13	69734044	A/C	0.157	0.157	-0.019	0.014	0.191	22.013
rs997880	met-c-925	14	29848830	A/C	0.396	0.396	-0.019	0.011	0.076	24.180
rs3908820	met-c-925	1	101072470	A/G	0.909	0.091	-0.019	0.018	0.286	22.223
rs6600140	met-c-925	16	1446883	A/C	0.053	0.053	-0.023	0.024	0.345	19.381
rs6103023	met-c-925	20	35589095	T/C	0.445	0.445	-0.023	0.010	0.031	19.629
rs117568533	met-c-925	17	41317598	C/T	0.957	0.043	-0.024	0.026	0.363	21.930
rs56187641	met-c-925	5	50137152	A/G	0.857	0.143	-0.025	0.015	0.092	19.742
rs574918	met-c-925	12	40357647	A/G	0.130	0.130	-0.028	0.015	0.068	26.443
rs139721227	met-c-925	2	56873160	C/A	0.980	0.020	-0.033	0.037	0.378	20.274
rs41298344	met-c-925	20	62294045	C/A	0.963	0.037	-0.038	0.029	0.195	22.888
rs71441133	met-c-925	2	41355596	G/A	0.966	0.034	-0.041	0.029	0.164	23.953
rs78631379	met-c-925	8	65630877	A/G	0.971	0.029	-0.042	0.036	0.260	20.217
rs2628041	met-c-925	1	244439691	A/G	0.077	0.077	-0.042	0.021	0.043	21.990
rs360941	met-c-925	4	152855276	T/C	0.988	0.012	-0.071	0.063	0.271	19.819

rs62587113	met-c-925	9	130986184	C/T	0.987	0.013	-0.117	0.050	0.020	20.032
rs13107325	met-c-937	4	103188709	C/T	0.979	0.021	0.109	0.045	0.017	41.306
rs62182099	met-c-937	2	240184882	C/T	0.965	0.035	0.054	0.039	0.168	28.106
rs78679681	met-c-937	3	143292353	G/A	0.960	0.040	0.048	0.031	0.123	21.800
rs113677935	met-c-937	6	92765831	G/A	0.974	0.026	0.042	0.041	0.310	20.193
rs78631379	met-c-937	8	65630877	A/G	0.973	0.027	0.035	0.046	0.448	20.217
rs117568533	met-c-937	17	41317598	C/T	0.953	0.047	0.034	0.030	0.250	21.930
rs17149920	met-c-937	7	77837131	A/C	0.818	0.182	0.028	0.016	0.082	20.204
rs4667812	met-c-937	2	166254401	T/G	0.701	0.299	0.026	0.013	0.053	35.108
rs117451379	met-c-937	7	102389213	C/T	0.941	0.059	0.025	0.029	0.392	20.605
rs6981838	met-c-937	8	36820750	G/A	0.832	0.168	0.024	0.017	0.147	21.430
rs7586014	met-c-937	2	30089909	G/A	0.766	0.234	0.023	0.015	0.114	22.721
rs10514350	met-c-937	5	90903609	A/G	0.746	0.254	0.019	0.014	0.186	20.120
rs8044030	met-c-937	16	30927990	G/A	0.594	0.406	0.017	0.013	0.200	23.530
rs7613360	met-c-937	3	49916710	C/T	0.694	0.306	0.017	0.014	0.225	46.096
rs11762900	met-c-937	7	1265682	C/T	0.407	0.407	0.016	0.013	0.219	21.201
rs4239593	met-c-937	19	55876747	C/T	0.965	0.035	0.016	0.035	0.644	19.541
rs4852285	met-c-937	2	72446753	A/G	0.675	0.325	0.014	0.013	0.290	26.523
rs35187352	met-c-937	12	132697766	T/G	0.512	0.488	0.014	0.014	0.309	21.418
rs12370683	met-c-937	12	74580266	T/C	0.785	0.215	0.014	0.015	0.370	20.848
rs4681028	met-c-937	3	25628749	G/T	0.754	0.246	0.013	0.014	0.362	20.040
rs2824408	met-c-937	21	19011631	A/C	0.817	0.183	0.013	0.016	0.428	21.136
rs10828266	met-c-937	10	22098701	A/G	0.284	0.284	0.011	0.014	0.430	25.263
rs356194	met-c-937	4	90685798	A/G	0.409	0.409	0.011	0.014	0.443	26.014
rs7806045	met-c-937	7	132610266	T/C	0.726	0.274	0.010	0.014	0.450	30.606
rs7932035	met-c-937	11	39620131	A/G	0.203	0.203	0.010	0.015	0.500	36.324
rs4843613	met-c-937	16	87489698	T/C	0.166	0.166	0.010	0.016	0.561	23.731
rs74987819	met-c-937	22	49599953	G/T	0.899	0.101	0.008	0.021	0.698	21.338
rs2820311	met-c-937	1	201841476	A/G	0.684	0.316	0.008	0.013	0.545	22.310
rs4785216	met-c-937	16	50579394	T/C	0.697	0.303	0.008	0.014	0.580	20.320
rs997652	met-c-937	17	63914365	G/T	0.699	0.301	0.007	0.013	0.589	22.579
rs1548566	met-c-937	15	25755522	C/T	0.828	0.172	0.007	0.016	0.694	19.780
rs13084427	met-c-937	3	160434610	T/C	0.711	0.289	0.006	0.014	0.669	24.001

rs1557341	met-c-937	18	35127427	A/C	0.281	0.281	0.006	0.014	0.681	27.223
rs10129747	met-c-937	14	77433198	A/G	0.542	0.458	0.006	0.013	0.657	34.422
rs6491430	met-c-937	13	99178276	G/A	0.472	0.472	0.005	0.012	0.676	21.279
rs6676084	met-c-937	1	197094030	C/T	0.682	0.318	0.005	0.013	0.701	20.738
rs530688	met-c-937	11	78543856	T/C	0.572	0.428	0.004	0.012	0.774	23.760
rs1487446	met-c-937	6	98565212	C/T	0.491	0.491	0.003	0.012	0.785	73.277
rs6965619	met-c-937	7	12932728	A/C	0.251	0.251	0.003	0.014	0.854	24.746
rs71441133	met-c-937	2	41355596	G/A	0.966	0.034	0.002	0.035	0.957	23.953
rs11711620	met-c-937	3	114444572	A/C	0.866	0.134	0.001	0.018	0.938	23.329
rs16955848	met-c-937	18	50448235	C/T	0.951	0.049	0.001	0.029	0.965	19.980
rs12243061	met-c-937	10	78756815	T/C	0.634	0.366	-0.001	0.013	0.937	21.437
rs73093445	met-c-937	3	71542279	C/A	0.603	0.397	-0.001	0.012	0.906	36.001
rs34833142	met-c-937	18	21075938	A/G	0.525	0.475	-0.002	0.012	0.900	23.153
rs1826347	met-c-937	3	49671654	A/C	0.571	0.429	-0.003	0.013	0.835	21.623
rs514070	met-c-937	1	88718155	G/A	0.826	0.174	-0.003	0.016	0.860	20.039
rs2635727	met-c-937	6	50820940	T/C	0.256	0.256	-0.003	0.014	0.819	22.589
rs10756793	met-c-937	9	16726169	G/A	0.227	0.227	-0.003	0.015	0.820	26.884
rs329655	met-c-937	11	133850516	C/A	0.488	0.488	-0.003	0.013	0.794	21.552
rs3908820	met-c-937	1	101072470	A/G	0.909	0.091	-0.004	0.021	0.860	22.223
rs62167901	met-c-937	2	142271919	G/A	0.915	0.085	-0.004	0.022	0.842	28.715
rs12447542	met-c-937	16	7744180	G/A	0.871	0.129	-0.006	0.019	0.768	23.421
rs6868457	met-c-937	5	60550041	T/C	0.513	0.487	-0.006	0.012	0.644	22.316
rs363096	met-c-937	4	3180021	T/C	0.379	0.379	-0.006	0.013	0.643	32.386
rs2099740	met-c-937	1	112704129	T/C	0.484	0.484	-0.007	0.013	0.610	20.890
rs3943093	met-c-937	1	243458502	C/T	0.697	0.303	-0.008	0.013	0.533	25.244
rs2571009	met-c-937	18	44650279	A/G	0.537	0.463	-0.009	0.012	0.485	20.139
rs75838475	met-c-937	2	146177061	C/T	0.897	0.103	-0.009	0.021	0.684	19.664
rs7626945	met-c-937	3	82405757	T/C	0.858	0.142	-0.009	0.018	0.620	23.539
rs3757323	met-c-937	6	152202007	T/C	0.363	0.363	-0.009	0.013	0.478	21.261
rs17207890	met-c-937	11	95490754	G/A	0.744	0.256	-0.009	0.014	0.515	34.607
rs264343	met-c-937	5	139355252	C/T	0.764	0.236	-0.010	0.015	0.498	22.837
rs17824247	met-c-937	2	144152539	T/C	0.610	0.390	-0.011	0.012	0.363	30.205
rs574918	met-c-937	12	40357647	A/G	0.134	0.134	-0.011	0.018	0.530	26.443

rs4660303	met-c-937	1	40060473	G/A	0.782	0.218	-0.012	0.015	0.417	20.594
rs819571	met-c-937	5	72828213	C/T	0.857	0.143	-0.013	0.018	0.455	22.042
rs17596955	met-c-937	15	92556154	A/G	0.889	0.111	-0.016	0.019	0.413	19.368
rs2294567	met-c-937	20	40101389	A/G	0.736	0.264	-0.016	0.014	0.237	24.830
rs6103023	met-c-937	20	35589095	T/C	0.439	0.439	-0.017	0.012	0.177	19.629
rs6134143	met-c-937	20	1168774	T/C	0.724	0.276	-0.019	0.016	0.237	22.594
rs28489386	met-c-937	8	20974664	A/G	0.956	0.044	-0.019	0.030	0.526	20.883
rs8080518	met-c-937	17	45057481	T/C	0.677	0.323	-0.020	0.015	0.177	25.326
rs3858030	met-c-937	9	1788498	T/C	0.265	0.265	-0.021	0.014	0.132	22.386
rs73050916	met-c-937	19	48984060	A/G	0.626	0.374	-0.022	0.015	0.143	21.173
rs6600140	met-c-937	16	1446883	A/C	0.050	0.050	-0.023	0.029	0.427	19.381
rs997880	met-c-937	14	29848830	A/C	0.408	0.408	-0.024	0.013	0.059	24.180
rs56187641	met-c-937	5	50137152	A/G	0.854	0.146	-0.025	0.017	0.151	19.742
rs144783397	met-c-937	2	118141626	G/A	0.971	0.029	-0.026	0.037	0.479	21.243
rs6805280	met-c-937	3	153151706	T/C	0.189	0.189	-0.027	0.016	0.093	26.435
rs1990689	met-c-937	4	62918377	A/C	0.225	0.225	-0.027	0.015	0.071	20.409
rs3764002	met-c-937	12	108618630	C/T	0.674	0.326	-0.028	0.013	0.033	24.510
rs2121289	met-c-937	13	69734044	A/C	0.161	0.161	-0.030	0.017	0.074	22.013
rs71520517	met-c-937	8	144473554	G/A	0.839	0.161	-0.031	0.018	0.095	24.279
rs6824540	met-c-937	4	180895676	G/A	0.799	0.201	-0.036	0.016	0.022	20.862
rs34967803	met-c-937	7	71109777	A/G	0.964	0.036	-0.039	0.034	0.262	22.885
rs41298344	met-c-937	20	62294045	C/A	0.963	0.037	-0.042	0.035	0.226	22.888
rs2628041	met-c-937	1	244439691	A/G	0.081	0.081	-0.048	0.024	0.045	21.990
rs360941	met-c-937	4	152855276	T/C	0.990	0.010	-0.051	0.080	0.524	19.819
rs56128159	met-c-937	8	106336532	T/G	0.866	0.134	-0.054	0.018	0.003	19.730
rs139721227	met-c-937	2	56873160	C/A	0.980	0.020	-0.080	0.044	0.069	20.274
rs79774233	met-c-937	6	146035571	G/A	0.990	0.010	-0.095	0.066	0.152	22.804
rs62587113	met-c-937	9	130986184	C/T	0.987	0.013	-0.153	0.059	0.011	20.032
rs16955848	met-c-950	18	50448235	C/T	0.951	0.049	0.040	0.024	0.102	19.980
rs78679681	met-c-950	3	143292353	G/A	0.961	0.039	0.037	0.027	0.172	21.800
rs1548566	met-c-950	15	25755522	C/T	0.829	0.171	0.035	0.014	0.014	19.780
rs8044030	met-c-950	16	30927990	G/A	0.598	0.402	0.033	0.011	0.003	23.530
rs1557341	met-c-950	18	35127427	A/C	0.279	0.279	0.029	0.012	0.012	27.223

rs56128159	met-c-950	8	106336532	T/G	0.865	0.135	0.027	0.015	0.081	19.730
rs7932035	met-c-950	11	39620131	A/G	0.195	0.195	0.024	0.013	0.069	36.324
rs34967803	met-c-950	7	71109777	A/G	0.964	0.036	0.022	0.030	0.455	22.885
rs74987819	met-c-950	22	49599953	G/T	0.895	0.105	0.020	0.017	0.266	21.338
rs7806045	met-c-950	7	132610266	T/C	0.734	0.266	0.018	0.012	0.126	30.606
rs73093445	met-c-950	3	71542279	C/A	0.604	0.396	0.018	0.011	0.095	36.001
rs7586014	met-c-950	2	30089909	G/A	0.770	0.230	0.018	0.012	0.161	22.721
rs6134143	met-c-950	20	1168774	T/C	0.717	0.283	0.017	0.013	0.201	22.594
rs7613360	met-c-950	3	49916710	C/T	0.692	0.308	0.017	0.011	0.139	46.096
rs73050916	met-c-950	19	48984060	A/G	0.611	0.389	0.015	0.014	0.286	21.173
rs10514350	met-c-950	5	90903609	A/G	0.737	0.263	0.014	0.012	0.259	20.120
rs2294567	met-c-950	20	40101389	A/G	0.732	0.268	0.013	0.012	0.250	24.830
rs4852285	met-c-950	2	72446753	A/G	0.681	0.319	0.013	0.011	0.260	26.523
rs117451379	met-c-950	7	102389213	C/T	0.916	0.084	0.013	0.023	0.587	20.605
rs12370683	met-c-950	12	74580266	T/C	0.786	0.214	0.012	0.013	0.352	20.848
rs4681028	met-c-950	3	25628749	G/T	0.768	0.232	0.011	0.012	0.382	20.040
rs6676084	met-c-950	1	197094030	C/T	0.690	0.310	0.011	0.011	0.348	20.738
rs17596955	met-c-950	15	92556154	A/G	0.890	0.110	0.010	0.016	0.527	19.368
rs6805280	met-c-950	3	153151706	T/C	0.189	0.189	0.010	0.013	0.432	26.435
rs1826347	met-c-950	3	49671654	A/C	0.557	0.443	0.010	0.011	0.373	21.623
rs3943093	met-c-950	1	243458502	C/T	0.694	0.306	0.010	0.011	0.399	25.244
rs11711620	met-c-950	3	114444572	A/C	0.865	0.135	0.009	0.015	0.565	23.329
rs6965619	met-c-950	7	12932728	A/C	0.255	0.255	0.009	0.012	0.467	24.746
rs4667812	met-c-950	2	166254401	T/G	0.694	0.306	0.009	0.011	0.444	35.108
rs12447542	met-c-950	16	7744180	G/A	0.873	0.127	0.008	0.016	0.603	23.421
rs17207890	met-c-950	11	95490754	G/A	0.734	0.266	0.008	0.012	0.490	34.607
rs12243061	met-c-950	10	78756815	T/C	0.631	0.369	0.008	0.011	0.461	21.437
rs4239593	met-c-950	19	55876747	C/T	0.963	0.037	0.008	0.032	0.812	19.541
rs6981838	met-c-950	8	36820750	G/A	0.831	0.169	0.007	0.014	0.607	21.430
rs356194	met-c-950	4	90685798	A/G	0.416	0.416	0.007	0.012	0.549	26.014
rs10828266	met-c-950	10	22098701	A/G	0.282	0.282	0.007	0.012	0.557	25.263
rs71520517	met-c-950	8	144473554	G/A	0.832	0.168	0.007	0.015	0.653	24.279
rs10129747	met-c-950	14	77433198	A/G	0.548	0.452	0.007	0.011	0.524	34.422

rs264343	met-c-950	5	139355252	C/T	0.754	0.246	0.007	0.012	0.586	22.837
rs2820311	met-c-950	1	201841476	A/G	0.679	0.321	0.007	0.011	0.559	22.310
rs6491430	met-c-950	13	99178276	G/A	0.456	0.456	0.006	0.010	0.580	21.279
rs3764002	met-c-950	12	108618630	C/T	0.671	0.329	0.006	0.011	0.617	24.510
rs35187352	met-c-950	12	132697766	T/G	0.511	0.489	0.005	0.012	0.649	21.418
rs6103023	met-c-950	20	35589095	T/C	0.445	0.445	0.004	0.010	0.672	19.629
rs7626945	met-c-950	3	82405757	T/C	0.855	0.145	0.004	0.015	0.782	23.539
rs113677935	met-c-950	6	92765831	G/A	0.974	0.026	0.004	0.035	0.920	20.193
rs11762900	met-c-950	7	1265682	C/T	0.405	0.405	0.003	0.011	0.764	21.201
rs10756793	met-c-950	9	16726169	G/A	0.229	0.229	0.003	0.013	0.790	26.884
rs2571009	met-c-950	18	44650279	A/G	0.540	0.460	0.003	0.010	0.756	20.139
rs2099740	met-c-950	1	112704129	T/C	0.492	0.492	0.002	0.011	0.848	20.890
rs819571	met-c-950	5	72828213	C/T	0.852	0.148	0.002	0.015	0.901	22.042
rs71441133	met-c-950	2	41355596	G/A	0.965	0.035	0.001	0.029	0.980	23.953
rs17149920	met-c-950	7	77837131	A/C	0.817	0.183	0.001	0.014	0.964	20.204
rs62167901	met-c-950	2	142271919	G/A	0.907	0.093	0.000	0.018	0.978	28.715
rs139721227	met-c-950	2	56873160	C/A	0.980	0.020	0.000	0.038	0.996	20.274
rs997652	met-c-950	17	63914365	G/T	0.697	0.303	-0.001	0.011	0.960	22.579
rs3908820	met-c-950	1	101072470	A/G	0.909	0.091	-0.001	0.018	0.949	22.223
rs17824247	met-c-950	2	144152539	T/C	0.615	0.385	-0.002	0.011	0.875	30.205
rs34833142	met-c-950	18	21075938	A/G	0.525	0.475	-0.003	0.010	0.798	23.153
rs1487446	met-c-950	6	98565212	C/T	0.494	0.494	-0.003	0.010	0.771	73.277
rs514070	met-c-950	1	88718155	G/A	0.826	0.174	-0.004	0.014	0.780	20.039
rs13107325	met-c-950	4	103188709	C/T	0.966	0.034	-0.005	0.032	0.878	41.306
rs75838475	met-c-950	2	146177061	C/T	0.892	0.108	-0.005	0.018	0.757	19.664
rs3858030	met-c-950	9	1788498	T/C	0.273	0.273	-0.006	0.012	0.639	22.386
rs6824540	met-c-950	4	180895676	G/A	0.802	0.198	-0.006	0.013	0.656	20.862
rs363096	met-c-950	4	3180021	T/C	0.385	0.385	-0.007	0.011	0.539	32.386
rs4843613	met-c-950	16	87489698	T/C	0.165	0.165	-0.007	0.014	0.612	23.731
rs8080518	met-c-950	17	45057481	T/C	0.670	0.330	-0.007	0.012	0.553	25.326
rs997880	met-c-950	14	29848830	A/C	0.396	0.396	-0.008	0.011	0.430	24.180
rs6868457	met-c-950	5	60550041	T/C	0.517	0.483	-0.011	0.011	0.281	22.316
rs13084427	met-c-950	3	160434610	T/C	0.707	0.293	-0.012	0.011	0.276	24.001

rs2121289	met-c-950	13	69734044	A/C	0.156	0.156	-0.015	0.014	0.303	22.013
rs2824408	met-c-950	21	19011631	A/C	0.825	0.175	-0.015	0.014	0.267	21.136
rs329655	met-c-950	11	133850516	C/A	0.482	0.482	-0.016	0.011	0.139	21.552
rs79774233	met-c-950	6	146035571	G/A	0.990	0.010	-0.017	0.054	0.753	22.804
rs530688	met-c-950	11	78543856	T/C	0.567	0.433	-0.022	0.010	0.034	23.760
rs4660303	met-c-950	1	40060473	G/A	0.776	0.224	-0.023	0.012	0.069	20.594
rs4785216	met-c-950	16	50579394	T/C	0.690	0.310	-0.023	0.012	0.056	20.320
rs62182099	met-c-950	2	240184882	C/T	0.963	0.037	-0.024	0.032	0.449	28.106
rs56187641	met-c-950	5	50137152	A/G	0.857	0.143	-0.025	0.015	0.096	19.742
rs2635727	met-c-950	6	50820940	T/C	0.246	0.246	-0.025	0.012	0.036	22.589
rs3757323	met-c-950	6	152202007	T/C	0.352	0.352	-0.026	0.011	0.019	21.261
rs6600140	met-c-950	16	1446883	A/C	0.053	0.053	-0.031	0.024	0.197	19.381
rs41298344	met-c-950	20	62294045	C/A	0.963	0.037	-0.032	0.029	0.270	22.888
rs144783397	met-c-950	2	118141626	G/A	0.967	0.033	-0.035	0.029	0.233	21.243
rs78631379	met-c-950	8	65630877	A/G	0.970	0.030	-0.035	0.036	0.338	20.217
rs360941	met-c-950	4	152855276	T/C	0.988	0.012	-0.036	0.064	0.576	19.819
rs62587113	met-c-950	9	130986184	C/T	0.987	0.013	-0.042	0.051	0.420	20.032
rs574918	met-c-950	12	40357647	A/G	0.130	0.130	-0.044	0.015	0.005	26.443
rs28489386	met-c-950	8	20974664	A/G	0.957	0.043	-0.048	0.026	0.063	20.883
rs2628041	met-c-950	1	244439691	A/G	0.076	0.076	-0.050	0.021	0.018	21.990
rs117568533	met-c-950	17	41317598	C/T	0.957	0.043	-0.069	0.026	0.009	21.930

Lamb or mutton consumption

rs142036050	Hydroxybutyrylcarnitine	14	33729481	T/C	0.017	0.017	0.120	0.062	0.052	23.457
rs142325173	Hydroxybutyrylcarnitine	12	18822872	G/A	0.019	0.019	0.089	0.054	0.099	21.598
rs141934869	Hydroxybutyrylcarnitine	8	27775477	G/T	0.012	0.012	0.066	0.069	0.344	24.322
rs9590216	Hydroxybutyrylcarnitine	13	95905305	T/C	0.146	0.146	0.055	0.021	0.010	20.505
rs2222760	Hydroxybutyrylcarnitine	2	151345113	G/A	0.277	0.277	0.047	0.017	0.005	36.656
rs34121855	Hydroxybutyrylcarnitine	7	73040814	T/G	0.196	0.196	0.046	0.019	0.012	38.189
rs376286858	Hydroxybutyrylcarnitine	5	46341390	A/C	0.094	0.094	0.039	0.027	0.157	22.959
rs11633261	Hydroxybutyrylcarnitine	15	25251310	G/T	0.459	0.459	0.035	0.015	0.018	22.266
rs12232839	Hydroxybutyrylcarnitine	19	34090242	T/G	0.896	0.104	0.028	0.024	0.232	21.229
rs2726033	Hydroxybutyrylcarnitine	16	28338039	A/G	0.422	0.422	0.028	0.015	0.060	37.449
rs2174239	Hydroxybutyrylcarnitine	14	93885496	T/C	0.868	0.133	0.027	0.022	0.214	21.143

rs13002164	Hydroxybutyrylcarnitine	2	56680788	C/T	0.059	0.059	0.026	0.032	0.407	22.241
rs62266239	Hydroxybutyrylcarnitine	3	116750431	C/T	0.140	0.140	0.025	0.021	0.233	31.621
rs2938609	Hydroxybutyrylcarnitine	6	39700434	G/A	0.414	0.414	0.025	0.015	0.093	21.363
rs2568712	Hydroxybutyrylcarnitine	11	91407305	T/G	0.581	0.420	0.021	0.015	0.154	26.788
rs12996547	Hydroxybutyrylcarnitine	2	602036	C/T	0.352	0.352	0.020	0.016	0.201	21.351
rs673696	Hydroxybutyrylcarnitine	11	31097262	C/T	0.082	0.082	0.020	0.027	0.456	31.739
rs9297663	Hydroxybutyrylcarnitine	8	123728686	A/G	0.169	0.169	0.020	0.020	0.321	20.544
rs3964074	Hydroxybutyrylcarnitine	16	74166991	T/C	0.536	0.465	0.018	0.015	0.225	32.094
rs3810818	Hydroxybutyrylcarnitine	16	4432029	A/C	0.765	0.235	0.018	0.017	0.307	26.319
rs77431173	Hydroxybutyrylcarnitine	7	14742864	T/C	0.029	0.029	0.017	0.045	0.711	27.146
rs200768290	Hydroxybutyrylcarnitine	4	106215109	C/T	0.411	0.411	0.016	0.016	0.305	28.926
rs795437	Hydroxybutyrylcarnitine	3	30804170	T/C	0.458	0.458	0.016	0.015	0.295	20.054
rs10276580	Hydroxybutyrylcarnitine	7	11772539	T/G	0.727	0.274	0.015	0.016	0.348	23.545
rs1958801	Hydroxybutyrylcarnitine	14	98872110	A/G	0.274	0.274	0.015	0.016	0.370	27.583
rs17547360	Hydroxybutyrylcarnitine	12	30169738	T/C	0.247	0.247	0.013	0.017	0.435	19.871
rs11743441	Hydroxybutyrylcarnitine	5	88065637	G/T	0.578	0.422	0.013	0.015	0.390	29.279
rs12658015	Hydroxybutyrylcarnitine	5	164493306	A/G	0.643	0.357	0.013	0.015	0.412	36.443
rs6897617	Hydroxybutyrylcarnitine	5	173301982	G/A	0.288	0.288	0.012	0.016	0.445	22.000
rs61836106	Hydroxybutyrylcarnitine	10	2639003	G/A	0.104	0.104	0.012	0.024	0.633	27.000
rs11772832	Hydroxybutyrylcarnitine	7	135073047	T/C	0.402	0.402	0.011	0.015	0.456	26.000
rs963778	Hydroxybutyrylcarnitine	14	27009199	A/C	0.244	0.244	0.011	0.017	0.516	20.608
rs7204652	Hydroxybutyrylcarnitine	16	5675613	T/C	0.195	0.195	0.011	0.019	0.561	38.707
rs141407174	Hydroxybutyrylcarnitine	7	103178027	C/T	0.017	0.017	0.009	0.059	0.873	22.580
rs61995216	Hydroxybutyrylcarnitine	14	80103620	A/G	0.055	0.055	0.009	0.033	0.788	23.252
rs34722489	Hydroxybutyrylcarnitine	5	127856954	C/A	0.243	0.243	0.008	0.017	0.640	19.340
rs72759867	Hydroxybutyrylcarnitine	1	243578188	T/C	0.104	0.104	0.008	0.024	0.744	27.249
rs9653713	Hydroxybutyrylcarnitine	21	35219643	C/A	0.010	0.010	0.008	0.082	0.925	20.099
rs72973055	Hydroxybutyrylcarnitine	19	3353494	G/A	0.204	0.204	0.007	0.019	0.693	28.515
rs1698114	Hydroxybutyrylcarnitine	19	49259854	A/G	0.491	0.491	0.007	0.016	0.661	33.296
rs11100930	Hydroxybutyrylcarnitine	4	147591808	G/A	0.872	0.128	0.007	0.022	0.760	27.384
rs35783535	Hydroxybutyrylcarnitine	2	98623227	G/A	0.381	0.381	0.007	0.015	0.660	20.573
rs2426605	Hydroxybutyrylcarnitine	20	54869080	A/C	0.339	0.339	0.007	0.016	0.675	21.951
rs11023757	Hydroxybutyrylcarnitine	11	15902219	T/C	0.254	0.254	0.006	0.017	0.701	20.241

rs1193333	Hydroxybutyrylcarnitine	7	127609301	A/G	0.640	0.360	0.006	0.015	0.688	29.915
rs4486004	Hydroxybutyrylcarnitine	6	26167710	G/T	0.231	0.231	0.006	0.017	0.741	22.893
rs276447	Hydroxybutyrylcarnitine	9	15581302	C/T	0.480	0.480	0.006	0.015	0.702	77.627
rs56389750	Hydroxybutyrylcarnitine	3	62399917	C/T	0.271	0.271	0.005	0.017	0.757	31.074
rs660880	Hydroxybutyrylcarnitine	1	6866978	G/A	0.514	0.486	0.003	0.015	0.848	42.910
rs16926787	Hydroxybutyrylcarnitine	9	126506289	G/T	0.081	0.081	0.003	0.027	0.920	21.298
rs2096352	Hydroxybutyrylcarnitine	10	92439106	T/G	0.418	0.418	0.003	0.015	0.861	22.192
rs62469212	Hydroxybutyrylcarnitine	7	113934926	C/A	0.467	0.467	0.002	0.016	0.878	20.048
rs12051465	Hydroxybutyrylcarnitine	16	49551403	G/T	0.231	0.231	0.002	0.018	0.904	21.281
rs6829572	Hydroxybutyrylcarnitine	4	93984155	G/A	0.465	0.465	0.002	0.015	0.894	31.349
rs13147920	Hydroxybutyrylcarnitine	4	181245804	C/T	0.390	0.390	0.002	0.015	0.898	23.379
rs2028935	Hydroxybutyrylcarnitine	5	19607413	A/C	0.481	0.481	0.001	0.015	0.937	21.883
rs9372122	Hydroxybutyrylcarnitine	6	106742454	G/A	0.437	0.437	0.001	0.015	0.936	20.350
rs62107261	Hydroxybutyrylcarnitine	2	422144	T/C	0.051	0.051	0.001	0.034	0.989	31.903
rs12588402	Hydroxybutyrylcarnitine	14	29738282	A/G	0.577	0.423	0.000	0.015	1.000	22.932
rs62266118	Hydroxybutyrylcarnitine	3	115124821	A/G	0.195	0.195	-0.001	0.019	0.973	20.670
rs62398404	Hydroxybutyrylcarnitine	6	37669616	C/T	0.127	0.127	-0.001	0.022	0.977	26.526
rs6889815	Hydroxybutyrylcarnitine	5	25302404	A/C	0.124	0.124	-0.001	0.022	0.969	19.465
rs9936121	Hydroxybutyrylcarnitine	16	76123518	T/G	0.316	0.316	-0.001	0.016	0.948	24.111
rs4936119	Hydroxybutyrylcarnitine	11	112486568	C/A	0.265	0.265	-0.001	0.017	0.948	26.834
rs12494242	Hydroxybutyrylcarnitine	3	85413180	T/C	0.319	0.319	-0.002	0.016	0.920	19.701
rs7812804	Hydroxybutyrylcarnitine	8	59791586	C/T	0.240	0.240	-0.002	0.018	0.897	20.685
rs6845321	Hydroxybutyrylcarnitine	4	113595869	C/T	0.306	0.306	-0.003	0.016	0.855	19.870
rs1370239	Hydroxybutyrylcarnitine	16	64291189	A/G	0.566	0.434	-0.004	0.015	0.774	24.957
rs79752907	Hydroxybutyrylcarnitine	2	237010723	C/T	0.442	0.442	-0.004	0.017	0.806	19.952
rs17203687	Hydroxybutyrylcarnitine	3	127684748	C/T	0.093	0.093	-0.005	0.025	0.852	20.586
rs429358	Hydroxybutyrylcarnitine	19	45411941	T/C	0.147	0.147	-0.005	0.021	0.817	48.360
rs17107024	Hydroxybutyrylcarnitine	14	69961658	T/C	0.133	0.133	-0.006	0.022	0.783	23.746
rs114210747	Hydroxybutyrylcarnitine	5	144214142	C/T	0.081	0.081	-0.006	0.027	0.816	27.954
rs11587743	Hydroxybutyrylcarnitine	1	91332883	A/C	0.436	0.436	-0.006	0.016	0.694	23.675
rs8073904	Hydroxybutyrylcarnitine	17	79095144	G/A	0.859	0.141	-0.006	0.023	0.781	24.538
rs2490323	Hydroxybutyrylcarnitine	1	65985736	C/T	0.181	0.181	-0.007	0.019	0.709	20.871
rs77437455	Hydroxybutyrylcarnitine	3	174900715	A/G	0.048	0.048	-0.007	0.038	0.847	19.823

rs9868223	Hydroxybutyrylcarnitine	3	81724327	C/T	0.178	0.178	-0.008	0.019	0.691	27.510
rs7015	Hydroxybutyrylcarnitine	7	97920623	A/G	0.809	0.191	-0.008	0.019	0.676	20.665
rs62169335	Hydroxybutyrylcarnitine	2	147946069	C/T	0.547	0.453	-0.009	0.015	0.531	29.062
rs74629965	Hydroxybutyrylcarnitine	6	51185853	T/G	0.071	0.071	-0.010	0.029	0.736	28.841
rs138067	Hydroxybutyrylcarnitine	22	44227556	A/G	0.428	0.428	-0.010	0.015	0.507	22.798
rs1504708	Hydroxybutyrylcarnitine	11	99252012	A/G	0.481	0.481	-0.010	0.015	0.497	20.060
rs375925212	Hydroxybutyrylcarnitine	2	239484652	T/C	0.114	0.114	-0.010	0.026	0.701	20.074
rs6960970	Hydroxybutyrylcarnitine	7	14207740	T/C	0.803	0.197	-0.012	0.020	0.552	20.913
rs3000677	Hydroxybutyrylcarnitine	13	21298026	G/A	0.840	0.160	-0.012	0.020	0.561	20.978
rs150236091	Hydroxybutyrylcarnitine	13	55937827	A/G	0.725	0.275	-0.012	0.017	0.481	48.553
rs79644827	Hydroxybutyrylcarnitine	8	84739529	G/A	0.017	0.017	-0.012	0.058	0.831	23.578
rs12154057	Hydroxybutyrylcarnitine	6	161867419	A/C	0.390	0.390	-0.013	0.016	0.419	22.525
rs2678900	Hydroxybutyrylcarnitine	2	58177683	T/G	0.428	0.428	-0.013	0.015	0.390	51.716
rs7628382	Hydroxybutyrylcarnitine	3	70641810	A/G	0.443	0.443	-0.013	0.015	0.375	22.690
rs224064	Hydroxybutyrylcarnitine	10	64504212	T/C	0.596	0.404	-0.013	0.015	0.376	24.795
rs28742222	Hydroxybutyrylcarnitine	7	40176752	G/T	0.420	0.420	-0.014	0.015	0.352	22.104
rs10500285	Hydroxybutyrylcarnitine	19	42672760	C/T	0.117	0.117	-0.015	0.023	0.512	21.620
rs136548	Hydroxybutyrylcarnitine	22	27253353	C/T	0.375	0.375	-0.015	0.015	0.313	33.768
rs75210106	Hydroxybutyrylcarnitine	2	113246436	C/T	0.172	0.172	-0.015	0.020	0.433	20.244
rs78351874	Hydroxybutyrylcarnitine	2	200472560	C/T	0.095	0.095	-0.016	0.026	0.524	26.625
rs11231296	Hydroxybutyrylcarnitine	11	62758580	T/C	0.218	0.218	-0.017	0.018	0.353	22.290
rs7199285	Hydroxybutyrylcarnitine	16	19980931	C/T	0.183	0.183	-0.017	0.020	0.378	22.392
rs114244865	Hydroxybutyrylcarnitine	4	129967492	C/T	0.027	0.027	-0.018	0.047	0.701	27.605
rs2439945	Hydroxybutyrylcarnitine	17	5124462	C/T	0.195	0.195	-0.018	0.019	0.338	22.216
rs9317624	Hydroxybutyrylcarnitine	13	67506934	C/A	0.440	0.440	-0.019	0.016	0.232	27.770
rs4742644	Hydroxybutyrylcarnitine	9	9959413	T/C	0.251	0.251	-0.020	0.017	0.244	22.777
rs13262595	Hydroxybutyrylcarnitine	8	143316970	A/G	0.554	0.446	-0.020	0.015	0.177	36.221
rs742359	Hydroxybutyrylcarnitine	1	1715011	C/A	0.268	0.268	-0.021	0.017	0.209	22.904
rs57318525	Hydroxybutyrylcarnitine	6	104614058	A/C	0.435	0.435	-0.023	0.015	0.124	21.548
rs12355804	Hydroxybutyrylcarnitine	10	3535854	C/T	0.072	0.072	-0.023	0.029	0.413	24.055
rs17573452	Hydroxybutyrylcarnitine	12	60224839	C/T	0.190	0.190	-0.025	0.019	0.174	27.214
rs11039028	Hydroxybutyrylcarnitine	11	46944196	G/A	0.233	0.233	-0.025	0.017	0.145	23.725
rs3909727	Hydroxybutyrylcarnitine	11	126587382	A/G	0.832	0.168	-0.026	0.019	0.183	36.536

rs9464192	Hydroxybutyrylcarnitine	6	54987759	C/T	0.573	0.427	-0.026	0.015	0.079	27.538
rs11090045	Hydroxybutyrylcarnitine	22	41753603	G/A	0.296	0.296	-0.026	0.016	0.111	39.113
rs76218094	Hydroxybutyrylcarnitine	2	176215906	A/G	0.092	0.092	-0.026	0.026	0.308	25.687
rs2643174	Hydroxybutyrylcarnitine	3	164393607	G/A	0.155	0.155	-0.028	0.020	0.174	19.612
rs9829222	Hydroxybutyrylcarnitine	3	175671153	C/T	0.238	0.238	-0.029	0.018	0.101	30.981
rs72952553	Hydroxybutyrylcarnitine	2	217481516	G/A	0.302	0.302	-0.030	0.017	0.080	21.726
rs1967840	Hydroxybutyrylcarnitine	10	112026082	A/G	0.184	0.184	-0.031	0.019	0.102	23.049
rs4837943	Hydroxybutyrylcarnitine	9	124882085	C/T	0.209	0.209	-0.031	0.019	0.093	19.908
rs77529617	Hydroxybutyrylcarnitine	17	16502271	C/T	0.115	0.115	-0.031	0.023	0.175	31.223
rs942038	Hydroxybutyrylcarnitine	13	112682875	A/G	0.696	0.304	-0.033	0.016	0.041	21.212
rs10753761	Hydroxybutyrylcarnitine	1	167584973	A/G	0.816	0.184	-0.033	0.020	0.089	20.338
rs7208329	Hydroxybutyrylcarnitine	17	33128801	C/T	0.026	0.026	-0.034	0.049	0.485	21.783
rs1711171	Hydroxybutyrylcarnitine	3	136020541	T/C	0.756	0.244	-0.036	0.017	0.036	31.945
rs190489703	Hydroxybutyrylcarnitine	12	53745262	A/G	0.011	0.011	-0.039	0.074	0.603	20.399
rs1458820	Hydroxybutyrylcarnitine	4	55990353	G/A	0.937	0.063	-0.041	0.030	0.175	24.169
rs114114265	Hydroxybutyrylcarnitine	2	79806712	G/A	0.050	0.050	-0.042	0.034	0.212	19.609
rs184406487	Hydroxybutyrylcarnitine	1	198791227	C/T	0.028	0.028	-0.045	0.045	0.316	20.179
rs28533070	Hydroxybutyrylcarnitine	15	97177443	G/A	0.100	0.100	-0.047	0.025	0.058	31.584
rs12643496	Hydroxybutyrylcarnitine	4	172492327	G/A	0.858	0.143	-0.048	0.021	0.023	23.522
rs78621251	Hydroxybutyrylcarnitine	18	63348042	A/G	0.034	0.034	-0.061	0.041	0.139	28.508
rs74697766	Hydroxybutyrylcarnitine	4	105732919	T/C	0.082	0.082	-0.065	0.027	0.016	19.820
rs111299612	Hydroxybutyrylcarnitine	18	25461937	G/A	0.034	0.034	-0.067	0.048	0.159	20.795
rs78621251	PC aa C24:0	18	63348042	A/G	0.034	0.034	0.101	0.041	0.015	28.508
rs9653713	PC aa C24:0	21	35219643	C/A	0.010	0.010	0.087	0.083	0.292	20.099
rs429358	PC aa C24:0	19	45411941	T/C	0.147	0.147	0.060	0.021	0.005	48.360
rs12355804	PC aa C24:0	10	3535854	C/T	0.072	0.072	0.039	0.029	0.173	24.055
rs141934869	PC aa C24:0	8	27775477	G/T	0.012	0.012	0.034	0.070	0.623	24.322
rs35783535	PC aa C24:0	2	98623227	G/A	0.381	0.381	0.032	0.015	0.036	20.573
rs79644827	PC aa C24:0	8	84739529	G/A	0.017	0.017	0.032	0.058	0.586	23.578
rs28742222	PC aa C24:0	7	40176752	G/T	0.420	0.420	0.031	0.015	0.037	22.104
rs61836106	PC aa C24:0	10	2639003	G/A	0.104	0.104	0.031	0.025	0.207	27.000
rs1958801	PC aa C24:0	14	98872110	A/G	0.274	0.274	0.030	0.017	0.071	27.583
rs673696	PC aa C24:0	11	31097262	C/T	0.082	0.082	0.029	0.027	0.282	31.739

rs2490323	PC aa C24:0	1	65985736	C/T	0.181	0.181	0.028	0.019	0.137	20.871
rs114244865	PC aa C24:0	4	129967492	C/T	0.027	0.027	0.028	0.048	0.562	27.605
rs111299612	PC aa C24:0	18	25461937	G/A	0.034	0.034	0.027	0.048	0.575	20.795
rs7204652	PC aa C24:0	16	5675613	T/C	0.195	0.195	0.025	0.019	0.178	38.707
rs1504708	PC aa C24:0	11	99252012	A/G	0.481	0.481	0.025	0.015	0.095	20.060
rs62266118	PC aa C24:0	3	115124821	A/G	0.195	0.195	0.023	0.019	0.220	20.670
rs2439945	PC aa C24:0	17	5124462	C/T	0.195	0.195	0.023	0.019	0.238	22.216
rs1193333	PC aa C24:0	7	127609301	A/G	0.640	0.360	0.022	0.015	0.157	29.915
rs61995216	PC aa C24:0	14	80103620	A/G	0.055	0.055	0.021	0.033	0.514	23.252
rs72973055	PC aa C24:0	19	3353494	G/A	0.204	0.204	0.021	0.019	0.258	28.515
rs10500285	PC aa C24:0	19	42672760	C/T	0.117	0.117	0.021	0.023	0.357	21.620
rs62398404	PC aa C24:0	6	37669616	C/T	0.127	0.127	0.021	0.022	0.341	26.526
rs2426605	PC aa C24:0	20	54869080	A/C	0.339	0.339	0.019	0.016	0.216	21.951
rs12232839	PC aa C24:0	19	34090242	T/G	0.896	0.104	0.019	0.024	0.423	21.229
rs7812804	PC aa C24:0	8	59791586	C/T	0.240	0.240	0.017	0.018	0.356	20.685
rs2938609	PC aa C24:0	6	39700434	G/A	0.414	0.414	0.017	0.015	0.264	21.363
rs6845321	PC aa C24:0	4	113595869	C/T	0.306	0.306	0.016	0.016	0.333	19.870
rs10753761	PC aa C24:0	1	167584973	A/G	0.816	0.184	0.016	0.020	0.433	20.338
rs2028935	PC aa C24:0	5	19607413	A/C	0.481	0.481	0.013	0.015	0.372	21.883
rs3964074	PC aa C24:0	16	74166991	T/C	0.535	0.465	0.013	0.015	0.378	32.094
rs7199285	PC aa C24:0	16	19980931	C/T	0.183	0.183	0.012	0.020	0.546	22.392
rs742359	PC aa C24:0	1	1715011	C/A	0.268	0.268	0.012	0.017	0.486	22.904
rs1370239	PC aa C24:0	16	64291189	A/G	0.566	0.434	0.011	0.015	0.451	24.957
rs9317624	PC aa C24:0	13	67506934	C/A	0.440	0.440	0.011	0.016	0.474	27.770
rs136548	PC aa C24:0	22	27253353	C/T	0.375	0.375	0.011	0.015	0.469	33.768
rs9590216	PC aa C24:0	13	95905305	T/C	0.146	0.146	0.010	0.021	0.627	20.505
rs375925212	PC aa C24:0	2	239484652	T/C	0.114	0.114	0.010	0.027	0.710	20.074
rs6889815	PC aa C24:0	5	25302404	A/C	0.124	0.124	0.009	0.023	0.688	19.465
rs9297663	PC aa C24:0	8	123728686	A/G	0.169	0.169	0.009	0.020	0.650	20.544
rs3909727	PC aa C24:0	11	126587382	A/G	0.832	0.168	0.009	0.019	0.654	36.536
rs4742644	PC aa C24:0	9	9959413	T/C	0.251	0.251	0.009	0.017	0.605	22.777
rs17573452	PC aa C24:0	12	60224839	C/T	0.190	0.190	0.008	0.019	0.655	27.214
rs660880	PC aa C24:0	1	6866978	G/A	0.514	0.486	0.008	0.015	0.573	42.910

rs12996547	PC aa C24:0	2	602036	C/T	0.352	0.352	0.008	0.016	0.625	21.351
rs12658015	PC aa C24:0	5	164493306	A/G	0.643	0.357	0.006	0.016	0.693	36.443
rs141407174	PC aa C24:0	7	103178027	C/T	0.017	0.017	0.006	0.059	0.922	22.580
rs2643174	PC aa C24:0	3	164393607	G/A	0.155	0.155	0.005	0.020	0.797	19.612
rs11743441	PC aa C24:0	5	88065637	G/T	0.578	0.422	0.005	0.015	0.735	29.279
rs62169335	PC aa C24:0	2	147946069	C/T	0.547	0.453	0.005	0.015	0.746	29.062
rs963778	PC aa C24:0	14	27009199	A/C	0.244	0.244	0.005	0.017	0.774	20.608
rs12154057	PC aa C24:0	6	161867419	A/C	0.390	0.390	0.005	0.016	0.773	22.525
rs11100930	PC aa C24:0	4	147591808	G/A	0.872	0.128	0.004	0.022	0.855	27.384
rs56389750	PC aa C24:0	3	62399917	C/T	0.271	0.271	0.004	0.017	0.816	31.074
rs795437	PC aa C24:0	3	30804170	T/C	0.458	0.458	0.004	0.015	0.806	20.054
rs224064	PC aa C24:0	10	64504212	T/C	0.596	0.404	0.004	0.015	0.813	24.795
rs12494242	PC aa C24:0	3	85413180	T/C	0.319	0.319	0.003	0.016	0.855	19.701
rs11039028	PC aa C24:0	11	46944196	G/A	0.233	0.233	0.002	0.017	0.898	23.725
rs75210106	PC aa C24:0	2	113246436	C/T	0.172	0.172	0.002	0.020	0.912	20.244
rs79752907	PC aa C24:0	2	237010723	C/T	0.442	0.442	0.002	0.018	0.903	19.952
rs2096352	PC aa C24:0	10	92439106	T/G	0.418	0.418	0.002	0.015	0.893	22.192
rs150236091	PC aa C24:0	13	55937827	A/G	0.725	0.275	0.002	0.018	0.927	48.553
rs2568712	PC aa C24:0	11	91407305	T/G	0.581	0.419	0.001	0.015	0.923	26.788
rs17203687	PC aa C24:0	3	127684748	C/T	0.093	0.093	0.001	0.026	0.982	20.586
rs142325173	PC aa C24:0	12	18822872	G/A	0.019	0.019	0.000	0.055	1.000	21.598
rs942038	PC aa C24:0	13	112682875	A/G	0.696	0.304	0.000	0.016	0.997	21.212
rs8073904	PC aa C24:0	17	79095144	G/A	0.859	0.141	-0.002	0.023	0.946	24.538
rs13262595	PC aa C24:0	8	143316970	A/G	0.554	0.446	-0.002	0.015	0.897	36.221
rs376286858	PC aa C24:0	5	46341390	A/C	0.094	0.094	-0.002	0.028	0.937	22.959
rs10276580	PC aa C24:0	7	11772539	T/G	0.727	0.274	-0.004	0.016	0.810	23.545
rs4486004	PC aa C24:0	6	26167710	G/T	0.231	0.231	-0.005	0.017	0.789	22.893
rs184406487	PC aa C24:0	1	198791227	C/T	0.028	0.028	-0.005	0.046	0.906	20.179
rs12588402	PC aa C24:0	14	29738282	A/G	0.577	0.423	-0.006	0.015	0.717	22.932
rs34121855	PC aa C24:0	7	73040814	T/G	0.196	0.196	-0.006	0.019	0.758	38.189
rs6960970	PC aa C24:0	7	14207740	T/C	0.803	0.197	-0.006	0.020	0.770	20.913
rs2222760	PC aa C24:0	2	151345113	G/A	0.277	0.277	-0.006	0.017	0.701	36.656
rs2726033	PC aa C24:0	16	28338039	A/G	0.422	0.422	-0.007	0.015	0.656	37.449

rs13147920	PC aa C24:0	4	181245804	C/T	0.390	0.390	-0.007	0.015	0.646	23.379
rs138067	PC aa C24:0	22	44227556	A/G	0.428	0.428	-0.007	0.015	0.634	22.798
rs2174239	PC aa C24:0	14	93885496	T/C	0.867	0.133	-0.007	0.022	0.743	21.143
rs1967840	PC aa C24:0	10	112026082	A/G	0.184	0.184	-0.008	0.019	0.686	23.049
rs12051465	PC aa C24:0	16	49551403	G/T	0.231	0.231	-0.009	0.018	0.630	21.281
rs11633261	PC aa C24:0	15	25251310	G/T	0.459	0.459	-0.009	0.015	0.548	22.266
rs9829222	PC aa C24:0	3	175671153	C/T	0.238	0.238	-0.009	0.018	0.610	30.981
rs9372122	PC aa C24:0	6	106742454	G/A	0.437	0.437	-0.009	0.015	0.530	20.350
rs72952553	PC aa C24:0	2	217481516	G/A	0.302	0.302	-0.010	0.017	0.572	21.726
rs9868223	PC aa C24:0	3	81724327	C/T	0.179	0.179	-0.010	0.019	0.612	27.510
rs74629965	PC aa C24:0	6	51185853	T/G	0.071	0.071	-0.010	0.029	0.734	28.841
rs17547360	PC aa C24:0	12	30169738	T/C	0.247	0.247	-0.010	0.017	0.547	19.871
rs57318525	PC aa C24:0	6	104614058	A/C	0.435	0.435	-0.010	0.015	0.498	21.548
rs11587743	PC aa C24:0	1	91332883	A/C	0.436	0.436	-0.011	0.016	0.489	23.675
rs7628382	PC aa C24:0	3	70641810	A/G	0.443	0.443	-0.011	0.015	0.445	22.690
rs9464192	PC aa C24:0	6	54987759	C/T	0.573	0.427	-0.012	0.015	0.430	27.538
rs17107024	PC aa C24:0	14	69961658	T/C	0.133	0.133	-0.012	0.022	0.578	23.746
rs6829572	PC aa C24:0	4	93984155	G/A	0.465	0.465	-0.012	0.015	0.418	31.349
rs34722489	PC aa C24:0	5	127856954	C/A	0.243	0.243	-0.014	0.017	0.415	19.340
rs9936121	PC aa C24:0	16	76123518	T/G	0.316	0.316	-0.015	0.016	0.360	24.111
rs1458820	PC aa C24:0	4	55990353	G/A	0.937	0.063	-0.016	0.031	0.599	24.169
rs11231296	PC aa C24:0	11	62758580	T/C	0.218	0.218	-0.016	0.018	0.363	22.290
rs200768290	PC aa C24:0	4	106215109	C/T	0.411	0.411	-0.017	0.016	0.294	28.926
rs13002164	PC aa C24:0	2	56680788	C/T	0.059	0.059	-0.017	0.032	0.594	22.241
rs3810818	PC aa C24:0	16	4432029	A/C	0.765	0.235	-0.017	0.017	0.321	26.319
rs7208329	PC aa C24:0	17	33128801	C/T	0.026	0.026	-0.018	0.049	0.718	21.783
rs7015	PC aa C24:0	7	97920623	A/G	0.809	0.191	-0.018	0.019	0.337	20.665
rs2678900	PC aa C24:0	2	58177683	T/G	0.428	0.428	-0.019	0.015	0.200	51.716
rs11090045	PC aa C24:0	22	41753603	G/A	0.296	0.296	-0.020	0.017	0.237	39.113
rs1698114	PC aa C24:0	19	49259854	A/G	0.491	0.491	-0.021	0.016	0.198	33.296
rs77437455	PC aa C24:0	3	174900715	A/G	0.048	0.048	-0.021	0.038	0.580	19.823
rs16926787	PC aa C24:0	9	126506289	G/T	0.081	0.081	-0.021	0.027	0.430	21.298
rs1711171	PC aa C24:0	3	136020541	T/C	0.756	0.244	-0.022	0.017	0.209	31.945

rs114210747	PC aa C24:0	5	144214142	C/T	0.081	0.081	-0.022	0.027	0.420	27.954
rs76218094	PC aa C24:0	2	176215906	A/G	0.092	0.092	-0.024	0.026	0.363	25.687
rs4936119	PC aa C24:0	11	112486568	C/A	0.264	0.264	-0.025	0.017	0.142	26.834
rs4837943	PC aa C24:0	9	124882085	C/T	0.209	0.209	-0.026	0.019	0.168	19.908
rs11772832	PC aa C24:0	7	135073047	T/C	0.402	0.402	-0.027	0.015	0.073	26.000
rs77529617	PC aa C24:0	17	16502271	C/T	0.115	0.115	-0.028	0.023	0.226	31.223
rs3000677	PC aa C24:0	13	21298026	G/A	0.840	0.160	-0.028	0.020	0.161	20.978
rs12643496	PC aa C24:0	4	172492327	G/A	0.858	0.143	-0.031	0.021	0.153	23.522
rs11023757	PC aa C24:0	11	15902219	T/C	0.254	0.254	-0.031	0.017	0.064	20.241
rs62469212	PC aa C24:0	7	113934926	C/A	0.467	0.467	-0.031	0.016	0.045	20.048
rs74697766	PC aa C24:0	4	105732919	T/C	0.082	0.082	-0.032	0.027	0.248	19.820
rs114114265	PC aa C24:0	2	79806712	G/A	0.050	0.050	-0.032	0.034	0.341	19.609
rs6897617	PC aa C24:0	5	173301982	G/A	0.288	0.288	-0.033	0.016	0.042	22.000
rs62107261	PC aa C24:0	2	422144	T/C	0.051	0.051	-0.033	0.035	0.335	31.903
rs276447	PC aa C24:0	9	15581302	C/T	0.480	0.480	-0.036	0.015	0.016	77.627
rs62266239	PC aa C24:0	3	116750431	C/T	0.140	0.140	-0.036	0.022	0.092	31.621
rs72759867	PC aa C24:0	1	243578188	T/C	0.104	0.104	-0.037	0.024	0.132	27.249
rs190489703	PC aa C24:0	12	53745262	A/G	0.011	0.011	-0.044	0.075	0.554	20.399
rs28533070	PC aa C24:0	15	97177443	G/A	0.100	0.100	-0.048	0.025	0.054	31.584
rs78351874	PC aa C24:0	2	200472560	C/T	0.095	0.095	-0.053	0.026	0.041	26.625
rs142036050	PC aa C24:0	14	33729481	T/C	0.017	0.017	-0.064	0.062	0.305	23.457
rs77431173	PC aa C24:0	7	14742864	T/C	0.029	0.029	-0.074	0.045	0.098	27.146
rs9653713	PC aa C32:2	21	35219643	C/A	0.010	0.010	0.140	0.081	0.086	20.099
rs79644827	PC aa C32:2	8	84739529	G/A	0.017	0.017	0.094	0.057	0.100	23.578
rs142325173	PC aa C32:2	12	18822872	G/A	0.019	0.019	0.057	0.054	0.286	21.598
rs2174239	PC aa C32:2	14	93885496	T/C	0.868	0.133	0.047	0.022	0.031	21.143
rs61836106	PC aa C32:2	10	2639003	G/A	0.104	0.104	0.046	0.024	0.055	27.000
rs184406487	PC aa C32:2	1	198791227	C/T	0.028	0.028	0.041	0.045	0.365	20.179
rs114244865	PC aa C32:2	4	129967492	C/T	0.027	0.027	0.040	0.047	0.386	27.605
rs429358	PC aa C32:2	19	45411941	T/C	0.147	0.147	0.039	0.021	0.064	48.360
rs9297663	PC aa C32:2	8	123728686	A/G	0.169	0.169	0.038	0.020	0.050	20.544
rs77431173	PC aa C32:2	7	14742864	T/C	0.029	0.029	0.037	0.044	0.408	27.146
rs3964074	PC aa C32:2	16	74166991	T/C	0.536	0.465	0.036	0.014	0.012	32.094

rs76218094	PC aa C32:2	2	176215906	A/G	0.092	0.092	0.035	0.025	0.169	25.687
rs34722489	PC aa C32:2	5	127856954	C/A	0.243	0.243	0.031	0.017	0.063	19.340
rs6845321	PC aa C32:2	4	113595869	C/T	0.306	0.306	0.031	0.016	0.050	19.870
rs12996547	PC aa C32:2	2	602036	C/T	0.352	0.352	0.030	0.016	0.055	21.351
rs2028935	PC aa C32:2	5	19607413	A/C	0.481	0.481	0.028	0.015	0.057	21.883
rs963778	PC aa C32:2	14	27009199	A/C	0.244	0.244	0.027	0.017	0.112	20.608
rs4486004	PC aa C32:2	6	26167710	G/T	0.231	0.231	0.026	0.017	0.133	22.893
rs11100930	PC aa C32:2	4	147591808	G/A	0.872	0.128	0.025	0.022	0.245	27.384
rs28742222	PC aa C32:2	7	40176752	G/T	0.420	0.420	0.023	0.015	0.111	22.104
rs62107261	PC aa C32:2	2	422144	T/C	0.051	0.051	0.023	0.034	0.492	31.903
rs2096352	PC aa C32:2	10	92439106	T/G	0.418	0.418	0.023	0.015	0.127	22.192
rs10500285	PC aa C32:2	19	42672760	C/T	0.117	0.117	0.021	0.023	0.348	21.620
rs2726033	PC aa C32:2	16	28338039	A/G	0.422	0.422	0.020	0.015	0.170	37.449
rs12154057	PC aa C32:2	6	161867419	A/C	0.390	0.390	0.020	0.015	0.189	22.525
rs62266239	PC aa C32:2	3	116750431	C/T	0.140	0.140	0.018	0.021	0.397	31.621
rs62398404	PC aa C32:2	6	37669616	C/T	0.127	0.127	0.018	0.022	0.412	26.526
rs9464192	PC aa C32:2	6	54987759	C/T	0.573	0.427	0.017	0.015	0.234	27.538
rs11090045	PC aa C32:2	22	41753603	G/A	0.296	0.296	0.017	0.016	0.288	39.113
rs12494242	PC aa C32:2	3	85413180	T/C	0.319	0.319	0.017	0.016	0.270	19.701
rs795437	PC aa C32:2	3	30804170	T/C	0.458	0.458	0.017	0.015	0.243	20.054
rs7628382	PC aa C32:2	3	70641810	A/G	0.443	0.443	0.017	0.015	0.246	22.690
rs114114265	PC aa C32:2	2	79806712	G/A	0.050	0.050	0.017	0.033	0.622	19.609
rs72973055	PC aa C32:2	19	3353494	G/A	0.204	0.204	0.016	0.019	0.384	28.515
rs1958801	PC aa C32:2	14	98872110	A/G	0.274	0.274	0.016	0.016	0.322	27.583
rs75210106	PC aa C32:2	2	113246436	C/T	0.172	0.172	0.016	0.019	0.406	20.244
rs12355804	PC aa C32:2	10	3535854	C/T	0.072	0.072	0.016	0.028	0.573	24.055
rs3000677	PC aa C32:2	13	21298026	G/A	0.840	0.160	0.014	0.020	0.479	20.978
rs7199285	PC aa C32:2	16	19980931	C/T	0.183	0.183	0.014	0.019	0.471	22.392
rs9590216	PC aa C32:2	13	95905305	T/C	0.146	0.146	0.014	0.021	0.501	20.505
rs742359	PC aa C32:2	1	1715011	C/A	0.268	0.268	0.013	0.016	0.441	22.904
rs1711171	PC aa C32:2	3	136020541	T/C	0.756	0.244	0.012	0.017	0.466	31.945
rs77437455	PC aa C32:2	3	174900715	A/G	0.048	0.048	0.011	0.038	0.767	19.823
rs660880	PC aa C32:2	1	6866978	G/A	0.514	0.486	0.011	0.015	0.453	42.910

rs13262595	PC aa C32:2	8	143316970	A/G	0.554	0.446	0.010	0.015	0.509	36.221
rs9868223	PC aa C32:2	3	81724327	C/T	0.178	0.178	0.009	0.019	0.634	27.510
rs4936119	PC aa C32:2	11	112486568	C/A	0.265	0.265	0.009	0.017	0.606	26.834
rs7015	PC aa C32:2	7	97920623	A/G	0.809	0.191	0.008	0.019	0.675	20.665
rs2222760	PC aa C32:2	2	151345113	G/A	0.277	0.277	0.008	0.017	0.641	36.656
rs9372122	PC aa C32:2	6	106742454	G/A	0.437	0.437	0.008	0.015	0.600	20.350
rs12232839	PC aa C32:2	19	34090242	T/G	0.896	0.104	0.007	0.024	0.763	21.229
rs3810818	PC aa C32:2	16	4432029	A/C	0.765	0.235	0.007	0.017	0.685	26.319
rs74697766	PC aa C32:2	4	105732919	T/C	0.082	0.082	0.006	0.027	0.814	19.820
rs72952553	PC aa C32:2	2	217481516	G/A	0.302	0.302	0.006	0.017	0.726	21.726
rs2568712	PC aa C32:2	11	91407305	T/G	0.581	0.420	0.006	0.015	0.696	26.788
rs2490323	PC aa C32:2	1	65985736	C/T	0.181	0.181	0.005	0.019	0.792	20.871
rs1193333	PC aa C32:2	7	127609301	A/G	0.640	0.360	0.005	0.015	0.765	29.915
rs57318525	PC aa C32:2	6	104614058	A/C	0.435	0.435	0.004	0.015	0.806	21.548
rs2938609	PC aa C32:2	6	39700434	G/A	0.414	0.414	0.004	0.015	0.813	21.363
rs6829572	PC aa C32:2	4	93984155	G/A	0.465	0.465	0.004	0.015	0.810	31.349
rs3909727	PC aa C32:2	11	126587382	A/G	0.832	0.168	0.003	0.019	0.891	36.536
rs7204652	PC aa C32:2	16	5675613	T/C	0.195	0.195	0.002	0.019	0.897	38.707
rs28533070	PC aa C32:2	15	97177443	G/A	0.100	0.100	0.002	0.025	0.937	31.584
rs9317624	PC aa C32:2	13	67506934	C/A	0.440	0.440	0.001	0.016	0.941	27.770
rs942038	PC aa C32:2	13	112682875	A/G	0.696	0.304	0.001	0.016	0.961	21.212
rs62469212	PC aa C32:2	7	113934926	C/A	0.467	0.467	0.001	0.015	0.966	20.048
rs2439945	PC aa C32:2	17	5124462	C/T	0.195	0.195	0.000	0.019	0.995	22.216
rs4837943	PC aa C32:2	9	124882085	C/T	0.209	0.209	-0.001	0.018	0.979	19.908
rs56389750	PC aa C32:2	3	62399917	C/T	0.271	0.271	-0.001	0.017	0.938	31.074
rs12588402	PC aa C32:2	14	29738282	A/G	0.577	0.423	-0.002	0.015	0.889	22.932
rs12658015	PC aa C32:2	5	164493306	A/G	0.643	0.357	-0.004	0.015	0.811	36.443
rs74629965	PC aa C32:2	6	51185853	T/G	0.071	0.071	-0.004	0.028	0.892	28.841
rs114210747	PC aa C32:2	5	144214142	C/T	0.081	0.081	-0.004	0.027	0.881	27.954
rs1370239	PC aa C32:2	16	64291189	A/G	0.566	0.434	-0.004	0.015	0.788	24.957
rs6897617	PC aa C32:2	5	173301982	G/A	0.288	0.288	-0.006	0.016	0.726	22.000
rs17203687	PC aa C32:2	3	127684748	C/T	0.093	0.093	-0.006	0.025	0.823	20.586
rs11633261	PC aa C32:2	15	25251310	G/T	0.459	0.459	-0.006	0.015	0.701	22.266

rs35783535	PC aa C32:2	2	98623227	G/A	0.381	0.381	-0.006	0.015	0.705	20.573
rs62266118	PC aa C32:2	3	115124821	A/G	0.195	0.195	-0.007	0.019	0.726	20.670
rs9829222	PC aa C32:2	3	175671153	C/T	0.238	0.238	-0.007	0.017	0.683	30.981
rs1967840	PC aa C32:2	10	112026082	A/G	0.184	0.184	-0.008	0.019	0.655	23.049
rs78351874	PC aa C32:2	2	200472560	C/T	0.095	0.095	-0.009	0.025	0.723	26.625
rs2643174	PC aa C32:2	3	164393607	G/A	0.155	0.155	-0.009	0.020	0.654	19.612
rs276447	PC aa C32:2	9	15581302	C/T	0.480	0.480	-0.009	0.015	0.520	77.627
rs111299612	PC aa C32:2	18	25461937	G/A	0.034	0.034	-0.010	0.047	0.829	20.795
rs2426605	PC aa C32:2	20	54869080	A/C	0.339	0.339	-0.010	0.015	0.504	21.951
rs7812804	PC aa C32:2	8	59791586	C/T	0.240	0.240	-0.011	0.018	0.538	20.685
rs10276580	PC aa C32:2	7	11772539	T/G	0.727	0.274	-0.011	0.016	0.485	23.545
rs62169335	PC aa C32:2	2	147946069	C/T	0.547	0.453	-0.011	0.015	0.444	29.062
rs72759867	PC aa C32:2	1	243578188	T/C	0.104	0.104	-0.012	0.024	0.626	27.249
rs138067	PC aa C32:2	22	44227556	A/G	0.428	0.428	-0.012	0.015	0.419	22.798
rs141407174	PC aa C32:2	7	103178027	C/T	0.017	0.017	-0.014	0.058	0.811	22.580
rs11772832	PC aa C32:2	7	135073047	T/C	0.402	0.402	-0.014	0.015	0.337	26.000
rs7208329	PC aa C32:2	17	33128801	C/T	0.026	0.026	-0.015	0.048	0.757	21.783
rs11231296	PC aa C32:2	11	62758580	T/C	0.218	0.218	-0.016	0.018	0.379	22.290
rs12643496	PC aa C32:2	4	172492327	G/A	0.858	0.143	-0.016	0.021	0.451	23.522
rs1504708	PC aa C32:2	11	99252012	A/G	0.481	0.481	-0.017	0.015	0.253	20.060
rs4742644	PC aa C32:2	9	9959413	T/C	0.251	0.251	-0.018	0.017	0.289	22.777
rs224064	PC aa C32:2	10	64504212	T/C	0.596	0.404	-0.018	0.015	0.230	24.795
rs2678900	PC aa C32:2	2	58177683	T/G	0.428	0.428	-0.018	0.015	0.221	51.716
rs17573452	PC aa C32:2	12	60224839	C/T	0.190	0.190	-0.019	0.018	0.307	27.214
rs78621251	PC aa C32:2	18	63348042	A/G	0.034	0.034	-0.019	0.041	0.635	28.508
rs6889815	PC aa C32:2	5	25302404	A/C	0.124	0.124	-0.021	0.022	0.353	19.465
rs13147920	PC aa C32:2	4	181245804	C/T	0.390	0.390	-0.022	0.015	0.140	23.379
rs6960970	PC aa C32:2	7	14207740	T/C	0.803	0.197	-0.022	0.019	0.245	20.913
rs673696	PC aa C32:2	11	31097262	C/T	0.082	0.082	-0.024	0.026	0.364	31.739
rs17547360	PC aa C32:2	12	30169738	T/C	0.247	0.247	-0.024	0.017	0.156	19.871
rs11023757	PC aa C32:2	11	15902219	T/C	0.254	0.254	-0.026	0.017	0.116	20.241
rs11743441	PC aa C32:2	5	88065637	G/T	0.578	0.422	-0.026	0.015	0.076	29.279
rs141934869	PC aa C32:2	8	27775477	G/T	0.012	0.012	-0.027	0.069	0.694	24.322

rs61995216	PC aa C32:2	14	80103620	A/G	0.055	0.055	-0.027	0.032	0.398	23.252
rs11039028	PC aa C32:2	11	46944196	G/A	0.233	0.233	-0.028	0.017	0.105	23.725
rs77529617	PC aa C32:2	17	16502271	C/T	0.115	0.115	-0.028	0.023	0.217	31.223
rs136548	PC aa C32:2	22	27253353	C/T	0.375	0.375	-0.029	0.015	0.054	33.768
rs9936121	PC aa C32:2	16	76123518	T/G	0.316	0.316	-0.030	0.016	0.056	24.111
rs8073904	PC aa C32:2	17	79095144	G/A	0.859	0.141	-0.031	0.022	0.162	24.538
rs17107024	PC aa C32:2	14	69961658	T/C	0.133	0.133	-0.034	0.021	0.117	23.746
rs1458820	PC aa C32:2	4	55990353	G/A	0.937	0.063	-0.034	0.030	0.262	24.169
rs1698114	PC aa C32:2	19	49259854	A/G	0.491	0.491	-0.034	0.016	0.030	33.296
rs34121855	PC aa C32:2	7	73040814	T/G	0.196	0.196	-0.043	0.018	0.019	38.189
rs10753761	PC aa C32:2	1	167584973	A/G	0.816	0.184	-0.043	0.019	0.026	20.338
rs13002164	PC aa C32:2	2	56680788	C/T	0.059	0.059	-0.044	0.031	0.158	22.241
rs12051465	PC aa C32:2	16	49551403	G/T	0.231	0.231	-0.044	0.017	0.011	21.281
rs190489703	PC aa C32:2	12	53745262	A/G	0.011	0.011	-0.053	0.073	0.472	20.399
rs16926787	PC aa C32:2	9	126506289	G/T	0.081	0.081	-0.066	0.027	0.013	21.298
rs142036050	PC aa C32:2	14	33729481	T/C	0.017	0.017	-0.079	0.061	0.192	23.457
rs79644827	PC aa C32:3	8	84739529	G/A	0.017	0.017	0.124	0.057	0.029	23.578
rs9653713	PC aa C32:3	21	35219643	C/A	0.010	0.010	0.086	0.081	0.286	20.099
rs184406487	PC aa C32:3	1	198791227	C/T	0.028	0.028	0.059	0.044	0.185	20.179
rs7199285	PC aa C32:3	16	19980931	C/T	0.183	0.183	0.055	0.019	0.005	22.392
rs429358	PC aa C32:3	19	45411941	T/C	0.147	0.147	0.043	0.021	0.038	48.360
rs62107261	PC aa C32:3	2	422144	T/C	0.051	0.051	0.041	0.034	0.228	31.903
rs141934869	PC aa C32:3	8	27775477	G/T	0.012	0.012	0.037	0.068	0.587	24.322
rs61836106	PC aa C32:3	10	2639003	G/A	0.104	0.104	0.035	0.024	0.139	27.000
rs6845321	PC aa C32:3	4	113595869	C/T	0.306	0.306	0.035	0.016	0.026	19.870
rs10500285	PC aa C32:3	19	42672760	C/T	0.117	0.117	0.033	0.022	0.139	21.620
rs963778	PC aa C32:3	14	27009199	A/C	0.244	0.244	0.033	0.017	0.050	20.608
rs2174239	PC aa C32:3	14	93885496	T/C	0.867	0.133	0.029	0.022	0.184	21.143
rs77431173	PC aa C32:3	7	14742864	T/C	0.029	0.029	0.029	0.044	0.514	27.146
rs9297663	PC aa C32:3	8	123728686	A/G	0.169	0.169	0.025	0.019	0.194	20.544
rs12355804	PC aa C32:3	10	3535854	C/T	0.072	0.072	0.024	0.028	0.387	24.055
rs114114265	PC aa C32:3	2	79806712	G/A	0.050	0.050	0.024	0.033	0.478	19.609
rs190489703	PC aa C32:3	12	53745262	A/G	0.011	0.011	0.023	0.073	0.749	20.399

rs2222760	PC aa C32:3	2	151345113	G/A	0.277	0.277	0.021	0.016	0.201	36.656
rs795437	PC aa C32:3	3	30804170	T/C	0.458	0.458	0.021	0.015	0.147	20.054
rs9464192	PC aa C32:3	6	54987759	C/T	0.573	0.427	0.017	0.014	0.252	27.538
rs76218094	PC aa C32:3	2	176215906	A/G	0.092	0.092	0.016	0.025	0.518	25.687
rs62266239	PC aa C32:3	3	116750431	C/T	0.139	0.139	0.015	0.021	0.471	31.621
rs72973055	PC aa C32:3	19	3353494	G/A	0.204	0.204	0.015	0.019	0.418	28.515
rs12996547	PC aa C32:3	2	602036	C/T	0.352	0.352	0.015	0.015	0.341	21.351
rs28742222	PC aa C32:3	7	40176752	G/T	0.420	0.420	0.015	0.015	0.314	22.104
rs9868223	PC aa C32:3	3	81724327	C/T	0.179	0.179	0.014	0.019	0.437	27.510
rs9372122	PC aa C32:3	6	106742454	G/A	0.437	0.437	0.012	0.015	0.399	20.350
rs1967840	PC aa C32:3	10	112026082	A/G	0.184	0.184	0.012	0.018	0.509	23.049
rs1504708	PC aa C32:3	11	99252012	A/G	0.481	0.481	0.012	0.014	0.405	20.060
rs4486004	PC aa C32:3	6	26167710	G/T	0.231	0.231	0.011	0.017	0.535	22.893
rs1193333	PC aa C32:3	7	127609301	A/G	0.640	0.360	0.010	0.015	0.499	29.915
rs62398404	PC aa C32:3	6	37669616	C/T	0.127	0.127	0.010	0.022	0.644	26.526
rs7628382	PC aa C32:3	3	70641810	A/G	0.443	0.443	0.010	0.015	0.507	22.690
rs1958801	PC aa C32:3	14	98872110	A/G	0.274	0.274	0.009	0.016	0.561	27.583
rs12154057	PC aa C32:3	6	161867419	A/C	0.390	0.390	0.009	0.015	0.539	22.525
rs75210106	PC aa C32:3	2	113246436	C/T	0.172	0.172	0.009	0.019	0.633	20.244
rs62266118	PC aa C32:3	3	115124821	A/G	0.195	0.195	0.009	0.019	0.636	20.670
rs1370239	PC aa C32:3	16	64291189	A/G	0.566	0.434	0.009	0.015	0.557	24.957
rs942038	PC aa C32:3	13	112682875	A/G	0.696	0.304	0.009	0.016	0.592	21.212
rs3000677	PC aa C32:3	13	21298026	G/A	0.840	0.160	0.008	0.020	0.670	20.978
rs1711171	PC aa C32:3	3	136020541	T/C	0.756	0.244	0.008	0.017	0.622	31.945
rs7204652	PC aa C32:3	16	5675613	T/C	0.195	0.195	0.008	0.018	0.658	38.707
rs11090045	PC aa C32:3	22	41753603	G/A	0.296	0.296	0.008	0.016	0.618	39.113
rs11100930	PC aa C32:3	4	147591808	G/A	0.872	0.128	0.008	0.022	0.719	27.384
rs11633261	PC aa C32:3	15	25251310	G/T	0.459	0.459	0.008	0.015	0.602	22.266
rs6829572	PC aa C32:3	4	93984155	G/A	0.465	0.465	0.008	0.015	0.603	31.349
rs2726033	PC aa C32:3	16	28338039	A/G	0.422	0.422	0.007	0.015	0.616	37.449
rs2938609	PC aa C32:3	6	39700434	G/A	0.414	0.414	0.007	0.015	0.630	21.363
rs12494242	PC aa C32:3	3	85413180	T/C	0.319	0.319	0.007	0.015	0.662	19.701
rs3964074	PC aa C32:3	16	74166991	T/C	0.535	0.465	0.006	0.014	0.655	32.094

rs136548	PC aa C32:3	22	27253353	C/T	0.375	0.375	0.006	0.015	0.676	33.768
rs138067	PC aa C32:3	22	44227556	A/G	0.428	0.428	0.006	0.014	0.679	22.798
rs276447	PC aa C32:3	9	15581302	C/T	0.480	0.480	0.006	0.014	0.685	77.627
rs660880	PC aa C32:3	1	6866978	G/A	0.514	0.486	0.006	0.014	0.698	42.910
rs72952553	PC aa C32:3	2	217481516	G/A	0.302	0.302	0.004	0.017	0.808	21.726
rs3909727	PC aa C32:3	11	126587382	A/G	0.832	0.168	0.004	0.019	0.843	36.536
rs114210747	PC aa C32:3	5	144214142	C/T	0.081	0.081	0.004	0.027	0.891	27.954
rs9829222	PC aa C32:3	3	175671153	C/T	0.238	0.238	0.004	0.017	0.837	30.981
rs78351874	PC aa C32:3	2	200472560	C/T	0.095	0.095	0.003	0.025	0.892	26.625
rs142325173	PC aa C32:3	12	18822872	G/A	0.019	0.019	0.003	0.053	0.955	21.598
rs673696	PC aa C32:3	11	31097262	C/T	0.082	0.082	0.003	0.026	0.913	31.739
rs62169335	PC aa C32:3	2	147946069	C/T	0.548	0.453	0.003	0.015	0.850	29.062
rs2096352	PC aa C32:3	10	92439106	T/G	0.418	0.418	0.002	0.015	0.883	22.192
rs74697766	PC aa C32:3	4	105732919	T/C	0.082	0.082	0.002	0.027	0.935	19.820
rs12232839	PC aa C32:3	19	34090242	T/G	0.896	0.104	0.001	0.023	0.955	21.229
rs56389750	PC aa C32:3	3	62399917	C/T	0.271	0.271	0.001	0.016	0.976	31.074
rs11039028	PC aa C32:3	11	46944196	G/A	0.233	0.233	0.000	0.017	0.982	23.725
rs11772832	PC aa C32:3	7	135073047	T/C	0.402	0.402	0.000	0.015	0.989	26.000
rs1458820	PC aa C32:3	4	55990353	G/A	0.937	0.063	0.000	0.030	0.997	24.169
rs17203687	PC aa C32:3	3	127684748	C/T	0.093	0.093	0.000	0.025	0.987	20.586
rs4936119	PC aa C32:3	11	112486568	C/A	0.264	0.264	-0.001	0.017	0.969	26.834
rs4837943	PC aa C32:3	9	124882085	C/T	0.209	0.209	-0.001	0.018	0.953	19.908
rs9590216	PC aa C32:3	13	95905305	T/C	0.146	0.146	-0.001	0.021	0.951	20.505
rs224064	PC aa C32:3	10	64504212	T/C	0.596	0.404	-0.002	0.015	0.890	24.795
rs2439945	PC aa C32:3	17	5124462	C/T	0.195	0.195	-0.002	0.019	0.915	22.216
rs12588402	PC aa C32:3	14	29738282	A/G	0.577	0.423	-0.003	0.015	0.864	22.932
rs12658015	PC aa C32:3	5	164493306	A/G	0.643	0.357	-0.003	0.015	0.844	36.443
rs74629965	PC aa C32:3	6	51185853	T/G	0.071	0.071	-0.004	0.028	0.897	28.841
rs9317624	PC aa C32:3	13	67506934	C/A	0.439	0.439	-0.004	0.015	0.807	27.770
rs2568712	PC aa C32:3	11	91407305	T/G	0.581	0.419	-0.005	0.015	0.753	26.788
rs13262595	PC aa C32:3	8	143316970	A/G	0.554	0.446	-0.005	0.014	0.745	36.221
rs11231296	PC aa C32:3	11	62758580	T/C	0.218	0.218	-0.005	0.018	0.786	22.290
rs2028935	PC aa C32:3	5	19607413	A/C	0.481	0.481	-0.006	0.015	0.690	21.883

rs78621251	PC aa C32:3	18	63348042	A/G	0.034	0.034	-0.007	0.040	0.873	28.508
rs34722489	PC aa C32:3	5	127856954	C/A	0.243	0.243	-0.007	0.017	0.691	19.340
rs11743441	PC aa C32:3	5	88065637	G/T	0.578	0.422	-0.007	0.015	0.639	29.279
rs2490323	PC aa C32:3	1	65985736	C/T	0.181	0.181	-0.008	0.019	0.648	20.871
rs28533070	PC aa C32:3	15	97177443	G/A	0.100	0.100	-0.009	0.025	0.727	31.584
rs35783535	PC aa C32:3	2	98623227	G/A	0.381	0.381	-0.009	0.015	0.552	20.573
rs7015	PC aa C32:3	7	97920623	A/G	0.809	0.191	-0.009	0.018	0.615	20.665
rs742359	PC aa C32:3	1	1715011	C/A	0.268	0.268	-0.010	0.016	0.553	22.904
rs17107024	PC aa C32:3	14	69961658	T/C	0.133	0.133	-0.010	0.021	0.642	23.746
rs10276580	PC aa C32:3	7	11772539	T/G	0.727	0.273	-0.011	0.016	0.504	23.545
rs2678900	PC aa C32:3	2	58177683	T/G	0.428	0.428	-0.011	0.015	0.467	51.716
rs7812804	PC aa C32:3	8	59791586	C/T	0.240	0.240	-0.011	0.018	0.516	20.685
rs17573452	PC aa C32:3	12	60224839	C/T	0.190	0.190	-0.012	0.018	0.527	27.214
rs62469212	PC aa C32:3	7	113934926	C/A	0.467	0.467	-0.012	0.015	0.425	20.048
rs57318525	PC aa C32:3	6	104614058	A/C	0.435	0.435	-0.014	0.015	0.358	21.548
rs7208329	PC aa C32:3	17	33128801	C/T	0.026	0.026	-0.016	0.048	0.740	21.783
rs1698114	PC aa C32:3	19	49259854	A/G	0.490	0.490	-0.016	0.016	0.305	33.296
rs2643174	PC aa C32:3	3	164393607	G/A	0.155	0.155	-0.017	0.020	0.400	19.612
rs3810818	PC aa C32:3	16	4432029	A/C	0.765	0.235	-0.018	0.017	0.295	26.319
rs6897617	PC aa C32:3	5	173301982	G/A	0.288	0.288	-0.019	0.016	0.219	22.000
rs72759867	PC aa C32:3	1	243578188	T/C	0.104	0.104	-0.021	0.024	0.389	27.249
rs2426605	PC aa C32:3	20	54869080	A/C	0.339	0.339	-0.021	0.015	0.171	21.951
rs17547360	PC aa C32:3	12	30169738	T/C	0.247	0.247	-0.022	0.017	0.191	19.871
rs11023757	PC aa C32:3	11	15902219	T/C	0.254	0.254	-0.024	0.016	0.141	20.241
rs6960970	PC aa C32:3	7	14207740	T/C	0.803	0.198	-0.025	0.019	0.200	20.913
rs8073904	PC aa C32:3	17	79095144	G/A	0.859	0.141	-0.025	0.022	0.266	24.538
rs13147920	PC aa C32:3	4	181245804	C/T	0.390	0.390	-0.025	0.015	0.091	23.379
rs12051465	PC aa C32:3	16	49551403	G/T	0.231	0.231	-0.027	0.017	0.116	21.281
rs4742644	PC aa C32:3	9	9959413	T/C	0.251	0.251	-0.028	0.017	0.085	22.777
rs61995216	PC aa C32:3	14	80103620	A/G	0.055	0.055	-0.029	0.032	0.368	23.252
rs10753761	PC aa C32:3	1	167584973	A/G	0.816	0.184	-0.030	0.019	0.118	20.338
rs13002164	PC aa C32:3	2	56680788	C/T	0.059	0.059	-0.031	0.031	0.321	22.241
rs34121855	PC aa C32:3	7	73040814	T/G	0.196	0.196	-0.032	0.018	0.079	38.189

rs77529617	PC aa C32:3	17	16502271	C/T	0.115	0.115	-0.033	0.023	0.143	31.223
rs111299612	PC aa C32:3	18	25461937	G/A	0.034	0.034	-0.034	0.047	0.469	20.795
rs12643496	PC aa C32:3	4	172492327	G/A	0.858	0.143	-0.034	0.021	0.104	23.522
rs114244865	PC aa C32:3	4	129967492	C/T	0.027	0.027	-0.035	0.046	0.452	27.605
rs9936121	PC aa C32:3	16	76123518	T/G	0.316	0.316	-0.035	0.016	0.022	24.111
rs6889815	PC aa C32:3	5	25302404	A/C	0.124	0.124	-0.039	0.022	0.080	19.465
rs16926787	PC aa C32:3	9	126506289	G/T	0.081	0.081	-0.063	0.026	0.016	21.298
rs77437455	PC aa C32:3	3	174900715	A/G	0.048	0.048	-0.064	0.037	0.086	19.823
rs142036050	PC aa C32:3	14	33729481	T/C	0.017	0.017	-0.084	0.060	0.164	23.457
rs141407174	PC aa C32:3	7	103178027	C/T	0.017	0.017	-0.104	0.058	0.073	22.580
rs141934869	PC aa C36:0	8	27775477	G/T	0.012	0.012	0.163	0.069	0.018	24.322
rs114114265	PC aa C36:0	2	79806712	G/A	0.050	0.050	0.081	0.033	0.015	19.609
rs61995216	PC aa C36:0	14	80103620	A/G	0.055	0.055	0.059	0.032	0.068	23.252
rs7208329	PC aa C36:0	17	33128801	C/T	0.026	0.026	0.053	0.048	0.272	21.783
rs61836106	PC aa C36:0	10	2639003	G/A	0.104	0.104	0.049	0.024	0.043	27.000
rs795437	PC aa C36:0	3	30804170	T/C	0.458	0.458	0.041	0.015	0.005	20.054
rs114210747	PC aa C36:0	5	144214142	C/T	0.081	0.081	0.041	0.027	0.129	27.954
rs10500285	PC aa C36:0	19	42672760	C/T	0.117	0.117	0.036	0.023	0.112	21.620
rs429358	PC aa C36:0	19	45411941	T/C	0.147	0.147	0.035	0.021	0.091	48.360
rs9653713	PC aa C36:0	21	35219643	C/A	0.010	0.010	0.031	0.081	0.702	20.099
rs34722489	PC aa C36:0	5	127856954	C/A	0.243	0.243	0.029	0.017	0.088	19.340
rs3909727	PC aa C36:0	11	126587382	A/G	0.832	0.168	0.029	0.019	0.130	36.536
rs11231296	PC aa C36:0	11	62758580	T/C	0.218	0.218	0.027	0.018	0.131	22.290
rs1193333	PC aa C36:0	7	127609301	A/G	0.640	0.360	0.026	0.015	0.078	29.915
rs1967840	PC aa C36:0	10	112026082	A/G	0.184	0.184	0.024	0.019	0.195	23.049
rs12996547	PC aa C36:0	2	602036	C/T	0.352	0.352	0.024	0.016	0.129	21.351
rs62266239	PC aa C36:0	3	116750431	C/T	0.140	0.140	0.024	0.021	0.265	31.621
rs4486004	PC aa C36:0	6	26167710	G/T	0.231	0.231	0.023	0.017	0.170	22.893
rs62107261	PC aa C36:0	2	422144	T/C	0.051	0.051	0.023	0.034	0.491	31.903
rs224064	PC aa C36:0	10	64504212	T/C	0.596	0.404	0.023	0.015	0.132	24.795
rs184406487	PC aa C36:0	1	198791227	C/T	0.028	0.028	0.022	0.045	0.617	20.179
rs79644827	PC aa C36:0	8	84739529	G/A	0.017	0.017	0.022	0.057	0.700	23.578
rs8073904	PC aa C36:0	17	79095144	G/A	0.859	0.141	0.022	0.022	0.330	24.538

rs7199285	PC aa C36:0	16	19980931	C/T	0.183	0.183	0.021	0.019	0.285	22.392
rs136548	PC aa C36:0	22	27253353	C/T	0.375	0.375	0.019	0.015	0.195	33.768
rs9590216	PC aa C36:0	13	95905305	T/C	0.146	0.146	0.017	0.021	0.427	20.505
rs56389750	PC aa C36:0	3	62399917	C/T	0.271	0.271	0.016	0.017	0.332	31.074
rs12051465	PC aa C36:0	16	49551403	G/T	0.231	0.231	0.014	0.017	0.436	21.281
rs17547360	PC aa C36:0	12	30169738	T/C	0.247	0.247	0.012	0.017	0.481	19.871
rs76218094	PC aa C36:0	2	176215906	A/G	0.092	0.092	0.012	0.025	0.647	25.687
rs9317624	PC aa C36:0	13	67506934	C/A	0.440	0.440	0.012	0.016	0.457	27.770
rs12494242	PC aa C36:0	3	85413180	T/C	0.319	0.319	0.011	0.016	0.472	19.701
rs10753761	PC aa C36:0	1	167584973	A/G	0.816	0.184	0.011	0.019	0.588	20.338
rs62266118	PC aa C36:0	3	115124821	A/G	0.195	0.195	0.010	0.019	0.578	20.670
rs12355804	PC aa C36:0	10	3535854	C/T	0.072	0.072	0.010	0.028	0.736	24.055
rs742359	PC aa C36:0	1	1715011	C/A	0.268	0.268	0.009	0.016	0.565	22.904
rs3964074	PC aa C36:0	16	74166991	T/C	0.535	0.465	0.008	0.014	0.559	32.094
rs9297663	PC aa C36:0	8	123728686	A/G	0.169	0.169	0.008	0.020	0.680	20.544
rs6829572	PC aa C36:0	4	93984155	G/A	0.465	0.465	0.008	0.015	0.585	31.349
rs17107024	PC aa C36:0	14	69961658	T/C	0.133	0.133	0.007	0.021	0.739	23.746
rs9464192	PC aa C36:0	6	54987759	C/T	0.573	0.427	0.007	0.015	0.624	27.538
rs13147920	PC aa C36:0	4	181245804	C/T	0.390	0.390	0.007	0.015	0.639	23.379
rs2938609	PC aa C36:0	6	39700434	G/A	0.414	0.414	0.006	0.015	0.667	21.363
rs12154057	PC aa C36:0	6	161867419	A/C	0.390	0.390	0.006	0.015	0.687	22.525
rs17203687	PC aa C36:0	3	127684748	C/T	0.093	0.093	0.006	0.025	0.811	20.586
rs963778	PC aa C36:0	14	27009199	A/C	0.244	0.244	0.005	0.017	0.749	20.608
rs190489703	PC aa C36:0	12	53745262	A/G	0.011	0.011	0.005	0.074	0.947	20.399
rs11090045	PC aa C36:0	22	41753603	G/A	0.296	0.296	0.005	0.016	0.766	39.113
rs78351874	PC aa C36:0	2	200472560	C/T	0.095	0.095	0.005	0.025	0.853	26.625
rs28533070	PC aa C36:0	15	97177443	G/A	0.100	0.100	0.005	0.025	0.855	31.584
rs7204652	PC aa C36:0	16	5675613	T/C	0.195	0.195	0.005	0.019	0.806	38.707
rs11039028	PC aa C36:0	11	46944196	G/A	0.233	0.233	0.004	0.017	0.826	23.725
rs7812804	PC aa C36:0	8	59791586	C/T	0.240	0.240	0.004	0.018	0.831	20.685
rs35783535	PC aa C36:0	2	98623227	G/A	0.381	0.381	0.003	0.015	0.824	20.573
rs7015	PC aa C36:0	7	97920623	A/G	0.809	0.191	0.003	0.019	0.863	20.665
rs62169335	PC aa C36:0	2	147946069	C/T	0.547	0.453	0.003	0.015	0.834	29.062

rs6845321	PC aa C36:0	4	113595869	C/T	0.306	0.306	0.003	0.016	0.843	19.870
rs2222760	PC aa C36:0	2	151345113	G/A	0.277	0.277	0.003	0.017	0.878	36.656
rs2568712	PC aa C36:0	11	91407305	T/G	0.581	0.419	0.002	0.015	0.904	26.788
rs3000677	PC aa C36:0	13	21298026	G/A	0.840	0.160	0.002	0.020	0.927	20.978
rs11100930	PC aa C36:0	4	147591808	G/A	0.872	0.128	0.001	0.022	0.966	27.384
rs6897617	PC aa C36:0	5	173301982	G/A	0.288	0.288	0.000	0.016	0.983	22.000
rs1711171	PC aa C36:0	3	136020541	T/C	0.756	0.244	-0.001	0.017	0.955	31.945
rs2174239	PC aa C36:0	14	93885496	T/C	0.867	0.133	-0.001	0.022	0.966	21.143
rs1370239	PC aa C36:0	16	64291189	A/G	0.566	0.434	-0.002	0.015	0.884	24.957
rs75210106	PC aa C36:0	2	113246436	C/T	0.172	0.172	-0.003	0.019	0.865	20.244
rs11743441	PC aa C36:0	5	88065637	G/T	0.578	0.422	-0.004	0.015	0.779	29.279
rs72952553	PC aa C36:0	2	217481516	G/A	0.302	0.302	-0.005	0.017	0.782	21.726
rs11633261	PC aa C36:0	15	25251310	G/T	0.459	0.459	-0.006	0.015	0.705	22.266
rs1958801	PC aa C36:0	14	98872110	A/G	0.274	0.274	-0.006	0.016	0.731	27.583
rs77529617	PC aa C36:0	17	16502271	C/T	0.115	0.115	-0.006	0.023	0.805	31.223
rs1698114	PC aa C36:0	19	49259854	A/G	0.491	0.491	-0.006	0.016	0.688	33.296
rs77431173	PC aa C36:0	7	14742864	T/C	0.029	0.029	-0.007	0.044	0.884	27.146
rs2643174	PC aa C36:0	3	164393607	G/A	0.155	0.155	-0.007	0.020	0.737	19.612
rs12232839	PC aa C36:0	19	34090242	T/G	0.896	0.104	-0.007	0.024	0.757	21.229
rs2439945	PC aa C36:0	17	5124462	C/T	0.195	0.195	-0.007	0.019	0.695	22.216
rs138067	PC aa C36:0	22	44227556	A/G	0.428	0.428	-0.008	0.015	0.593	22.798
rs78621251	PC aa C36:0	18	63348042	A/G	0.034	0.034	-0.008	0.041	0.840	28.508
rs276447	PC aa C36:0	9	15581302	C/T	0.480	0.480	-0.008	0.015	0.563	77.627
rs11023757	PC aa C36:0	11	15902219	T/C	0.254	0.254	-0.009	0.017	0.607	20.241
rs28742222	PC aa C36:0	7	40176752	G/T	0.420	0.420	-0.009	0.015	0.558	22.104
rs4742644	PC aa C36:0	9	9959413	T/C	0.251	0.251	-0.010	0.017	0.567	22.777
rs7628382	PC aa C36:0	3	70641810	A/G	0.443	0.443	-0.010	0.015	0.515	22.690
rs11772832	PC aa C36:0	7	135073047	T/C	0.402	0.402	-0.010	0.015	0.508	26.000
rs2678900	PC aa C36:0	2	58177683	T/G	0.428	0.428	-0.010	0.015	0.507	51.716
rs2028935	PC aa C36:0	5	19607413	A/C	0.481	0.481	-0.010	0.015	0.504	21.883
rs673696	PC aa C36:0	11	31097262	C/T	0.082	0.082	-0.010	0.026	0.710	31.739
rs9829222	PC aa C36:0	3	175671153	C/T	0.238	0.238	-0.010	0.017	0.547	30.981
rs660880	PC aa C36:0	1	6866978	G/A	0.514	0.486	-0.011	0.014	0.450	42.910

rs942038	PC aa C36:0	13	112682875	A/G	0.696	0.304	-0.013	0.016	0.431	21.212
rs12588402	PC aa C36:0	14	29738282	A/G	0.577	0.423	-0.013	0.015	0.379	22.932
rs9372122	PC aa C36:0	6	106742454	G/A	0.437	0.437	-0.014	0.015	0.357	20.350
rs62398404	PC aa C36:0	6	37669616	C/T	0.127	0.127	-0.014	0.022	0.527	26.526
rs13002164	PC aa C36:0	2	56680788	C/T	0.059	0.059	-0.014	0.031	0.656	22.241
rs9936121	PC aa C36:0	16	76123518	T/G	0.316	0.316	-0.014	0.016	0.373	24.111
rs10276580	PC aa C36:0	7	11772539	T/G	0.727	0.273	-0.014	0.016	0.378	23.545
rs4936119	PC aa C36:0	11	112486568	C/A	0.264	0.264	-0.015	0.017	0.379	26.834
rs2096352	PC aa C36:0	10	92439106	T/G	0.418	0.418	-0.015	0.015	0.300	22.192
rs34121855	PC aa C36:0	7	73040814	T/G	0.196	0.196	-0.016	0.018	0.384	38.189
rs9868223	PC aa C36:0	3	81724327	C/T	0.179	0.179	-0.016	0.019	0.391	27.510
rs57318525	PC aa C36:0	6	104614058	A/C	0.435	0.435	-0.016	0.015	0.278	21.548
rs6960970	PC aa C36:0	7	14207740	T/C	0.803	0.198	-0.017	0.019	0.388	20.913
rs1504708	PC aa C36:0	11	99252012	A/G	0.481	0.481	-0.018	0.014	0.222	20.060
rs2426605	PC aa C36:0	20	54869080	A/C	0.339	0.339	-0.018	0.015	0.242	21.951
rs62469212	PC aa C36:0	7	113934926	C/A	0.467	0.467	-0.019	0.015	0.216	20.048
rs12658015	PC aa C36:0	5	164493306	A/G	0.643	0.357	-0.020	0.015	0.189	36.443
rs77437455	PC aa C36:0	3	174900715	A/G	0.048	0.048	-0.020	0.038	0.593	19.823
rs4837943	PC aa C36:0	9	124882085	C/T	0.209	0.209	-0.023	0.018	0.221	19.908
rs72973055	PC aa C36:0	19	3353494	G/A	0.204	0.204	-0.024	0.019	0.205	28.515
rs6889815	PC aa C36:0	5	25302404	A/C	0.124	0.124	-0.024	0.022	0.283	19.465
rs17573452	PC aa C36:0	12	60224839	C/T	0.190	0.190	-0.027	0.018	0.145	27.214
rs3810818	PC aa C36:0	16	4432029	A/C	0.765	0.235	-0.027	0.017	0.110	26.319
rs114244865	PC aa C36:0	4	129967492	C/T	0.027	0.027	-0.028	0.047	0.552	27.605
rs2726033	PC aa C36:0	16	28338039	A/G	0.422	0.422	-0.028	0.015	0.054	37.449
rs13262595	PC aa C36:0	8	143316970	A/G	0.554	0.446	-0.031	0.015	0.033	36.221
rs1458820	PC aa C36:0	4	55990353	G/A	0.937	0.063	-0.031	0.030	0.302	24.169
rs16926787	PC aa C36:0	9	126506289	G/T	0.081	0.081	-0.031	0.027	0.239	21.298
rs12643496	PC aa C36:0	4	172492327	G/A	0.858	0.143	-0.032	0.021	0.123	23.522
rs2490323	PC aa C36:0	1	65985736	C/T	0.181	0.181	-0.033	0.019	0.074	20.871
rs74629965	PC aa C36:0	6	51185853	T/G	0.071	0.071	-0.034	0.028	0.232	28.841
rs74697766	PC aa C36:0	4	105732919	T/C	0.082	0.082	-0.040	0.027	0.136	19.820
rs142325173	PC aa C36:0	12	18822872	G/A	0.019	0.019	-0.043	0.054	0.425	21.598

rs72759867	PC aa C36:0	1	243578188	T/C	0.104	0.104	-0.054	0.024	0.025	27.249
rs111299612	PC aa C36:0	18	25461937	G/A	0.034	0.034	-0.073	0.047	0.119	20.795
rs142036050	PC aa C36:0	14	33729481	T/C	0.017	0.017	-0.075	0.061	0.216	23.457
rs141407174	PC aa C36:0	7	103178027	C/T	0.017	0.017	-0.094	0.058	0.108	22.580
rs429358	PC aa C36:4	19	45411941	T/C	0.147	0.147	0.075	0.021	0.000	48.360
rs184406487	PC aa C36:4	1	198791227	C/T	0.028	0.028	0.068	0.045	0.131	20.179
rs9653713	PC aa C36:4	21	35219643	C/A	0.010	0.010	0.066	0.082	0.423	20.099
rs114244865	PC aa C36:4	4	129967492	C/T	0.027	0.027	0.057	0.047	0.229	27.605
rs142325173	PC aa C36:4	12	18822872	G/A	0.019	0.019	0.055	0.054	0.309	21.598
rs12355804	PC aa C36:4	10	3535854	C/T	0.072	0.072	0.053	0.028	0.061	24.055
rs61836106	PC aa C36:4	10	2639003	G/A	0.104	0.104	0.051	0.024	0.034	27.000
rs62266118	PC aa C36:4	3	115124821	A/G	0.195	0.195	0.044	0.019	0.019	20.670
rs77431173	PC aa C36:4	7	14742864	T/C	0.029	0.029	0.042	0.044	0.346	27.146
rs61995216	PC aa C36:4	14	80103620	A/G	0.055	0.055	0.040	0.032	0.223	23.252
rs795437	PC aa C36:4	3	30804170	T/C	0.458	0.458	0.038	0.015	0.010	20.054
rs7199285	PC aa C36:4	16	19980931	C/T	0.183	0.183	0.033	0.020	0.091	22.392
rs62169335	PC aa C36:4	2	147946069	C/T	0.548	0.453	0.030	0.015	0.045	29.062
rs1504708	PC aa C36:4	11	99252012	A/G	0.481	0.481	0.028	0.015	0.052	20.060
rs77437455	PC aa C36:4	3	174900715	A/G	0.048	0.048	0.028	0.038	0.458	19.823
rs3909727	PC aa C36:4	11	126587382	A/G	0.832	0.168	0.026	0.019	0.168	36.536
rs1711171	PC aa C36:4	3	136020541	T/C	0.756	0.244	0.026	0.017	0.125	31.945
rs9297663	PC aa C36:4	8	123728686	A/G	0.169	0.169	0.025	0.020	0.204	20.544
rs11090045	PC aa C36:4	22	41753603	G/A	0.296	0.296	0.022	0.016	0.180	39.113
rs3964074	PC aa C36:4	16	74166991	T/C	0.535	0.465	0.021	0.015	0.155	32.094
rs17203687	PC aa C36:4	3	127684748	C/T	0.093	0.093	0.020	0.025	0.420	20.586
rs78621251	PC aa C36:4	18	63348042	A/G	0.034	0.034	0.020	0.041	0.632	28.508
rs35783535	PC aa C36:4	2	98623227	G/A	0.381	0.381	0.019	0.015	0.220	20.573
rs12494242	PC aa C36:4	3	85413180	T/C	0.319	0.319	0.018	0.016	0.257	19.701
rs2938609	PC aa C36:4	6	39700434	G/A	0.414	0.414	0.018	0.015	0.231	21.363
rs942038	PC aa C36:4	13	112682875	A/G	0.696	0.304	0.018	0.016	0.275	21.212
rs12232839	PC aa C36:4	19	34090242	T/G	0.896	0.104	0.016	0.024	0.509	21.229
rs11633261	PC aa C36:4	15	25251310	G/T	0.459	0.459	0.015	0.015	0.321	22.266
rs7628382	PC aa C36:4	3	70641810	A/G	0.443	0.443	0.015	0.015	0.316	22.690

rs28742222	PC aa C36:4	7	40176752	G/T	0.420	0.420	0.014	0.015	0.343	22.104
rs2174239	PC aa C36:4	14	93885496	T/C	0.867	0.133	0.014	0.022	0.529	21.143
rs2096352	PC aa C36:4	10	92439106	T/G	0.418	0.418	0.013	0.015	0.388	22.192
rs11100930	PC aa C36:4	4	147591808	G/A	0.872	0.128	0.013	0.022	0.562	27.384
rs660880	PC aa C36:4	1	6866978	G/A	0.514	0.486	0.013	0.015	0.382	42.910
rs2568712	PC aa C36:4	11	91407305	T/G	0.581	0.419	0.013	0.015	0.393	26.788
rs7812804	PC aa C36:4	8	59791586	C/T	0.240	0.240	0.013	0.018	0.482	20.685
rs963778	PC aa C36:4	14	27009199	A/C	0.244	0.244	0.013	0.017	0.457	20.608
rs72952553	PC aa C36:4	2	217481516	G/A	0.302	0.302	0.012	0.017	0.462	21.726
rs1193333	PC aa C36:4	7	127609301	A/G	0.640	0.360	0.012	0.015	0.414	29.915
rs76218094	PC aa C36:4	2	176215906	A/G	0.092	0.092	0.012	0.026	0.639	25.687
rs2028935	PC aa C36:4	5	19607413	A/C	0.481	0.481	0.011	0.015	0.459	21.883
rs7204652	PC aa C36:4	16	5675613	T/C	0.195	0.195	0.011	0.019	0.575	38.707
rs2439945	PC aa C36:4	17	5124462	C/T	0.195	0.195	0.010	0.019	0.603	22.216
rs6829572	PC aa C36:4	4	93984155	G/A	0.465	0.465	0.010	0.015	0.511	31.349
rs12996547	PC aa C36:4	2	602036	C/T	0.352	0.352	0.010	0.016	0.542	21.351
rs114114265	PC aa C36:4	2	79806712	G/A	0.050	0.050	0.009	0.034	0.791	19.609
rs11772832	PC aa C36:4	7	135073047	T/C	0.402	0.402	0.009	0.015	0.566	26.000
rs9590216	PC aa C36:4	13	95905305	T/C	0.146	0.146	0.008	0.021	0.710	20.505
rs10276580	PC aa C36:4	7	11772539	T/G	0.727	0.273	0.008	0.016	0.635	23.545
rs2222760	PC aa C36:4	2	151345113	G/A	0.277	0.277	0.008	0.017	0.652	36.656
rs62398404	PC aa C36:4	6	37669616	C/T	0.127	0.127	0.008	0.022	0.731	26.526
rs7208329	PC aa C36:4	17	33128801	C/T	0.026	0.026	0.007	0.049	0.881	21.783
rs1370239	PC aa C36:4	16	64291189	A/G	0.566	0.434	0.007	0.015	0.642	24.957
rs13262595	PC aa C36:4	8	143316970	A/G	0.554	0.446	0.007	0.015	0.641	36.221
rs12154057	PC aa C36:4	6	161867419	A/C	0.390	0.390	0.006	0.015	0.712	22.525
rs72973055	PC aa C36:4	19	3353494	G/A	0.204	0.204	0.004	0.019	0.814	28.515
rs9464192	PC aa C36:4	6	54987759	C/T	0.573	0.427	0.003	0.015	0.828	27.538
rs34722489	PC aa C36:4	5	127856954	C/A	0.243	0.243	0.003	0.017	0.876	19.340
rs74629965	PC aa C36:4	6	51185853	T/G	0.071	0.071	0.003	0.029	0.928	28.841
rs1958801	PC aa C36:4	14	98872110	A/G	0.274	0.274	0.003	0.016	0.878	27.583
rs7015	PC aa C36:4	7	97920623	A/G	0.809	0.191	0.002	0.019	0.911	20.665
rs4486004	PC aa C36:4	6	26167710	G/T	0.231	0.231	0.002	0.017	0.912	22.893

rs8073904	PC aa C36:4	17	79095144	G/A	0.859	0.141	0.002	0.023	0.934	24.538
rs2726033	PC aa C36:4	16	28338039	A/G	0.422	0.422	0.002	0.015	0.905	37.449
rs13002164	PC aa C36:4	2	56680788	C/T	0.059	0.059	0.001	0.031	0.965	22.241
rs11039028	PC aa C36:4	11	46944196	G/A	0.233	0.233	0.001	0.017	0.946	23.725
rs28533070	PC aa C36:4	15	97177443	G/A	0.100	0.100	0.001	0.025	0.984	31.584
rs2643174	PC aa C36:4	3	164393607	G/A	0.155	0.155	0.000	0.020	0.993	19.612
rs9317624	PC aa C36:4	13	67506934	C/A	0.440	0.440	0.000	0.016	0.991	27.770
rs136548	PC aa C36:4	22	27253353	C/T	0.375	0.375	0.000	0.015	0.993	33.768
rs12051465	PC aa C36:4	16	49551403	G/T	0.231	0.231	-0.001	0.018	0.943	21.281
rs9829222	PC aa C36:4	3	175671153	C/T	0.238	0.238	-0.002	0.017	0.913	30.981
rs6845321	PC aa C36:4	4	113595869	C/T	0.306	0.306	-0.003	0.016	0.837	19.870
rs742359	PC aa C36:4	1	1715011	C/A	0.268	0.268	-0.004	0.016	0.817	22.904
rs224064	PC aa C36:4	10	64504212	T/C	0.596	0.404	-0.004	0.015	0.791	24.795
rs9372122	PC aa C36:4	6	106742454	G/A	0.437	0.437	-0.006	0.015	0.694	20.350
rs12658015	PC aa C36:4	5	164493306	A/G	0.643	0.357	-0.006	0.015	0.694	36.443
rs1967840	PC aa C36:4	10	112026082	A/G	0.184	0.184	-0.006	0.019	0.732	23.049
rs2678900	PC aa C36:4	2	58177683	T/G	0.428	0.428	-0.009	0.015	0.557	51.716
rs276447	PC aa C36:4	9	15581302	C/T	0.480	0.480	-0.010	0.015	0.513	77.627
rs6897617	PC aa C36:4	5	173301982	G/A	0.288	0.288	-0.010	0.016	0.514	22.000
rs17107024	PC aa C36:4	14	69961658	T/C	0.133	0.133	-0.011	0.022	0.625	23.746
rs57318525	PC aa C36:4	6	104614058	A/C	0.435	0.435	-0.011	0.015	0.485	21.548
rs12588402	PC aa C36:4	14	29738282	A/G	0.577	0.423	-0.011	0.015	0.459	22.932
rs2426605	PC aa C36:4	20	54869080	A/C	0.339	0.339	-0.011	0.015	0.464	21.951
rs62266239	PC aa C36:4	3	116750431	C/T	0.140	0.140	-0.011	0.021	0.595	31.621
rs11023757	PC aa C36:4	11	15902219	T/C	0.254	0.254	-0.012	0.017	0.487	20.241
rs56389750	PC aa C36:4	3	62399917	C/T	0.271	0.271	-0.012	0.017	0.486	31.074
rs10500285	PC aa C36:4	19	42672760	C/T	0.117	0.117	-0.012	0.023	0.596	21.620
rs673696	PC aa C36:4	11	31097262	C/T	0.082	0.082	-0.013	0.026	0.632	31.739
rs9868223	PC aa C36:4	3	81724327	C/T	0.179	0.179	-0.013	0.019	0.503	27.510
rs4936119	PC aa C36:4	11	112486568	C/A	0.264	0.264	-0.013	0.017	0.427	26.834
rs78351874	PC aa C36:4	2	200472560	C/T	0.095	0.095	-0.013	0.026	0.600	26.625
rs11743441	PC aa C36:4	5	88065637	G/T	0.578	0.422	-0.014	0.015	0.331	29.279
rs72759867	PC aa C36:4	1	243578188	T/C	0.104	0.104	-0.015	0.024	0.528	27.249

rs77529617	PC aa C36:4	17	16502271	C/T	0.115	0.115	-0.016	0.023	0.490	31.223
rs10753761	PC aa C36:4	1	167584973	A/G	0.816	0.184	-0.016	0.020	0.410	20.338
rs114210747	PC aa C36:4	5	144214142	C/T	0.081	0.081	-0.016	0.027	0.547	27.954
rs62107261	PC aa C36:4	2	422144	T/C	0.051	0.051	-0.017	0.034	0.627	31.903
rs13147920	PC aa C36:4	4	181245804	C/T	0.390	0.390	-0.018	0.015	0.236	23.379
rs4742644	PC aa C36:4	9	9959413	T/C	0.251	0.251	-0.019	0.017	0.263	22.777
rs2490323	PC aa C36:4	1	65985736	C/T	0.181	0.181	-0.019	0.019	0.314	20.871
rs3000677	PC aa C36:4	13	21298026	G/A	0.840	0.160	-0.020	0.020	0.325	20.978
rs1698114	PC aa C36:4	19	49259854	A/G	0.491	0.491	-0.021	0.016	0.191	33.296
rs141934869	PC aa C36:4	8	27775477	G/T	0.012	0.012	-0.021	0.069	0.759	24.322
rs1458820	PC aa C36:4	4	55990353	G/A	0.937	0.063	-0.022	0.030	0.460	24.169
rs17573452	PC aa C36:4	12	60224839	C/T	0.190	0.190	-0.024	0.018	0.188	27.214
rs9936121	PC aa C36:4	16	76123518	T/G	0.316	0.316	-0.025	0.016	0.111	24.111
rs62469212	PC aa C36:4	7	113934926	C/A	0.467	0.467	-0.025	0.015	0.103	20.048
rs3810818	PC aa C36:4	16	4432029	A/C	0.765	0.235	-0.026	0.017	0.128	26.319
rs11231296	PC aa C36:4	11	62758580	T/C	0.218	0.218	-0.027	0.018	0.133	22.290
rs75210106	PC aa C36:4	2	113246436	C/T	0.172	0.172	-0.027	0.019	0.164	20.244
rs34121855	PC aa C36:4	7	73040814	T/G	0.196	0.196	-0.028	0.018	0.133	38.189
rs138067	PC aa C36:4	22	44227556	A/G	0.428	0.428	-0.032	0.015	0.029	22.798
rs6889815	PC aa C36:4	5	25302404	A/C	0.124	0.124	-0.032	0.022	0.146	19.465
rs79644827	PC aa C36:4	8	84739529	G/A	0.017	0.017	-0.035	0.058	0.544	23.578
rs111299612	PC aa C36:4	18	25461937	G/A	0.034	0.034	-0.036	0.047	0.447	20.795
rs4837943	PC aa C36:4	9	124882085	C/T	0.209	0.209	-0.038	0.019	0.042	19.908
rs141407174	PC aa C36:4	7	103178027	C/T	0.017	0.017	-0.038	0.059	0.522	22.580
rs6960970	PC aa C36:4	7	14207740	T/C	0.803	0.198	-0.042	0.019	0.031	20.913
rs190489703	PC aa C36:4	12	53745262	A/G	0.011	0.011	-0.044	0.074	0.557	20.399
rs17547360	PC aa C36:4	12	30169738	T/C	0.247	0.247	-0.044	0.017	0.009	19.871
rs16926787	PC aa C36:4	9	126506289	G/T	0.081	0.081	-0.048	0.027	0.075	21.298
rs12643496	PC aa C36:4	4	172492327	G/A	0.858	0.143	-0.054	0.021	0.011	23.522
rs74697766	PC aa C36:4	4	105732919	T/C	0.082	0.082	-0.057	0.027	0.036	19.820
rs142036050	PC aa C36:4	14	33729481	T/C	0.017	0.017	-0.096	0.061	0.117	23.457
rs9653713	PC aa C38:3	21	35219643	C/A	0.010	0.010	0.129	0.082	0.114	20.099
rs184406487	PC aa C38:3	1	198791227	C/T	0.028	0.028	0.086	0.045	0.054	20.179

rs114244865	PC aa C38:3	4	129967492	C/T	0.027	0.027	0.068	0.047	0.147	27.605
rs61836106	PC aa C38:3	10	2639003	G/A	0.104	0.104	0.049	0.024	0.042	27.000
rs77431173	PC aa C38:3	7	14742864	T/C	0.029	0.029	0.046	0.044	0.300	27.146
rs141407174	PC aa C38:3	7	103178027	C/T	0.017	0.017	0.046	0.058	0.434	22.580
rs142325173	PC aa C38:3	12	18822872	G/A	0.019	0.019	0.043	0.054	0.422	21.598
rs78621251	PC aa C38:3	18	63348042	A/G	0.034	0.034	0.039	0.041	0.342	28.508
rs74697766	PC aa C38:3	4	105732919	T/C	0.082	0.082	0.032	0.027	0.231	19.820
rs141934869	PC aa C38:3	8	27775477	G/T	0.012	0.012	0.030	0.069	0.667	24.322
rs114210747	PC aa C38:3	5	144214142	C/T	0.081	0.081	0.028	0.027	0.303	27.954
rs11090045	PC aa C38:3	22	41753603	G/A	0.296	0.296	0.028	0.016	0.091	39.113
rs2174239	PC aa C38:3	14	93885496	T/C	0.868	0.133	0.027	0.022	0.211	21.143
rs7199285	PC aa C38:3	16	19980931	C/T	0.183	0.183	0.027	0.019	0.162	22.392
rs7208329	PC aa C38:3	17	33128801	C/T	0.026	0.026	0.025	0.049	0.600	21.783
rs17203687	PC aa C38:3	3	127684748	C/T	0.093	0.093	0.025	0.025	0.315	20.586
rs9868223	PC aa C38:3	3	81724327	C/T	0.178	0.178	0.025	0.019	0.187	27.510
rs3964074	PC aa C38:3	16	74166991	T/C	0.536	0.465	0.024	0.014	0.091	32.094
rs9297663	PC aa C38:3	8	123728686	A/G	0.169	0.169	0.024	0.020	0.214	20.544
rs12494242	PC aa C38:3	3	85413180	T/C	0.319	0.319	0.022	0.016	0.151	19.701
rs114114265	PC aa C38:3	2	79806712	G/A	0.050	0.050	0.022	0.033	0.505	19.609
rs7628382	PC aa C38:3	3	70641810	A/G	0.443	0.443	0.021	0.015	0.145	22.690
rs660880	PC aa C38:3	1	6866978	G/A	0.514	0.486	0.021	0.015	0.142	42.910
rs12996547	PC aa C38:3	2	602036	C/T	0.352	0.352	0.020	0.016	0.196	21.351
rs11231296	PC aa C38:3	11	62758580	T/C	0.218	0.218	0.019	0.018	0.293	22.290
rs3909727	PC aa C38:3	11	126587382	A/G	0.832	0.168	0.018	0.019	0.348	36.536
rs7204652	PC aa C38:3	16	5675613	T/C	0.195	0.195	0.018	0.019	0.347	38.707
rs12355804	PC aa C38:3	10	3535854	C/T	0.072	0.072	0.017	0.028	0.537	24.055
rs62398404	PC aa C38:3	6	37669616	C/T	0.127	0.127	0.017	0.022	0.432	26.526
rs2726033	PC aa C38:3	16	28338039	A/G	0.422	0.422	0.017	0.015	0.261	37.449
rs1967840	PC aa C38:3	10	112026082	A/G	0.184	0.184	0.017	0.019	0.373	23.049
rs13262595	PC aa C38:3	8	143316970	A/G	0.554	0.446	0.016	0.015	0.274	36.221
rs1958801	PC aa C38:3	14	98872110	A/G	0.274	0.274	0.015	0.016	0.352	27.583
rs11100930	PC aa C38:3	4	147591808	G/A	0.872	0.128	0.015	0.022	0.506	27.384
rs72973055	PC aa C38:3	19	3353494	G/A	0.204	0.204	0.014	0.019	0.451	28.515

rs963778	PC aa C38:3	14	27009199	A/C	0.244	0.244	0.014	0.017	0.410	20.608
rs2222760	PC aa C38:3	2	151345113	G/A	0.277	0.277	0.013	0.017	0.418	36.656
rs429358	PC aa C38:3	19	45411941	T/C	0.147	0.147	0.013	0.021	0.546	48.360
rs1193333	PC aa C38:3	7	127609301	A/G	0.640	0.360	0.013	0.015	0.402	29.915
rs12154057	PC aa C38:3	6	161867419	A/C	0.390	0.390	0.012	0.015	0.437	22.525
rs1711171	PC aa C38:3	3	136020541	T/C	0.756	0.244	0.012	0.017	0.488	31.945
rs76218094	PC aa C38:3	2	176215906	A/G	0.092	0.092	0.011	0.026	0.657	25.687
rs6829572	PC aa C38:3	4	93984155	G/A	0.465	0.465	0.010	0.015	0.479	31.349
rs4837943	PC aa C38:3	9	124882085	C/T	0.209	0.209	0.010	0.018	0.576	19.908
rs9372122	PC aa C38:3	6	106742454	G/A	0.437	0.437	0.010	0.015	0.491	20.350
rs9464192	PC aa C38:3	6	54987759	C/T	0.573	0.427	0.010	0.015	0.511	27.538
rs61995216	PC aa C38:3	14	80103620	A/G	0.055	0.055	0.010	0.032	0.769	23.252
rs62107261	PC aa C38:3	2	422144	T/C	0.051	0.051	0.009	0.034	0.791	31.903
rs942038	PC aa C38:3	13	112682875	A/G	0.696	0.304	0.009	0.016	0.579	21.212
rs742359	PC aa C38:3	1	1715011	C/A	0.268	0.268	0.008	0.016	0.620	22.904
rs78351874	PC aa C38:3	2	200472560	C/T	0.095	0.095	0.008	0.025	0.758	26.625
rs2028935	PC aa C38:3	5	19607413	A/C	0.481	0.481	0.007	0.015	0.623	21.883
rs72952553	PC aa C38:3	2	217481516	G/A	0.302	0.302	0.007	0.017	0.678	21.726
rs1504708	PC aa C38:3	11	99252012	A/G	0.481	0.481	0.007	0.015	0.655	20.060
rs13002164	PC aa C38:3	2	56680788	C/T	0.059	0.059	0.006	0.031	0.837	22.241
rs77437455	PC aa C38:3	3	174900715	A/G	0.048	0.048	0.006	0.038	0.867	19.823
rs74629965	PC aa C38:3	6	51185853	T/G	0.071	0.071	0.006	0.028	0.837	28.841
rs11772832	PC aa C38:3	7	135073047	T/C	0.402	0.402	0.005	0.015	0.722	26.000
rs28742222	PC aa C38:3	7	40176752	G/T	0.420	0.420	0.005	0.015	0.726	22.104
rs77529617	PC aa C38:3	17	16502271	C/T	0.115	0.115	0.005	0.023	0.822	31.223
rs6897617	PC aa C38:3	5	173301982	G/A	0.288	0.288	0.004	0.016	0.822	22.000
rs62266118	PC aa C38:3	3	115124821	A/G	0.195	0.195	0.003	0.019	0.889	20.670
rs190489703	PC aa C38:3	12	53745262	A/G	0.011	0.011	0.002	0.074	0.978	20.399
rs2568712	PC aa C38:3	11	91407305	T/G	0.581	0.420	0.002	0.015	0.901	26.788
rs9317624	PC aa C38:3	13	67506934	C/A	0.440	0.440	0.002	0.016	0.908	27.770
rs7812804	PC aa C38:3	8	59791586	C/T	0.240	0.240	0.000	0.018	0.987	20.685
rs9829222	PC aa C38:3	3	175671153	C/T	0.238	0.238	0.000	0.017	0.983	30.981
rs11633261	PC aa C38:3	15	25251310	G/T	0.459	0.459	-0.001	0.015	0.970	22.266

rs2096352	PC aa C38:3	10	92439106	T/G	0.418	0.418	-0.001	0.015	0.956	22.192
rs4936119	PC aa C38:3	11	112486568	C/A	0.265	0.265	-0.001	0.017	0.932	26.834
rs57318525	PC aa C38:3	6	104614058	A/C	0.435	0.435	-0.002	0.015	0.914	21.548
rs12232839	PC aa C38:3	19	34090242	T/G	0.896	0.104	-0.002	0.024	0.939	21.229
rs10500285	PC aa C38:3	19	42672760	C/T	0.117	0.117	-0.002	0.023	0.922	21.620
rs34722489	PC aa C38:3	5	127856954	C/A	0.243	0.243	-0.003	0.017	0.876	19.340
rs11743441	PC aa C38:3	5	88065637	G/T	0.578	0.422	-0.004	0.015	0.797	29.279
rs12643496	PC aa C38:3	4	172492327	G/A	0.858	0.143	-0.004	0.021	0.842	23.522
rs17573452	PC aa C38:3	12	60224839	C/T	0.190	0.190	-0.004	0.018	0.808	27.214
rs56389750	PC aa C38:3	3	62399917	C/T	0.271	0.271	-0.005	0.017	0.772	31.074
rs276447	PC aa C38:3	9	15581302	C/T	0.480	0.480	-0.006	0.015	0.701	77.627
rs4486004	PC aa C38:3	6	26167710	G/T	0.231	0.231	-0.007	0.017	0.698	22.893
rs62169335	PC aa C38:3	2	147946069	C/T	0.547	0.453	-0.007	0.015	0.638	29.062
rs673696	PC aa C38:3	11	31097262	C/T	0.082	0.082	-0.007	0.026	0.781	31.739
rs795437	PC aa C38:3	3	30804170	T/C	0.458	0.458	-0.008	0.015	0.592	20.054
rs11023757	PC aa C38:3	11	15902219	T/C	0.254	0.254	-0.008	0.017	0.620	20.241
rs9590216	PC aa C38:3	13	95905305	T/C	0.146	0.146	-0.008	0.021	0.692	20.505
rs3000677	PC aa C38:3	13	21298026	G/A	0.840	0.160	-0.009	0.020	0.671	20.978
rs7015	PC aa C38:3	7	97920623	A/G	0.809	0.191	-0.009	0.019	0.625	20.665
rs2938609	PC aa C38:3	6	39700434	G/A	0.414	0.414	-0.009	0.015	0.521	21.363
rs2643174	PC aa C38:3	3	164393607	G/A	0.155	0.155	-0.010	0.020	0.618	19.612
rs17547360	PC aa C38:3	12	30169738	T/C	0.247	0.247	-0.011	0.017	0.530	19.871
rs62266239	PC aa C38:3	3	116750431	C/T	0.140	0.140	-0.011	0.021	0.607	31.621
rs6845321	PC aa C38:3	4	113595869	C/T	0.306	0.306	-0.011	0.016	0.477	19.870
rs35783535	PC aa C38:3	2	98623227	G/A	0.381	0.381	-0.012	0.015	0.447	20.573
rs11039028	PC aa C38:3	11	46944196	G/A	0.233	0.233	-0.012	0.017	0.497	23.725
rs1370239	PC aa C38:3	16	64291189	A/G	0.566	0.434	-0.012	0.015	0.414	24.957
rs34121855	PC aa C38:3	7	73040814	T/G	0.196	0.196	-0.012	0.018	0.508	38.189
rs224064	PC aa C38:3	10	64504212	T/C	0.596	0.404	-0.012	0.015	0.412	24.795
rs12588402	PC aa C38:3	14	29738282	A/G	0.577	0.423	-0.013	0.015	0.394	22.932
rs2678900	PC aa C38:3	2	58177683	T/G	0.428	0.428	-0.014	0.015	0.347	51.716
rs12658015	PC aa C38:3	5	164493306	A/G	0.643	0.357	-0.015	0.015	0.334	36.443
rs62469212	PC aa C38:3	7	113934926	C/A	0.467	0.467	-0.015	0.015	0.329	20.048

rs136548	PC aa C38:3	22	27253353	C/T	0.375	0.375	-0.015	0.015	0.310	33.768
rs10276580	PC aa C38:3	7	11772539	T/G	0.727	0.274	-0.016	0.016	0.320	23.545
rs13147920	PC aa C38:3	4	181245804	C/T	0.390	0.390	-0.016	0.015	0.285	23.379
rs3810818	PC aa C38:3	16	4432029	A/C	0.765	0.235	-0.019	0.017	0.259	26.319
rs79644827	PC aa C38:3	8	84739529	G/A	0.017	0.017	-0.019	0.057	0.737	23.578
rs9936121	PC aa C38:3	16	76123518	T/G	0.316	0.316	-0.020	0.016	0.212	24.111
rs6889815	PC aa C38:3	5	25302404	A/C	0.124	0.124	-0.020	0.022	0.366	19.465
rs138067	PC aa C38:3	22	44227556	A/G	0.428	0.428	-0.020	0.015	0.166	22.798
rs2426605	PC aa C38:3	20	54869080	A/C	0.339	0.339	-0.022	0.015	0.151	21.951
rs2490323	PC aa C38:3	1	65985736	C/T	0.181	0.181	-0.022	0.019	0.231	20.871
rs10753761	PC aa C38:3	1	167584973	A/G	0.816	0.184	-0.023	0.020	0.249	20.338
rs12051465	PC aa C38:3	16	49551403	G/T	0.231	0.231	-0.024	0.017	0.167	21.281
rs4742644	PC aa C38:3	9	9959413	T/C	0.251	0.251	-0.024	0.017	0.145	22.777
rs17107024	PC aa C38:3	14	69961658	T/C	0.133	0.133	-0.025	0.022	0.254	23.746
rs72759867	PC aa C38:3	1	243578188	T/C	0.104	0.104	-0.025	0.024	0.305	27.249
rs75210106	PC aa C38:3	2	113246436	C/T	0.172	0.172	-0.025	0.019	0.201	20.244
rs8073904	PC aa C38:3	17	79095144	G/A	0.859	0.141	-0.027	0.022	0.224	24.538
rs16926787	PC aa C38:3	9	126506289	G/T	0.081	0.081	-0.028	0.027	0.302	21.298
rs28533070	PC aa C38:3	15	97177443	G/A	0.100	0.100	-0.031	0.025	0.212	31.584
rs1458820	PC aa C38:3	4	55990353	G/A	0.937	0.063	-0.032	0.030	0.293	24.169
rs1698114	PC aa C38:3	19	49259854	A/G	0.491	0.491	-0.036	0.016	0.022	33.296
rs6960970	PC aa C38:3	7	14207740	T/C	0.803	0.197	-0.038	0.019	0.049	20.913
rs2439945	PC aa C38:3	17	5124462	C/T	0.195	0.195	-0.042	0.019	0.025	22.216
rs111299612	PC aa C38:3	18	25461937	G/A	0.034	0.034	-0.052	0.047	0.268	20.795
rs142036050	PC aa C38:3	14	33729481	T/C	0.017	0.017	-0.057	0.061	0.347	23.457
rs9653713	PC aa C38:4	21	35219643	C/A	0.010	0.010	0.117	0.082	0.151	20.099
rs184406487	PC aa C38:4	1	198791227	C/T	0.028	0.028	0.094	0.045	0.036	20.179
rs114244865	PC aa C38:4	4	129967492	C/T	0.027	0.027	0.064	0.047	0.172	27.605
rs429358	PC aa C38:4	19	45411941	T/C	0.147	0.147	0.061	0.021	0.004	48.360
rs61836106	PC aa C38:4	10	2639003	G/A	0.104	0.104	0.055	0.024	0.024	27.000
rs142325173	PC aa C38:4	12	18822872	G/A	0.019	0.019	0.050	0.054	0.350	21.598
rs12355804	PC aa C38:4	10	3535854	C/T	0.072	0.072	0.041	0.028	0.143	24.055
rs62266118	PC aa C38:4	3	115124821	A/G	0.195	0.195	0.041	0.019	0.030	20.670

rs78621251	PC aa C38:4	18	63348042	A/G	0.034	0.034	0.040	0.041	0.329	28.508
rs61995216	PC aa C38:4	14	80103620	A/G	0.055	0.055	0.037	0.032	0.247	23.252
rs7199285	PC aa C38:4	16	19980931	C/T	0.183	0.183	0.034	0.019	0.077	22.392
rs7208329	PC aa C38:4	17	33128801	C/T	0.026	0.026	0.033	0.049	0.491	21.783
rs942038	PC aa C38:4	13	112682875	A/G	0.696	0.304	0.031	0.016	0.055	21.212
rs11090045	PC aa C38:4	22	41753603	G/A	0.296	0.296	0.031	0.016	0.060	39.113
rs17203687	PC aa C38:4	3	127684748	C/T	0.093	0.093	0.029	0.025	0.256	20.586
rs3909727	PC aa C38:4	11	126587382	A/G	0.832	0.168	0.027	0.019	0.157	36.536
rs1967840	PC aa C38:4	10	112026082	A/G	0.184	0.184	0.025	0.019	0.175	23.049
rs12232839	PC aa C38:4	19	34090242	T/G	0.896	0.104	0.023	0.024	0.327	21.229
rs114114265	PC aa C38:4	2	79806712	G/A	0.050	0.050	0.022	0.033	0.512	19.609
rs660880	PC aa C38:4	1	6866978	G/A	0.514	0.486	0.019	0.015	0.199	42.910
rs12494242	PC aa C38:4	3	85413180	T/C	0.319	0.319	0.019	0.016	0.235	19.701
rs3964074	PC aa C38:4	16	74166991	T/C	0.536	0.465	0.019	0.014	0.199	32.094
rs77431173	PC aa C38:4	7	14742864	T/C	0.029	0.029	0.018	0.044	0.679	27.146
rs1193333	PC aa C38:4	7	127609301	A/G	0.640	0.360	0.018	0.015	0.225	29.915
rs72952553	PC aa C38:4	2	217481516	G/A	0.302	0.302	0.018	0.017	0.284	21.726
rs1504708	PC aa C38:4	11	99252012	A/G	0.481	0.481	0.018	0.014	0.220	20.060
rs795437	PC aa C38:4	3	30804170	T/C	0.458	0.458	0.017	0.015	0.240	20.054
rs13002164	PC aa C38:4	2	56680788	C/T	0.059	0.059	0.017	0.031	0.588	22.241
rs7812804	PC aa C38:4	8	59791586	C/T	0.240	0.240	0.017	0.018	0.346	20.685
rs141934869	PC aa C38:4	8	27775477	G/T	0.012	0.012	0.016	0.069	0.815	24.322
rs9297663	PC aa C38:4	8	123728686	A/G	0.169	0.169	0.015	0.020	0.441	20.544
rs28742222	PC aa C38:4	7	40176752	G/T	0.420	0.420	0.015	0.015	0.310	22.104
rs190489703	PC aa C38:4	12	53745262	A/G	0.011	0.011	0.015	0.074	0.841	20.399
rs35783535	PC aa C38:4	2	98623227	G/A	0.381	0.381	0.013	0.015	0.379	20.573
rs9317624	PC aa C38:4	13	67506934	C/A	0.440	0.440	0.013	0.016	0.391	27.770
rs1711171	PC aa C38:4	3	136020541	T/C	0.756	0.244	0.013	0.017	0.435	31.945
rs963778	PC aa C38:4	14	27009199	A/C	0.244	0.244	0.013	0.017	0.444	20.608
rs8073904	PC aa C38:4	17	79095144	G/A	0.859	0.141	0.013	0.022	0.570	24.538
rs7628382	PC aa C38:4	3	70641810	A/G	0.443	0.443	0.013	0.015	0.396	22.690
rs62169335	PC aa C38:4	2	147946069	C/T	0.547	0.453	0.012	0.015	0.419	29.062
rs6829572	PC aa C38:4	4	93984155	G/A	0.465	0.465	0.012	0.015	0.427	31.349

rs673696	PC aa C38:4	11	31097262	C/T	0.082	0.082	0.011	0.026	0.686	31.739
rs11039028	PC aa C38:4	11	46944196	G/A	0.233	0.233	0.010	0.017	0.549	23.725
rs11772832	PC aa C38:4	7	135073047	T/C	0.402	0.402	0.010	0.015	0.493	26.000
rs2174239	PC aa C38:4	14	93885496	T/C	0.868	0.133	0.010	0.022	0.646	21.143
rs12996547	PC aa C38:4	2	602036	C/T	0.352	0.352	0.009	0.016	0.552	21.351
rs7204652	PC aa C38:4	16	5675613	T/C	0.195	0.195	0.009	0.019	0.622	38.707
rs13262595	PC aa C38:4	8	143316970	A/G	0.554	0.446	0.009	0.015	0.546	36.221
rs2726033	PC aa C38:4	16	28338039	A/G	0.422	0.422	0.008	0.015	0.591	37.449
rs72973055	PC aa C38:4	19	3353494	G/A	0.204	0.204	0.007	0.019	0.693	28.515
rs12154057	PC aa C38:4	6	161867419	A/C	0.390	0.390	0.007	0.015	0.652	22.525
rs10500285	PC aa C38:4	19	42672760	C/T	0.117	0.117	0.006	0.023	0.793	21.620
rs11100930	PC aa C38:4	4	147591808	G/A	0.872	0.128	0.006	0.022	0.799	27.384
rs9590216	PC aa C38:4	13	95905305	T/C	0.146	0.146	0.006	0.021	0.793	20.505
rs2938609	PC aa C38:4	6	39700434	G/A	0.414	0.414	0.005	0.015	0.718	21.363
rs9464192	PC aa C38:4	6	54987759	C/T	0.573	0.427	0.005	0.015	0.754	27.538
rs11633261	PC aa C38:4	15	25251310	G/T	0.459	0.459	0.004	0.015	0.793	22.266
rs224064	PC aa C38:4	10	64504212	T/C	0.596	0.404	0.004	0.015	0.808	24.795
rs77437455	PC aa C38:4	3	174900715	A/G	0.048	0.048	0.002	0.038	0.952	19.823
rs2096352	PC aa C38:4	10	92439106	T/G	0.418	0.418	0.002	0.015	0.886	22.192
rs1370239	PC aa C38:4	16	64291189	A/G	0.566	0.434	0.002	0.015	0.918	24.957
rs2643174	PC aa C38:4	3	164393607	G/A	0.155	0.155	0.000	0.020	0.999	19.612
rs62398404	PC aa C38:4	6	37669616	C/T	0.127	0.127	0.000	0.022	0.987	26.526
rs9829222	PC aa C38:4	3	175671153	C/T	0.238	0.238	0.000	0.017	0.980	30.981
rs136548	PC aa C38:4	22	27253353	C/T	0.375	0.375	-0.001	0.015	0.974	33.768
rs2678900	PC aa C38:4	2	58177683	T/G	0.428	0.428	-0.001	0.015	0.973	51.716
rs1458820	PC aa C38:4	4	55990353	G/A	0.937	0.063	-0.001	0.030	0.979	24.169
rs114210747	PC aa C38:4	5	144214142	C/T	0.081	0.081	-0.001	0.027	0.967	27.954
rs9372122	PC aa C38:4	6	106742454	G/A	0.437	0.437	-0.002	0.015	0.908	20.350
rs74629965	PC aa C38:4	6	51185853	T/G	0.071	0.071	-0.002	0.029	0.938	28.841
rs1958801	PC aa C38:4	14	98872110	A/G	0.274	0.274	-0.003	0.016	0.878	27.583
rs12051465	PC aa C38:4	16	49551403	G/T	0.231	0.231	-0.003	0.018	0.874	21.281
rs12658015	PC aa C38:4	5	164493306	A/G	0.643	0.357	-0.003	0.015	0.856	36.443
rs2222760	PC aa C38:4	2	151345113	G/A	0.277	0.277	-0.003	0.017	0.857	36.656

rs2028935	PC aa C38:4	5	19607413	A/C	0.481	0.481	-0.004	0.015	0.800	21.883
rs2568712	PC aa C38:4	11	91407305	T/G	0.581	0.420	-0.004	0.015	0.797	26.788
rs56389750	PC aa C38:4	3	62399917	C/T	0.271	0.271	-0.004	0.017	0.809	31.074
rs76218094	PC aa C38:4	2	176215906	A/G	0.092	0.092	-0.004	0.026	0.867	25.687
rs4486004	PC aa C38:4	6	26167710	G/T	0.231	0.231	-0.006	0.017	0.725	22.893
rs742359	PC aa C38:4	1	1715011	C/A	0.268	0.268	-0.006	0.016	0.696	22.904
rs17107024	PC aa C38:4	14	69961658	T/C	0.133	0.133	-0.007	0.022	0.738	23.746
rs2439945	PC aa C38:4	17	5124462	C/T	0.195	0.195	-0.007	0.019	0.696	22.216
rs11023757	PC aa C38:4	11	15902219	T/C	0.254	0.254	-0.009	0.016	0.595	20.241
rs2426605	PC aa C38:4	20	54869080	A/C	0.339	0.339	-0.010	0.015	0.537	21.951
rs12588402	PC aa C38:4	14	29738282	A/G	0.577	0.423	-0.010	0.015	0.498	22.932
rs10753761	PC aa C38:4	1	167584973	A/G	0.816	0.184	-0.011	0.020	0.560	20.338
rs34722489	PC aa C38:4	5	127856954	C/A	0.243	0.243	-0.012	0.017	0.489	19.340
rs10276580	PC aa C38:4	7	11772539	T/G	0.727	0.274	-0.013	0.016	0.417	23.545
rs72759867	PC aa C38:4	1	243578188	T/C	0.104	0.104	-0.013	0.024	0.578	27.249
rs57318525	PC aa C38:4	6	104614058	A/C	0.435	0.435	-0.014	0.015	0.357	21.548
rs78351874	PC aa C38:4	2	200472560	C/T	0.095	0.095	-0.014	0.025	0.577	26.625
rs9868223	PC aa C38:4	3	81724327	C/T	0.178	0.178	-0.015	0.019	0.433	27.510
rs79644827	PC aa C38:4	8	84739529	G/A	0.017	0.017	-0.015	0.057	0.795	23.578
rs6897617	PC aa C38:4	5	173301982	G/A	0.288	0.288	-0.015	0.016	0.338	22.000
rs3000677	PC aa C38:4	13	21298026	G/A	0.840	0.160	-0.016	0.020	0.435	20.978
rs11743441	PC aa C38:4	5	88065637	G/T	0.578	0.422	-0.016	0.015	0.283	29.279
rs13147920	PC aa C38:4	4	181245804	C/T	0.390	0.390	-0.016	0.015	0.289	23.379
rs77529617	PC aa C38:4	17	16502271	C/T	0.115	0.115	-0.017	0.023	0.460	31.223
rs4742644	PC aa C38:4	9	9959413	T/C	0.251	0.251	-0.018	0.017	0.280	22.777
rs141407174	PC aa C38:4	7	103178027	C/T	0.017	0.017	-0.018	0.058	0.757	22.580
rs17573452	PC aa C38:4	12	60224839	C/T	0.190	0.190	-0.018	0.018	0.316	27.214
rs276447	PC aa C38:4	9	15581302	C/T	0.480	0.480	-0.018	0.015	0.205	77.627
rs62266239	PC aa C38:4	3	116750431	C/T	0.140	0.140	-0.018	0.021	0.385	31.621
rs28533070	PC aa C38:4	15	97177443	G/A	0.100	0.100	-0.019	0.025	0.440	31.584
rs4936119	PC aa C38:4	11	112486568	C/A	0.265	0.265	-0.021	0.017	0.198	26.834
rs11231296	PC aa C38:4	11	62758580	T/C	0.218	0.218	-0.022	0.018	0.217	22.290
rs16926787	PC aa C38:4	9	126506289	G/T	0.081	0.081	-0.023	0.027	0.398	21.298

rs7015	PC aa C38:4	7	97920623	A/G	0.809	0.191	-0.023	0.019	0.220	20.665
rs62107261	PC aa C38:4	2	422144	T/C	0.051	0.051	-0.025	0.034	0.461	31.903
rs2490323	PC aa C38:4	1	65985736	C/T	0.181	0.181	-0.025	0.019	0.175	20.871
rs34121855	PC aa C38:4	7	73040814	T/G	0.196	0.196	-0.026	0.018	0.165	38.189
rs6889815	PC aa C38:4	5	25302404	A/C	0.124	0.124	-0.026	0.022	0.244	19.465
rs17547360	PC aa C38:4	12	30169738	T/C	0.247	0.247	-0.026	0.017	0.122	19.871
rs1698114	PC aa C38:4	19	49259854	A/G	0.491	0.491	-0.027	0.016	0.083	33.296
rs9936121	PC aa C38:4	16	76123518	T/G	0.316	0.316	-0.027	0.016	0.080	24.111
rs75210106	PC aa C38:4	2	113246436	C/T	0.172	0.172	-0.029	0.019	0.138	20.244
rs3810818	PC aa C38:4	16	4432029	A/C	0.765	0.235	-0.031	0.017	0.072	26.319
rs4837943	PC aa C38:4	9	124882085	C/T	0.209	0.209	-0.031	0.018	0.093	19.908
rs138067	PC aa C38:4	22	44227556	A/G	0.428	0.428	-0.031	0.015	0.033	22.798
rs6960970	PC aa C38:4	7	14207740	T/C	0.803	0.197	-0.032	0.019	0.103	20.913
rs6845321	PC aa C38:4	4	113595869	C/T	0.306	0.306	-0.037	0.016	0.020	19.870
rs12643496	PC aa C38:4	4	172492327	G/A	0.858	0.143	-0.038	0.021	0.073	23.522
rs62469212	PC aa C38:4	7	113934926	C/A	0.467	0.467	-0.041	0.015	0.008	20.048
rs111299612	PC aa C38:4	18	25461937	G/A	0.034	0.034	-0.050	0.047	0.293	20.795
rs74697766	PC aa C38:4	4	105732919	T/C	0.082	0.082	-0.057	0.027	0.036	19.820
rs142036050	PC aa C38:4	14	33729481	T/C	0.017	0.017	-0.077	0.061	0.205	23.457
rs9653713	PC aa C38:6	21	35219643	C/A	0.010	0.010	0.140	0.081	0.083	20.099
rs141934869	PC aa C38:6	8	27775477	G/T	0.012	0.012	0.107	0.068	0.116	24.322
rs61995216	PC aa C38:6	14	80103620	A/G	0.055	0.055	0.092	0.032	0.004	23.252
rs429358	PC aa C38:6	19	45411941	T/C	0.147	0.147	0.085	0.021	0.000	48.360
rs12355804	PC aa C38:6	10	3535854	C/T	0.072	0.072	0.043	0.028	0.125	24.055
rs61836106	PC aa C38:6	10	2639003	G/A	0.104	0.104	0.042	0.024	0.077	27.000
rs28533070	PC aa C38:6	15	97177443	G/A	0.100	0.100	0.036	0.024	0.143	31.584
rs62107261	PC aa C38:6	2	422144	T/C	0.051	0.051	0.032	0.034	0.336	31.903
rs11090045	PC aa C38:6	22	41753603	G/A	0.296	0.296	0.031	0.016	0.052	39.113
rs142325173	PC aa C38:6	12	18822872	G/A	0.019	0.019	0.029	0.053	0.586	21.598
rs17203687	PC aa C38:6	3	127684748	C/T	0.093	0.093	0.028	0.025	0.254	20.586
rs3964074	PC aa C38:6	16	74166991	T/C	0.536	0.465	0.025	0.014	0.079	32.094
rs12996547	PC aa C38:6	2	602036	C/T	0.352	0.352	0.024	0.015	0.116	21.351
rs7208329	PC aa C38:6	17	33128801	C/T	0.026	0.026	0.024	0.048	0.622	21.783

rs9590216	PC aa C38:6	13	95905305	T/C	0.146	0.146	0.023	0.021	0.267	20.505
rs12494242	PC aa C38:6	3	85413180	T/C	0.319	0.319	0.022	0.015	0.162	19.701
rs795437	PC aa C38:6	3	30804170	T/C	0.458	0.458	0.021	0.015	0.152	20.054
rs3000677	PC aa C38:6	13	21298026	G/A	0.840	0.160	0.020	0.020	0.319	20.978
rs7204652	PC aa C38:6	16	5675613	T/C	0.195	0.195	0.020	0.018	0.290	38.707
rs7812804	PC aa C38:6	8	59791586	C/T	0.240	0.240	0.020	0.018	0.268	20.685
rs3909727	PC aa C38:6	11	126587382	A/G	0.832	0.168	0.019	0.019	0.305	36.536
rs62398404	PC aa C38:6	6	37669616	C/T	0.127	0.127	0.019	0.022	0.371	26.526
rs12232839	PC aa C38:6	19	34090242	T/G	0.896	0.104	0.018	0.023	0.447	21.229
rs35783535	PC aa C38:6	2	98623227	G/A	0.381	0.381	0.018	0.015	0.236	20.573
rs2938609	PC aa C38:6	6	39700434	G/A	0.414	0.414	0.017	0.015	0.245	21.363
rs224064	PC aa C38:6	10	64504212	T/C	0.596	0.404	0.016	0.015	0.279	24.795
rs34722489	PC aa C38:6	5	127856954	C/A	0.243	0.243	0.016	0.017	0.347	19.340
rs78351874	PC aa C38:6	2	200472560	C/T	0.095	0.095	0.016	0.025	0.529	26.625
rs1193333	PC aa C38:6	7	127609301	A/G	0.640	0.360	0.015	0.015	0.298	29.915
rs2174239	PC aa C38:6	14	93885496	T/C	0.867	0.133	0.015	0.022	0.474	21.143
rs9317624	PC aa C38:6	13	67506934	C/A	0.440	0.440	0.014	0.015	0.349	27.770
rs1370239	PC aa C38:6	16	64291189	A/G	0.566	0.434	0.012	0.015	0.399	24.957
rs1698114	PC aa C38:6	19	49259854	A/G	0.491	0.491	0.012	0.016	0.444	33.296
rs13147920	PC aa C38:6	4	181245804	C/T	0.390	0.390	0.012	0.015	0.420	23.379
rs6829572	PC aa C38:6	4	93984155	G/A	0.465	0.465	0.011	0.015	0.463	31.349
rs9464192	PC aa C38:6	6	54987759	C/T	0.573	0.427	0.010	0.014	0.505	27.538
rs1967840	PC aa C38:6	10	112026082	A/G	0.184	0.184	0.009	0.018	0.606	23.049
rs963778	PC aa C38:6	14	27009199	A/C	0.244	0.244	0.008	0.017	0.641	20.608
rs4486004	PC aa C38:6	6	26167710	G/T	0.231	0.231	0.007	0.017	0.668	22.893
rs17547360	PC aa C38:6	12	30169738	T/C	0.247	0.247	0.007	0.017	0.670	19.871
rs2568712	PC aa C38:6	11	91407305	T/G	0.581	0.419	0.007	0.015	0.636	26.788
rs1504708	PC aa C38:6	11	99252012	A/G	0.481	0.481	0.006	0.014	0.655	20.060
rs114114265	PC aa C38:6	2	79806712	G/A	0.050	0.050	0.006	0.033	0.854	19.609
rs79644827	PC aa C38:6	8	84739529	G/A	0.017	0.017	0.006	0.057	0.921	23.578
rs11039028	PC aa C38:6	11	46944196	G/A	0.233	0.233	0.006	0.017	0.747	23.725
rs1711171	PC aa C38:6	3	136020541	T/C	0.756	0.244	0.006	0.017	0.741	31.945
rs7199285	PC aa C38:6	16	19980931	C/T	0.183	0.183	0.005	0.019	0.790	22.392

rs7628382	PC aa C38:6	3	70641810	A/G	0.443	0.443	0.005	0.015	0.727	22.690
rs13262595	PC aa C38:6	8	143316970	A/G	0.554	0.446	0.005	0.014	0.744	36.221
rs184406487	PC aa C38:6	1	198791227	C/T	0.028	0.028	0.003	0.044	0.939	20.179
rs136548	PC aa C38:6	22	27253353	C/T	0.375	0.375	0.003	0.015	0.862	33.768
rs2096352	PC aa C38:6	10	92439106	T/G	0.418	0.418	0.003	0.015	0.860	22.192
rs2222760	PC aa C38:6	2	151345113	G/A	0.277	0.277	0.003	0.016	0.874	36.656
rs12588402	PC aa C38:6	14	29738282	A/G	0.577	0.423	0.002	0.015	0.886	22.932
rs12051465	PC aa C38:6	16	49551403	G/T	0.231	0.231	0.002	0.017	0.932	21.281
rs77431173	PC aa C38:6	7	14742864	T/C	0.029	0.029	0.001	0.044	0.982	27.146
rs56389750	PC aa C38:6	3	62399917	C/T	0.271	0.271	0.001	0.016	0.974	31.074
rs16926787	PC aa C38:6	9	126506289	G/T	0.081	0.081	0.000	0.026	0.996	21.298
rs660880	PC aa C38:6	1	6866978	G/A	0.514	0.486	0.000	0.014	0.998	42.910
rs11100930	PC aa C38:6	4	147591808	G/A	0.872	0.128	-0.001	0.022	0.969	27.384
rs62266239	PC aa C38:6	3	116750431	C/T	0.140	0.140	-0.001	0.021	0.967	31.621
rs11772832	PC aa C38:6	7	135073047	T/C	0.402	0.402	-0.002	0.015	0.918	26.000
rs17107024	PC aa C38:6	14	69961658	T/C	0.133	0.133	-0.002	0.021	0.942	23.746
rs62169335	PC aa C38:6	2	147946069	C/T	0.547	0.453	-0.002	0.015	0.915	29.062
rs77529617	PC aa C38:6	17	16502271	C/T	0.115	0.115	-0.002	0.023	0.930	31.223
rs9297663	PC aa C38:6	8	123728686	A/G	0.169	0.169	-0.002	0.019	0.908	20.544
rs2028935	PC aa C38:6	5	19607413	A/C	0.481	0.481	-0.003	0.015	0.850	21.883
rs11633261	PC aa C38:6	15	25251310	G/T	0.459	0.459	-0.003	0.015	0.849	22.266
rs72973055	PC aa C38:6	19	3353494	G/A	0.204	0.204	-0.003	0.018	0.878	28.515
rs10276580	PC aa C38:6	7	11772539	T/G	0.727	0.274	-0.003	0.016	0.844	23.545
rs1958801	PC aa C38:6	14	98872110	A/G	0.274	0.274	-0.004	0.016	0.806	27.583
rs2439945	PC aa C38:6	17	5124462	C/T	0.195	0.195	-0.004	0.019	0.828	22.216
rs2678900	PC aa C38:6	2	58177683	T/G	0.428	0.428	-0.004	0.015	0.783	51.716
rs10753761	PC aa C38:6	1	167584973	A/G	0.816	0.184	-0.004	0.019	0.825	20.338
rs76218094	PC aa C38:6	2	176215906	A/G	0.092	0.092	-0.004	0.025	0.864	25.687
rs4742644	PC aa C38:6	9	9959413	T/C	0.251	0.251	-0.005	0.017	0.779	22.777
rs72952553	PC aa C38:6	2	217481516	G/A	0.302	0.302	-0.005	0.017	0.747	21.726
rs11231296	PC aa C38:6	11	62758580	T/C	0.218	0.218	-0.006	0.018	0.736	22.290
rs4936119	PC aa C38:6	11	112486568	C/A	0.264	0.264	-0.006	0.016	0.718	26.834
rs6897617	PC aa C38:6	5	173301982	G/A	0.288	0.288	-0.007	0.016	0.670	22.000

rs12154057	PC aa C38:6	6	161867419	A/C	0.390	0.390	-0.007	0.015	0.648	22.525
rs28742222	PC aa C38:6	7	40176752	G/T	0.420	0.420	-0.009	0.015	0.550	22.104
rs11743441	PC aa C38:6	5	88065637	G/T	0.578	0.422	-0.009	0.015	0.526	29.279
rs62266118	PC aa C38:6	3	115124821	A/G	0.195	0.195	-0.010	0.019	0.597	20.670
rs6845321	PC aa C38:6	4	113595869	C/T	0.306	0.306	-0.010	0.016	0.514	19.870
rs72759867	PC aa C38:6	1	243578188	T/C	0.104	0.104	-0.010	0.024	0.664	27.249
rs78621251	PC aa C38:6	18	63348042	A/G	0.034	0.034	-0.010	0.040	0.797	28.508
rs74697766	PC aa C38:6	4	105732919	T/C	0.082	0.082	-0.011	0.027	0.684	19.820
rs10500285	PC aa C38:6	19	42672760	C/T	0.117	0.117	-0.011	0.022	0.620	21.620
rs2490323	PC aa C38:6	1	65985736	C/T	0.181	0.181	-0.012	0.018	0.525	20.871
rs8073904	PC aa C38:6	17	79095144	G/A	0.859	0.141	-0.012	0.022	0.599	24.538
rs942038	PC aa C38:6	13	112682875	A/G	0.696	0.304	-0.012	0.016	0.462	21.212
rs114210747	PC aa C38:6	5	144214142	C/T	0.081	0.081	-0.012	0.027	0.645	27.954
rs138067	PC aa C38:6	22	44227556	A/G	0.428	0.428	-0.013	0.014	0.385	22.798
rs57318525	PC aa C38:6	6	104614058	A/C	0.435	0.435	-0.013	0.015	0.389	21.548
rs276447	PC aa C38:6	9	15581302	C/T	0.480	0.480	-0.014	0.014	0.336	77.627
rs74629965	PC aa C38:6	6	51185853	T/G	0.071	0.071	-0.014	0.028	0.621	28.841
rs111299612	PC aa C38:6	18	25461937	G/A	0.034	0.034	-0.014	0.047	0.764	20.795
rs2726033	PC aa C38:6	16	28338039	A/G	0.422	0.422	-0.014	0.015	0.329	37.449
rs12643496	PC aa C38:6	4	172492327	G/A	0.858	0.143	-0.015	0.021	0.484	23.522
rs77437455	PC aa C38:6	3	174900715	A/G	0.048	0.048	-0.015	0.037	0.687	19.823
rs9372122	PC aa C38:6	6	106742454	G/A	0.437	0.437	-0.016	0.015	0.281	20.350
rs9829222	PC aa C38:6	3	175671153	C/T	0.238	0.238	-0.017	0.017	0.316	30.981
rs4837943	PC aa C38:6	9	124882085	C/T	0.209	0.209	-0.019	0.018	0.295	19.908
rs742359	PC aa C38:6	1	1715011	C/A	0.268	0.268	-0.020	0.016	0.227	22.904
rs7015	PC aa C38:6	7	97920623	A/G	0.809	0.191	-0.020	0.018	0.267	20.665
rs11023757	PC aa C38:6	11	15902219	T/C	0.254	0.254	-0.022	0.016	0.187	20.241
rs114244865	PC aa C38:6	4	129967492	C/T	0.027	0.027	-0.022	0.046	0.638	27.605
rs2426605	PC aa C38:6	20	54869080	A/C	0.339	0.339	-0.022	0.015	0.151	21.951
rs6889815	PC aa C38:6	5	25302404	A/C	0.124	0.124	-0.022	0.022	0.314	19.465
rs75210106	PC aa C38:6	2	113246436	C/T	0.172	0.172	-0.022	0.019	0.248	20.244
rs12658015	PC aa C38:6	5	164493306	A/G	0.643	0.357	-0.023	0.015	0.127	36.443
rs9936121	PC aa C38:6	16	76123518	T/G	0.316	0.316	-0.025	0.015	0.110	24.111

rs9868223	PC aa C38:6	3	81724327	C/T	0.178	0.178	-0.025	0.019	0.179	27.510
rs142036050	PC aa C38:6	14	33729481	T/C	0.017	0.017	-0.027	0.060	0.660	23.457
rs2643174	PC aa C38:6	3	164393607	G/A	0.155	0.155	-0.027	0.020	0.175	19.612
rs673696	PC aa C38:6	11	31097262	C/T	0.082	0.082	-0.027	0.026	0.297	31.739
rs1458820	PC aa C38:6	4	55990353	G/A	0.937	0.063	-0.031	0.030	0.300	24.169
rs62469212	PC aa C38:6	7	113934926	C/A	0.467	0.467	-0.032	0.015	0.036	20.048
rs6960970	PC aa C38:6	7	14207740	T/C	0.803	0.197	-0.032	0.019	0.090	20.913
rs17573452	PC aa C38:6	12	60224839	C/T	0.190	0.190	-0.035	0.018	0.053	27.214
rs13002164	PC aa C38:6	2	56680788	C/T	0.059	0.059	-0.040	0.031	0.198	22.241
rs3810818	PC aa C38:6	16	4432029	A/C	0.765	0.235	-0.040	0.017	0.017	26.319
rs141407174	PC aa C38:6	7	103178027	C/T	0.017	0.017	-0.052	0.058	0.370	22.580
rs190489703	PC aa C38:6	12	53745262	A/G	0.011	0.011	-0.054	0.073	0.455	20.399
rs34121855	PC aa C38:6	7	73040814	T/G	0.196	0.196	-0.063	0.018	0.001	38.189
rs141934869	PC aa C40:4	8	27775477	G/T	0.012	0.012	0.085	0.069	0.217	24.322
rs9653713	PC aa C40:4	21	35219643	C/A	0.010	0.010	0.084	0.082	0.304	20.099
rs114244865	PC aa C40:4	4	129967492	C/T	0.027	0.027	0.067	0.047	0.152	27.605
rs429358	PC aa C40:4	19	45411941	T/C	0.147	0.147	0.053	0.021	0.012	48.360
rs7208329	PC aa C40:4	17	33128801	C/T	0.026	0.026	0.047	0.049	0.330	21.783
rs61836106	PC aa C40:4	10	2639003	G/A	0.104	0.104	0.046	0.024	0.055	27.000
rs12355804	PC aa C40:4	10	3535854	C/T	0.072	0.072	0.037	0.028	0.191	24.055
rs12232839	PC aa C40:4	19	34090242	T/G	0.896	0.104	0.032	0.024	0.172	21.229
rs35783535	PC aa C40:4	2	98623227	G/A	0.381	0.381	0.032	0.015	0.034	20.573
rs963778	PC aa C40:4	14	27009199	A/C	0.244	0.244	0.032	0.017	0.059	20.608
rs142325173	PC aa C40:4	12	18822872	G/A	0.019	0.019	0.032	0.054	0.557	21.598
rs9297663	PC aa C40:4	8	123728686	A/G	0.169	0.169	0.029	0.020	0.146	20.544
rs6889815	PC aa C40:4	5	25302404	A/C	0.124	0.124	0.025	0.022	0.254	19.465
rs1958801	PC aa C40:4	14	98872110	A/G	0.274	0.274	0.024	0.016	0.138	27.583
rs3909727	PC aa C40:4	11	126587382	A/G	0.832	0.168	0.024	0.019	0.215	36.536
rs78621251	PC aa C40:4	18	63348042	A/G	0.034	0.034	0.024	0.041	0.561	28.508
rs28742222	PC aa C40:4	7	40176752	G/T	0.420	0.420	0.023	0.015	0.113	22.104
rs78351874	PC aa C40:4	2	200472560	C/T	0.095	0.095	0.023	0.026	0.372	26.625
rs2726033	PC aa C40:4	16	28338039	A/G	0.422	0.422	0.023	0.015	0.131	37.449
rs795437	PC aa C40:4	3	30804170	T/C	0.458	0.458	0.022	0.015	0.135	20.054

rs12996547	PC aa C40:4	2	602036	C/T	0.352	0.352	0.022	0.016	0.162	21.351
rs7199285	PC aa C40:4	16	19980931	C/T	0.183	0.183	0.021	0.020	0.271	22.392
rs2490323	PC aa C40:4	1	65985736	C/T	0.181	0.181	0.021	0.019	0.257	20.871
rs17203687	PC aa C40:4	3	127684748	C/T	0.093	0.093	0.021	0.025	0.412	20.586
rs1193333	PC aa C40:4	7	127609301	A/G	0.640	0.360	0.020	0.015	0.178	29.915
rs1504708	PC aa C40:4	11	99252012	A/G	0.481	0.481	0.019	0.015	0.181	20.060
rs9317624	PC aa C40:4	13	67506934	C/A	0.439	0.439	0.019	0.016	0.232	27.770
rs72952553	PC aa C40:4	2	217481516	G/A	0.302	0.302	0.018	0.017	0.275	21.726
rs114210747	PC aa C40:4	5	144214142	C/T	0.082	0.082	0.017	0.027	0.524	27.954
rs7204652	PC aa C40:4	16	5675613	T/C	0.195	0.195	0.017	0.019	0.375	38.707
rs3964074	PC aa C40:4	16	74166991	T/C	0.535	0.465	0.016	0.015	0.263	32.094
rs77437455	PC aa C40:4	3	174900715	A/G	0.048	0.048	0.016	0.038	0.678	19.823
rs136548	PC aa C40:4	22	27253353	C/T	0.375	0.375	0.015	0.015	0.331	33.768
rs2568712	PC aa C40:4	11	91407305	T/G	0.581	0.419	0.014	0.015	0.341	26.788
rs11090045	PC aa C40:4	22	41753603	G/A	0.296	0.296	0.013	0.016	0.442	39.113
rs7628382	PC aa C40:4	3	70641810	A/G	0.443	0.443	0.012	0.015	0.403	22.690
rs114114265	PC aa C40:4	2	79806712	G/A	0.050	0.050	0.011	0.034	0.743	19.609
rs61995216	PC aa C40:4	14	80103620	A/G	0.055	0.055	0.011	0.032	0.740	23.252
rs2439945	PC aa C40:4	17	5124462	C/T	0.195	0.195	0.011	0.019	0.574	22.216
rs942038	PC aa C40:4	13	112682875	A/G	0.696	0.304	0.010	0.016	0.542	21.212
rs1711171	PC aa C40:4	3	136020541	T/C	0.756	0.244	0.009	0.017	0.596	31.945
rs11633261	PC aa C40:4	15	25251310	G/T	0.459	0.459	0.009	0.015	0.561	22.266
rs12494242	PC aa C40:4	3	85413180	T/C	0.319	0.319	0.009	0.016	0.582	19.701
rs2028935	PC aa C40:4	5	19607413	A/C	0.481	0.481	0.009	0.015	0.563	21.883
rs12588402	PC aa C40:4	14	29738282	A/G	0.577	0.423	0.008	0.015	0.608	22.932
rs4486004	PC aa C40:4	6	26167710	G/T	0.231	0.231	0.007	0.017	0.672	22.893
rs76218094	PC aa C40:4	2	176215906	A/G	0.092	0.092	0.007	0.026	0.782	25.687
rs17573452	PC aa C40:4	12	60224839	C/T	0.190	0.190	0.007	0.018	0.709	27.214
rs224064	PC aa C40:4	10	64504212	T/C	0.596	0.404	0.007	0.015	0.651	24.795
rs34722489	PC aa C40:4	5	127856954	C/A	0.243	0.243	0.006	0.017	0.720	19.340
rs190489703	PC aa C40:4	12	53745262	A/G	0.011	0.011	0.005	0.074	0.943	20.399
rs2096352	PC aa C40:4	10	92439106	T/G	0.418	0.418	0.005	0.015	0.720	22.192
rs2222760	PC aa C40:4	2	151345113	G/A	0.277	0.277	0.005	0.017	0.769	36.656

rs660880	PC aa C40:4	1	6866978	G/A	0.514	0.486	0.005	0.015	0.747	42.910
rs7812804	PC aa C40:4	8	59791586	C/T	0.240	0.240	0.005	0.018	0.791	20.685
rs62266118	PC aa C40:4	3	115124821	A/G	0.195	0.195	0.004	0.019	0.841	20.670
rs9868223	PC aa C40:4	3	81724327	C/T	0.179	0.179	0.003	0.019	0.873	27.510
rs56389750	PC aa C40:4	3	62399917	C/T	0.271	0.271	0.003	0.017	0.870	31.074
rs74629965	PC aa C40:4	6	51185853	T/G	0.071	0.071	0.002	0.029	0.936	28.841
rs2426605	PC aa C40:4	20	54869080	A/C	0.339	0.339	0.002	0.015	0.893	21.951
rs62169335	PC aa C40:4	2	147946069	C/T	0.548	0.453	0.001	0.015	0.964	29.062
rs1967840	PC aa C40:4	10	112026082	A/G	0.184	0.184	0.000	0.019	0.993	23.049
rs11100930	PC aa C40:4	4	147591808	G/A	0.872	0.128	-0.001	0.022	0.983	27.384
rs6897617	PC aa C40:4	5	173301982	G/A	0.288	0.288	-0.001	0.016	0.965	22.000
rs13262595	PC aa C40:4	8	143316970	A/G	0.554	0.446	-0.001	0.015	0.948	36.221
rs11039028	PC aa C40:4	11	46944196	G/A	0.233	0.233	-0.001	0.017	0.954	23.725
rs2678900	PC aa C40:4	2	58177683	T/G	0.428	0.428	-0.002	0.015	0.919	51.716
rs79644827	PC aa C40:4	8	84739529	G/A	0.017	0.017	-0.002	0.058	0.980	23.578
rs12658015	PC aa C40:4	5	164493306	A/G	0.643	0.357	-0.002	0.015	0.913	36.443
rs6829572	PC aa C40:4	4	93984155	G/A	0.465	0.465	-0.002	0.015	0.906	31.349
rs742359	PC aa C40:4	1	1715011	C/A	0.268	0.268	-0.002	0.016	0.910	22.904
rs28533070	PC aa C40:4	15	97177443	G/A	0.100	0.100	-0.003	0.025	0.910	31.584
rs9590216	PC aa C40:4	13	95905305	T/C	0.146	0.146	-0.003	0.021	0.883	20.505
rs673696	PC aa C40:4	11	31097262	C/T	0.082	0.082	-0.004	0.026	0.881	31.739
rs77431173	PC aa C40:4	7	14742864	T/C	0.029	0.029	-0.004	0.044	0.926	27.146
rs2938609	PC aa C40:4	6	39700434	G/A	0.414	0.414	-0.005	0.015	0.748	21.363
rs11743441	PC aa C40:4	5	88065637	G/T	0.578	0.422	-0.006	0.015	0.692	29.279
rs10276580	PC aa C40:4	7	11772539	T/G	0.727	0.273	-0.006	0.016	0.711	23.545
rs62398404	PC aa C40:4	6	37669616	C/T	0.127	0.127	-0.008	0.022	0.712	26.526
rs11231296	PC aa C40:4	11	62758580	T/C	0.218	0.218	-0.009	0.018	0.632	22.290
rs72973055	PC aa C40:4	19	3353494	G/A	0.204	0.204	-0.009	0.019	0.639	28.515
rs9464192	PC aa C40:4	6	54987759	C/T	0.573	0.427	-0.010	0.015	0.506	27.538
rs11772832	PC aa C40:4	7	135073047	T/C	0.402	0.402	-0.010	0.015	0.500	26.000
rs2643174	PC aa C40:4	3	164393607	G/A	0.155	0.155	-0.010	0.020	0.614	19.612
rs7015	PC aa C40:4	7	97920623	A/G	0.809	0.191	-0.011	0.019	0.554	20.665
rs2174239	PC aa C40:4	14	93885496	T/C	0.867	0.133	-0.011	0.022	0.607	21.143

rs9829222	PC aa C40:4	3	175671153	C/T	0.238	0.238	-0.011	0.017	0.518	30.981
rs77529617	PC aa C40:4	17	16502271	C/T	0.115	0.115	-0.011	0.023	0.621	31.223
rs12154057	PC aa C40:4	6	161867419	A/C	0.390	0.390	-0.014	0.015	0.380	22.525
rs3810818	PC aa C40:4	16	4432029	A/C	0.765	0.235	-0.014	0.017	0.424	26.319
rs11023757	PC aa C40:4	11	15902219	T/C	0.254	0.254	-0.014	0.017	0.403	20.241
rs17107024	PC aa C40:4	14	69961658	T/C	0.133	0.133	-0.014	0.022	0.517	23.746
rs10753761	PC aa C40:4	1	167584973	A/G	0.816	0.184	-0.015	0.020	0.443	20.338
rs34121855	PC aa C40:4	7	73040814	T/G	0.196	0.196	-0.015	0.018	0.411	38.189
rs9372122	PC aa C40:4	6	106742454	G/A	0.436	0.436	-0.015	0.015	0.307	20.350
rs12643496	PC aa C40:4	4	172492327	G/A	0.858	0.143	-0.017	0.021	0.416	23.522
rs4742644	PC aa C40:4	9	9959413	T/C	0.251	0.251	-0.017	0.017	0.304	22.777
rs6960970	PC aa C40:4	7	14207740	T/C	0.802	0.198	-0.017	0.019	0.376	20.913
rs9936121	PC aa C40:4	16	76123518	T/G	0.316	0.316	-0.018	0.016	0.257	24.111
rs62469212	PC aa C40:4	7	113934926	C/A	0.467	0.467	-0.019	0.015	0.228	20.048
rs1370239	PC aa C40:4	16	64291189	A/G	0.566	0.434	-0.019	0.015	0.204	24.957
rs10500285	PC aa C40:4	19	42672760	C/T	0.117	0.117	-0.019	0.023	0.395	21.620
rs16926787	PC aa C40:4	9	126506289	G/T	0.081	0.081	-0.019	0.027	0.468	21.298
rs13147920	PC aa C40:4	4	181245804	C/T	0.390	0.390	-0.022	0.015	0.148	23.379
rs276447	PC aa C40:4	9	15581302	C/T	0.480	0.480	-0.022	0.015	0.135	77.627
rs184406487	PC aa C40:4	1	198791227	C/T	0.028	0.028	-0.023	0.045	0.617	20.179
rs57318525	PC aa C40:4	6	104614058	A/C	0.435	0.435	-0.023	0.015	0.132	21.548
rs4837943	PC aa C40:4	9	124882085	C/T	0.209	0.209	-0.023	0.019	0.205	19.908
rs13002164	PC aa C40:4	2	56680788	C/T	0.059	0.059	-0.024	0.031	0.454	22.241
rs17547360	PC aa C40:4	12	30169738	T/C	0.247	0.247	-0.026	0.017	0.124	19.871
rs8073904	PC aa C40:4	17	79095144	G/A	0.859	0.141	-0.028	0.023	0.220	24.538
rs6845321	PC aa C40:4	4	113595869	C/T	0.306	0.306	-0.029	0.016	0.072	19.870
rs4936119	PC aa C40:4	11	112486568	C/A	0.264	0.264	-0.029	0.017	0.079	26.834
rs138067	PC aa C40:4	22	44227556	A/G	0.428	0.428	-0.030	0.015	0.042	22.798
rs141407174	PC aa C40:4	7	103178027	C/T	0.017	0.017	-0.032	0.059	0.587	22.580
rs12051465	PC aa C40:4	16	49551403	G/T	0.231	0.231	-0.035	0.018	0.046	21.281
rs1698114	PC aa C40:4	19	49259854	A/G	0.490	0.490	-0.035	0.016	0.028	33.296
rs72759867	PC aa C40:4	1	243578188	T/C	0.104	0.104	-0.038	0.024	0.116	27.249
rs142036050	PC aa C40:4	14	33729481	T/C	0.017	0.017	-0.040	0.061	0.518	23.457

rs62107261	PC aa C40:4	2	422144	T/C	0.051	0.051	-0.041	0.034	0.226	31.903
rs62266239	PC aa C40:4	3	116750431	C/T	0.139	0.139	-0.044	0.021	0.040	31.621
rs1458820	PC aa C40:4	4	55990353	G/A	0.937	0.063	-0.047	0.030	0.120	24.169
rs75210106	PC aa C40:4	2	113246436	C/T	0.172	0.172	-0.053	0.019	0.007	20.244
rs74697766	PC aa C40:4	4	105732919	T/C	0.082	0.082	-0.058	0.027	0.034	19.820
rs3000677	PC aa C40:4	13	21298026	G/A	0.840	0.160	-0.058	0.020	0.004	20.978
rs111299612	PC aa C40:4	18	25461937	G/A	0.034	0.034	-0.063	0.048	0.184	20.795
rs12355804	PC aa C42:2	10	3535854	C/T	0.071	0.071	0.061	0.029	0.035	24.055
rs78621251	PC aa C42:2	18	63348042	A/G	0.034	0.034	0.058	0.041	0.159	28.508
rs141934869	PC aa C42:2	8	27775477	G/T	0.012	0.012	0.056	0.070	0.422	24.322
rs114114265	PC aa C42:2	2	79806712	G/A	0.050	0.050	0.051	0.034	0.134	19.609
rs16926787	PC aa C42:2	9	126506289	G/T	0.081	0.081	0.042	0.027	0.118	21.298
rs10500285	PC aa C42:2	19	42672760	C/T	0.117	0.117	0.042	0.023	0.069	21.620
rs61836106	PC aa C42:2	10	2639003	G/A	0.103	0.103	0.039	0.025	0.112	27.000
rs2938609	PC aa C42:2	6	39700434	G/A	0.414	0.414	0.035	0.015	0.019	21.363
rs114244865	PC aa C42:2	4	129967492	C/T	0.027	0.027	0.032	0.047	0.500	27.605
rs35783535	PC aa C42:2	2	98623227	G/A	0.381	0.381	0.031	0.015	0.042	20.573
rs429358	PC aa C42:2	19	45411941	T/C	0.147	0.147	0.030	0.021	0.162	48.360
rs62169335	PC aa C42:2	2	147946069	C/T	0.548	0.452	0.026	0.015	0.080	29.062
rs2028935	PC aa C42:2	5	19607413	A/C	0.480	0.480	0.026	0.015	0.080	21.883
rs62266118	PC aa C42:2	3	115124821	A/G	0.194	0.194	0.026	0.019	0.179	20.670
rs660880	PC aa C42:2	1	6866978	G/A	0.514	0.486	0.025	0.015	0.092	42.910
rs1711171	PC aa C42:2	3	136020541	T/C	0.756	0.244	0.025	0.017	0.152	31.945
rs12996547	PC aa C42:2	2	602036	C/T	0.352	0.352	0.025	0.016	0.121	21.351
rs9590216	PC aa C42:2	13	95905305	T/C	0.145	0.145	0.024	0.021	0.267	20.505
rs34121855	PC aa C42:2	7	73040814	T/G	0.196	0.196	0.023	0.019	0.218	38.189
rs61995216	PC aa C42:2	14	80103620	A/G	0.055	0.055	0.022	0.033	0.504	23.252
rs7204652	PC aa C42:2	16	5675613	T/C	0.195	0.195	0.021	0.019	0.256	38.707
rs79644827	PC aa C42:2	8	84739529	G/A	0.017	0.017	0.021	0.058	0.719	23.578
rs17203687	PC aa C42:2	3	127684748	C/T	0.093	0.093	0.021	0.026	0.419	20.586
rs9936121	PC aa C42:2	16	76123518	T/G	0.317	0.317	0.020	0.016	0.200	24.111
rs12154057	PC aa C42:2	6	161867419	A/C	0.390	0.390	0.019	0.016	0.214	22.525
rs2678900	PC aa C42:2	2	58177683	T/G	0.429	0.429	0.019	0.015	0.202	51.716

rs9653713	PC aa C42:2	21	35219643	C/A	0.010	0.010	0.018	0.083	0.832	20.099
rs12051465	PC aa C42:2	16	49551403	G/T	0.232	0.232	0.017	0.018	0.342	21.281
rs1193333	PC aa C42:2	7	127609301	A/G	0.640	0.360	0.017	0.015	0.273	29.915
rs12232839	PC aa C42:2	19	34090242	T/G	0.896	0.104	0.016	0.024	0.505	21.229
rs9317624	PC aa C42:2	13	67506934	C/A	0.439	0.439	0.016	0.016	0.324	27.770
rs114210747	PC aa C42:2	5	144214142	C/T	0.082	0.082	0.015	0.027	0.583	27.954
rs963778	PC aa C42:2	14	27009199	A/C	0.244	0.244	0.013	0.017	0.439	20.608
rs72952553	PC aa C42:2	2	217481516	G/A	0.302	0.302	0.013	0.017	0.440	21.726
rs2439945	PC aa C42:2	17	5124462	C/T	0.195	0.195	0.013	0.019	0.496	22.216
rs28742222	PC aa C42:2	7	40176752	G/T	0.420	0.420	0.012	0.015	0.435	22.104
rs28533070	PC aa C42:2	15	97177443	G/A	0.099	0.099	0.012	0.025	0.645	31.584
rs11090045	PC aa C42:2	22	41753603	G/A	0.295	0.295	0.012	0.017	0.486	39.113
rs11772832	PC aa C42:2	7	135073047	T/C	0.402	0.402	0.011	0.015	0.452	26.000
rs62398404	PC aa C42:2	6	37669616	C/T	0.127	0.127	0.011	0.022	0.630	26.526
rs57318525	PC aa C42:2	6	104614058	A/C	0.435	0.435	0.011	0.015	0.493	21.548
rs7812804	PC aa C42:2	8	59791586	C/T	0.241	0.241	0.011	0.018	0.560	20.685
rs9464192	PC aa C42:2	6	54987759	C/T	0.573	0.427	0.010	0.015	0.509	27.538
rs12588402	PC aa C42:2	14	29738282	A/G	0.577	0.423	0.010	0.015	0.524	22.932
rs11633261	PC aa C42:2	15	25251310	G/T	0.459	0.459	0.009	0.015	0.536	22.266
rs2096352	PC aa C42:2	10	92439106	T/G	0.418	0.418	0.009	0.015	0.568	22.192
rs184406487	PC aa C42:2	1	198791227	C/T	0.029	0.029	0.008	0.045	0.861	20.179
rs11023757	PC aa C42:2	11	15902219	T/C	0.254	0.254	0.008	0.017	0.655	20.241
rs2426605	PC aa C42:2	20	54869080	A/C	0.339	0.339	0.007	0.016	0.635	21.951
rs1504708	PC aa C42:2	11	99252012	A/G	0.481	0.481	0.007	0.015	0.623	20.060
rs2174239	PC aa C42:2	14	93885496	T/C	0.867	0.133	0.006	0.022	0.791	21.143
rs17107024	PC aa C42:2	14	69961658	T/C	0.133	0.133	0.006	0.022	0.800	23.746
rs3000677	PC aa C42:2	13	21298026	G/A	0.840	0.160	0.005	0.020	0.805	20.978
rs224064	PC aa C42:2	10	64504212	T/C	0.595	0.405	0.004	0.015	0.770	24.795
rs56389750	PC aa C42:2	3	62399917	C/T	0.271	0.271	0.004	0.017	0.795	31.074
rs62266239	PC aa C42:2	3	116750431	C/T	0.139	0.139	0.004	0.022	0.850	31.621
rs9297663	PC aa C42:2	8	123728686	A/G	0.169	0.169	0.004	0.020	0.861	20.544
rs6897617	PC aa C42:2	5	173301982	G/A	0.287	0.287	0.003	0.016	0.830	22.000
rs190489703	PC aa C42:2	12	53745262	A/G	0.011	0.011	0.003	0.075	0.967	20.399

rs72973055	PC aa C42:2	19	3353494	G/A	0.204	0.204	0.003	0.019	0.874	28.515
rs6889815	PC aa C42:2	5	25302404	A/C	0.124	0.124	0.003	0.023	0.901	19.465
rs1370239	PC aa C42:2	16	64291189	A/G	0.566	0.434	0.002	0.015	0.881	24.957
rs7199285	PC aa C42:2	16	19980931	C/T	0.183	0.183	0.002	0.020	0.941	22.392
rs1698114	PC aa C42:2	19	49259854	A/G	0.491	0.491	0.001	0.016	0.950	33.296
rs742359	PC aa C42:2	1	1715011	C/A	0.268	0.268	0.000	0.017	0.982	22.904
rs9829222	PC aa C42:2	3	175671153	C/T	0.238	0.238	0.000	0.018	0.993	30.981
rs673696	PC aa C42:2	11	31097262	C/T	0.082	0.082	0.000	0.027	0.988	31.739
rs2726033	PC aa C42:2	16	28338039	A/G	0.422	0.422	-0.001	0.015	0.957	37.449
rs77431173	PC aa C42:2	7	14742864	T/C	0.029	0.029	-0.001	0.045	0.980	27.146
rs75210106	PC aa C42:2	2	113246436	C/T	0.172	0.172	-0.001	0.020	0.946	20.244
rs6829572	PC aa C42:2	4	93984155	G/A	0.466	0.466	-0.002	0.015	0.884	31.349
rs12494242	PC aa C42:2	3	85413180	T/C	0.319	0.319	-0.003	0.016	0.872	19.701
rs34722489	PC aa C42:2	5	127856954	C/A	0.242	0.242	-0.003	0.017	0.842	19.340
rs142325173	PC aa C42:2	12	18822872	G/A	0.019	0.019	-0.004	0.054	0.949	21.598
rs795437	PC aa C42:2	3	30804170	T/C	0.458	0.458	-0.004	0.015	0.805	20.054
rs13002164	PC aa C42:2	2	56680788	C/T	0.059	0.059	-0.004	0.032	0.893	22.241
rs17547360	PC aa C42:2	12	30169738	T/C	0.247	0.247	-0.004	0.017	0.799	19.871
rs3909727	PC aa C42:2	11	126587382	A/G	0.832	0.169	-0.005	0.019	0.802	36.536
rs6960970	PC aa C42:2	7	14207740	T/C	0.802	0.198	-0.005	0.020	0.803	20.913
rs138067	PC aa C42:2	22	44227556	A/G	0.428	0.428	-0.005	0.015	0.714	22.798
rs6845321	PC aa C42:2	4	113595869	C/T	0.306	0.306	-0.006	0.016	0.711	19.870
rs12643496	PC aa C42:2	4	172492327	G/A	0.857	0.143	-0.006	0.021	0.765	23.522
rs11743441	PC aa C42:2	5	88065637	G/T	0.579	0.422	-0.007	0.015	0.650	29.279
rs141407174	PC aa C42:2	7	103178027	C/T	0.017	0.017	-0.007	0.059	0.907	22.580
rs74697766	PC aa C42:2	4	105732919	T/C	0.082	0.082	-0.007	0.027	0.800	19.820
rs77529617	PC aa C42:2	17	16502271	C/T	0.114	0.114	-0.008	0.023	0.748	31.223
rs13262595	PC aa C42:2	8	143316970	A/G	0.554	0.446	-0.008	0.015	0.600	36.221
rs2568712	PC aa C42:2	11	91407305	T/G	0.581	0.419	-0.009	0.015	0.568	26.788
rs62469212	PC aa C42:2	7	113934926	C/A	0.467	0.467	-0.009	0.016	0.559	20.048
rs7628382	PC aa C42:2	3	70641810	A/G	0.443	0.443	-0.009	0.015	0.532	22.690
rs136548	PC aa C42:2	22	27253353	C/T	0.375	0.375	-0.009	0.015	0.536	33.768
rs4742644	PC aa C42:2	9	9959413	T/C	0.250	0.250	-0.010	0.017	0.573	22.777

rs4936119	PC aa C42:2	11	112486568	C/A	0.265	0.265	-0.010	0.017	0.549	26.834
rs3964074	PC aa C42:2	16	74166991	T/C	0.535	0.465	-0.011	0.015	0.462	32.094
rs1967840	PC aa C42:2	10	112026082	A/G	0.184	0.184	-0.011	0.019	0.562	23.049
rs8073904	PC aa C42:2	17	79095144	G/A	0.859	0.141	-0.011	0.023	0.618	24.538
rs11039028	PC aa C42:2	11	46944196	G/A	0.232	0.232	-0.012	0.017	0.510	23.725
rs10753761	PC aa C42:2	1	167584973	A/G	0.817	0.184	-0.012	0.020	0.560	20.338
rs2490323	PC aa C42:2	1	65985736	C/T	0.181	0.181	-0.013	0.019	0.479	20.871
rs11231296	PC aa C42:2	11	62758580	T/C	0.218	0.218	-0.014	0.018	0.422	22.290
rs276447	PC aa C42:2	9	15581302	C/T	0.480	0.480	-0.016	0.015	0.294	77.627
rs1958801	PC aa C42:2	14	98872110	A/G	0.274	0.274	-0.016	0.017	0.340	27.583
rs4486004	PC aa C42:2	6	26167710	G/T	0.231	0.231	-0.016	0.017	0.349	22.893
rs62107261	PC aa C42:2	2	422144	T/C	0.051	0.051	-0.017	0.035	0.620	31.903
rs72759867	PC aa C42:2	1	243578188	T/C	0.105	0.105	-0.018	0.024	0.460	27.249
rs9868223	PC aa C42:2	3	81724327	C/T	0.179	0.179	-0.019	0.019	0.327	27.510
rs2222760	PC aa C42:2	2	151345113	G/A	0.277	0.277	-0.019	0.017	0.263	36.656
rs76218094	PC aa C42:2	2	176215906	A/G	0.091	0.091	-0.019	0.026	0.466	25.687
rs9372122	PC aa C42:2	6	106742454	G/A	0.436	0.436	-0.019	0.015	0.197	20.350
rs13147920	PC aa C42:2	4	181245804	C/T	0.389	0.389	-0.020	0.015	0.199	23.379
rs12658015	PC aa C42:2	5	164493306	A/G	0.644	0.356	-0.020	0.016	0.190	36.443
rs10276580	PC aa C42:2	7	11772539	T/G	0.727	0.273	-0.021	0.016	0.210	23.545
rs7015	PC aa C42:2	7	97920623	A/G	0.809	0.191	-0.021	0.019	0.264	20.665
rs78351874	PC aa C42:2	2	200472560	C/T	0.095	0.095	-0.024	0.026	0.357	26.625
rs4837943	PC aa C42:2	9	124882085	C/T	0.209	0.209	-0.025	0.019	0.189	19.908
rs17573452	PC aa C42:2	12	60224839	C/T	0.189	0.189	-0.028	0.019	0.140	27.214
rs3810818	PC aa C42:2	16	4432029	A/C	0.765	0.235	-0.028	0.017	0.104	26.319
rs7208329	PC aa C42:2	17	33128801	C/T	0.026	0.026	-0.029	0.049	0.555	21.783
rs11100930	PC aa C42:2	4	147591808	G/A	0.872	0.128	-0.030	0.022	0.177	27.384
rs2643174	PC aa C42:2	3	164393607	G/A	0.155	0.155	-0.032	0.020	0.119	19.612
rs142036050	PC aa C42:2	14	33729481	T/C	0.017	0.017	-0.032	0.062	0.601	23.457
rs1458820	PC aa C42:2	4	55990353	G/A	0.937	0.063	-0.033	0.031	0.273	24.169
rs942038	PC aa C42:2	13	112682875	A/G	0.696	0.304	-0.035	0.016	0.035	21.212
rs77437455	PC aa C42:2	3	174900715	A/G	0.048	0.048	-0.057	0.038	0.135	19.823
rs111299612	PC aa C42:2	18	25461937	G/A	0.034	0.034	-0.062	0.048	0.198	20.795

rs74629965	PC aa C42:2	6	51185853	T/G	0.071	0.071	-0.079	0.029	0.006	28.841
rs9653713	PC aa C42:6	21	35219643	C/A	0.010	0.010	0.100	0.084	0.233	20.099
rs142036050	PC aa C42:6	14	33729481	T/C	0.017	0.017	0.077	0.063	0.222	23.457
rs141934869	PC aa C42:6	8	27775477	G/T	0.012	0.012	0.072	0.071	0.305	24.322
rs12232839	PC aa C42:6	19	34090242	T/G	0.895	0.105	0.070	0.024	0.004	21.229
rs429358	PC aa C42:6	19	45411941	T/C	0.147	0.147	0.050	0.022	0.020	48.360
rs114244865	PC aa C42:6	4	129967492	C/T	0.027	0.027	0.039	0.048	0.417	27.605
rs141407174	PC aa C42:6	7	103178027	C/T	0.017	0.017	0.037	0.061	0.537	22.580
rs184406487	PC aa C42:6	1	198791227	C/T	0.028	0.028	0.037	0.046	0.425	20.179
rs2568712	PC aa C42:6	11	91407305	T/G	0.581	0.419	0.033	0.015	0.030	26.788
rs77431173	PC aa C42:6	7	14742864	T/C	0.028	0.028	0.032	0.046	0.479	27.146
rs35783535	PC aa C42:6	2	98623227	G/A	0.381	0.381	0.032	0.016	0.042	20.573
rs61836106	PC aa C42:6	10	2639003	G/A	0.104	0.104	0.031	0.025	0.206	27.000
rs673696	PC aa C42:6	11	31097262	C/T	0.082	0.082	0.030	0.027	0.272	31.739
rs7199285	PC aa C42:6	16	19980931	C/T	0.183	0.183	0.029	0.020	0.149	22.392
rs79644827	PC aa C42:6	8	84739529	G/A	0.018	0.018	0.029	0.059	0.625	23.578
rs9590216	PC aa C42:6	13	95905305	T/C	0.146	0.146	0.029	0.022	0.181	20.505
rs10276580	PC aa C42:6	7	11772539	T/G	0.726	0.274	0.023	0.016	0.168	23.545
rs13262595	PC aa C42:6	8	143316970	A/G	0.554	0.446	0.023	0.015	0.133	36.221
rs1504708	PC aa C42:6	11	99252012	A/G	0.480	0.480	0.023	0.015	0.131	20.060
rs77529617	PC aa C42:6	17	16502271	C/T	0.114	0.114	0.022	0.024	0.342	31.223
rs6960970	PC aa C42:6	7	14207740	T/C	0.803	0.198	0.022	0.020	0.262	20.913
rs62169335	PC aa C42:6	2	147946069	C/T	0.548	0.452	0.020	0.015	0.182	29.062
rs2643174	PC aa C42:6	3	164393607	G/A	0.155	0.155	0.019	0.021	0.350	19.612
rs6897617	PC aa C42:6	5	173301982	G/A	0.288	0.288	0.019	0.016	0.238	22.000
rs795437	PC aa C42:6	3	30804170	T/C	0.458	0.458	0.018	0.015	0.220	20.054
rs7015	PC aa C42:6	7	97920623	A/G	0.808	0.192	0.018	0.019	0.352	20.665
rs76218094	PC aa C42:6	2	176215906	A/G	0.091	0.091	0.018	0.026	0.499	25.687
rs11772832	PC aa C42:6	7	135073047	T/C	0.401	0.401	0.018	0.015	0.242	26.000
rs11633261	PC aa C42:6	15	25251310	G/T	0.459	0.459	0.017	0.015	0.279	22.266
rs150236091	PC aa C42:6	13	55937827	A/G	0.725	0.275	0.017	0.018	0.354	48.553
rs72973055	PC aa C42:6	19	3353494	G/A	0.204	0.204	0.016	0.019	0.402	28.515
rs62266118	PC aa C42:6	3	115124821	A/G	0.194	0.194	0.016	0.019	0.408	20.670

rs62266239	PC aa C42:6	3	116750431	C/T	0.139	0.139	0.016	0.022	0.460	31.621
rs1958801	PC aa C42:6	14	98872110	A/G	0.274	0.274	0.015	0.017	0.360	27.583
rs2938609	PC aa C42:6	6	39700434	G/A	0.414	0.414	0.015	0.015	0.313	21.363
rs78621251	PC aa C42:6	18	63348042	A/G	0.034	0.034	0.014	0.042	0.733	28.508
rs17203687	PC aa C42:6	3	127684748	C/T	0.093	0.093	0.013	0.026	0.612	20.586
rs72759867	PC aa C42:6	1	243578188	T/C	0.104	0.104	0.013	0.025	0.602	27.249
rs8073904	PC aa C42:6	17	79095144	G/A	0.859	0.141	0.013	0.023	0.579	24.538
rs1698114	PC aa C42:6	19	49259854	A/G	0.490	0.490	0.012	0.016	0.465	33.296
rs28533070	PC aa C42:6	15	97177443	G/A	0.100	0.100	0.012	0.025	0.649	31.584
rs9372122	PC aa C42:6	6	106742454	G/A	0.436	0.436	0.011	0.015	0.453	20.350
rs136548	PC aa C42:6	22	27253353	C/T	0.375	0.375	0.011	0.015	0.465	33.768
rs376286858	PC aa C42:6	5	46341390	A/C	0.094	0.094	0.010	0.028	0.725	22.959
rs6845321	PC aa C42:6	4	113595869	C/T	0.306	0.306	0.010	0.016	0.550	19.870
rs2174239	PC aa C42:6	14	93885496	T/C	0.868	0.132	0.009	0.022	0.682	21.143
rs74697766	PC aa C42:6	4	105732919	T/C	0.083	0.083	0.009	0.028	0.755	19.820
rs3909727	PC aa C42:6	11	126587382	A/G	0.832	0.168	0.008	0.020	0.675	36.536
rs28742222	PC aa C42:6	7	40176752	G/T	0.419	0.419	0.008	0.015	0.610	22.104
rs114114265	PC aa C42:6	2	79806712	G/A	0.050	0.050	0.007	0.034	0.831	19.609
rs2439945	PC aa C42:6	17	5124462	C/T	0.195	0.195	0.007	0.019	0.706	22.216
rs12051465	PC aa C42:6	16	49551403	G/T	0.232	0.232	0.007	0.018	0.687	21.281
rs16926787	PC aa C42:6	9	126506289	G/T	0.081	0.081	0.007	0.027	0.799	21.298
rs963778	PC aa C42:6	14	27009199	A/C	0.245	0.245	0.006	0.017	0.712	20.608
rs34121855	PC aa C42:6	7	73040814	T/G	0.196	0.196	0.006	0.019	0.762	38.189
rs1967840	PC aa C42:6	10	112026082	A/G	0.184	0.184	0.006	0.019	0.774	23.049
rs62398404	PC aa C42:6	6	37669616	C/T	0.127	0.127	0.006	0.022	0.806	26.526
rs6829572	PC aa C42:6	4	93984155	G/A	0.466	0.466	0.006	0.015	0.713	31.349
rs12643496	PC aa C42:6	4	172492327	G/A	0.858	0.142	0.005	0.022	0.806	23.522
rs12996547	PC aa C42:6	2	602036	C/T	0.352	0.352	0.005	0.016	0.745	21.351
rs11587743	PC aa C42:6	1	91332883	A/C	0.436	0.436	0.005	0.016	0.763	23.675
rs111299612	PC aa C42:6	18	25461937	G/A	0.034	0.034	0.005	0.049	0.925	20.795
rs12355804	PC aa C42:6	10	3535854	C/T	0.072	0.072	0.004	0.029	0.888	24.055
rs11231296	PC aa C42:6	11	62758580	T/C	0.218	0.218	0.004	0.018	0.840	22.290
rs3964074	PC aa C42:6	16	74166991	T/C	0.535	0.465	0.002	0.015	0.877	32.094

rs11743441	PC aa C42:6	5	88065637	G/T	0.578	0.422	0.002	0.015	0.891	29.279
rs2726033	PC aa C42:6	16	28338039	A/G	0.421	0.421	0.002	0.015	0.891	37.449
rs4742644	PC aa C42:6	9	9959413	T/C	0.252	0.252	0.002	0.017	0.914	22.777
rs79752907	PC aa C42:6	2	237010723	C/T	0.442	0.442	0.000	0.018	1.000	19.952
rs9317624	PC aa C42:6	13	67506934	C/A	0.440	0.440	0.000	0.016	0.992	27.770
rs2096352	PC aa C42:6	10	92439106	T/G	0.419	0.419	-0.001	0.015	0.976	22.192
rs13002164	PC aa C42:6	2	56680788	C/T	0.059	0.059	-0.001	0.032	0.985	22.241
rs56389750	PC aa C42:6	3	62399917	C/T	0.270	0.270	-0.002	0.017	0.924	31.074
rs9297663	PC aa C42:6	8	123728686	A/G	0.169	0.169	-0.003	0.020	0.903	20.544
rs9464192	PC aa C42:6	6	54987759	C/T	0.573	0.427	-0.003	0.015	0.854	27.538
rs2678900	PC aa C42:6	2	58177683	T/G	0.428	0.428	-0.003	0.015	0.848	51.716
rs9868223	PC aa C42:6	3	81724327	C/T	0.178	0.178	-0.003	0.019	0.880	27.510
rs12588402	PC aa C42:6	14	29738282	A/G	0.578	0.422	-0.003	0.015	0.845	22.932
rs61995216	PC aa C42:6	14	80103620	A/G	0.055	0.055	-0.004	0.033	0.909	23.252
rs6889815	PC aa C42:6	5	25302404	A/C	0.124	0.124	-0.004	0.023	0.847	19.465
rs72952553	PC aa C42:6	2	217481516	G/A	0.301	0.301	-0.005	0.017	0.794	21.726
rs3810818	PC aa C42:6	16	4432029	A/C	0.765	0.235	-0.005	0.018	0.763	26.319
rs2222760	PC aa C42:6	2	151345113	G/A	0.277	0.277	-0.006	0.017	0.745	36.656
rs2426605	PC aa C42:6	20	54869080	A/C	0.339	0.339	-0.006	0.016	0.724	21.951
rs1370239	PC aa C42:6	16	64291189	A/G	0.566	0.434	-0.006	0.015	0.685	24.957
rs78351874	PC aa C42:6	2	200472560	C/T	0.095	0.095	-0.006	0.026	0.814	26.625
rs17547360	PC aa C42:6	12	30169738	T/C	0.247	0.247	-0.007	0.017	0.695	19.871
rs12154057	PC aa C42:6	6	161867419	A/C	0.389	0.389	-0.007	0.016	0.651	22.525
rs1711171	PC aa C42:6	3	136020541	T/C	0.756	0.244	-0.007	0.017	0.675	31.945
rs660880	PC aa C42:6	1	6866978	G/A	0.514	0.486	-0.007	0.015	0.617	42.910
rs1193333	PC aa C42:6	7	127609301	A/G	0.639	0.361	-0.009	0.015	0.578	29.915
rs34722489	PC aa C42:6	5	127856954	C/A	0.243	0.243	-0.009	0.017	0.610	19.340
rs200768290	PC aa C42:6	4	106215109	C/T	0.412	0.412	-0.009	0.016	0.571	28.926
rs742359	PC aa C42:6	1	1715011	C/A	0.268	0.268	-0.009	0.017	0.575	22.904
rs7204652	PC aa C42:6	16	5675613	T/C	0.195	0.195	-0.010	0.019	0.606	38.707
rs12658015	PC aa C42:6	5	164493306	A/G	0.643	0.357	-0.010	0.016	0.512	36.443
rs2028935	PC aa C42:6	5	19607413	A/C	0.481	0.481	-0.011	0.015	0.486	21.883
rs11100930	PC aa C42:6	4	147591808	G/A	0.872	0.128	-0.013	0.022	0.572	27.384

rs12494242	PC aa C42:6	3	85413180	T/C	0.319	0.319	-0.013	0.016	0.430	19.701
rs62469212	PC aa C42:6	7	113934926	C/A	0.467	0.467	-0.013	0.016	0.425	20.048
rs2490323	PC aa C42:6	1	65985736	C/T	0.182	0.182	-0.013	0.019	0.483	20.871
rs4486004	PC aa C42:6	6	26167710	G/T	0.232	0.232	-0.014	0.018	0.432	22.893
rs7812804	PC aa C42:6	8	59791586	C/T	0.240	0.240	-0.014	0.018	0.445	20.685
rs13147920	PC aa C42:6	4	181245804	C/T	0.390	0.390	-0.014	0.015	0.352	23.379
rs9829222	PC aa C42:6	3	175671153	C/T	0.238	0.238	-0.015	0.018	0.393	30.981
rs276447	PC aa C42:6	9	15581302	C/T	0.481	0.481	-0.017	0.015	0.269	77.627
rs942038	PC aa C42:6	13	112682875	A/G	0.697	0.303	-0.017	0.017	0.315	21.212
rs1458820	PC aa C42:6	4	55990353	G/A	0.937	0.063	-0.017	0.031	0.587	24.169
rs3000677	PC aa C42:6	13	21298026	G/A	0.840	0.160	-0.017	0.021	0.409	20.978
rs11023757	PC aa C42:6	11	15902219	T/C	0.254	0.254	-0.017	0.017	0.309	20.241
rs57318525	PC aa C42:6	6	104614058	A/C	0.434	0.434	-0.017	0.015	0.260	21.548
rs75210106	PC aa C42:6	2	113246436	C/T	0.172	0.172	-0.018	0.020	0.373	20.244
rs17107024	PC aa C42:6	14	69961658	T/C	0.133	0.133	-0.018	0.022	0.413	23.746
rs9936121	PC aa C42:6	16	76123518	T/G	0.317	0.317	-0.019	0.016	0.238	24.111
rs4837943	PC aa C42:6	9	124882085	C/T	0.209	0.209	-0.021	0.019	0.271	19.908
rs62107261	PC aa C42:6	2	422144	T/C	0.050	0.050	-0.021	0.035	0.551	31.903
rs7628382	PC aa C42:6	3	70641810	A/G	0.442	0.442	-0.022	0.015	0.146	22.690
rs11090045	PC aa C42:6	22	41753603	G/A	0.296	0.296	-0.022	0.017	0.180	39.113
rs224064	PC aa C42:6	10	64504212	T/C	0.596	0.404	-0.024	0.015	0.116	24.795
rs11039028	PC aa C42:6	11	46944196	G/A	0.232	0.232	-0.026	0.018	0.136	23.725
rs7208329	PC aa C42:6	17	33128801	C/T	0.026	0.026	-0.026	0.050	0.599	21.783
rs138067	PC aa C42:6	22	44227556	A/G	0.428	0.428	-0.028	0.015	0.063	22.798
rs74629965	PC aa C42:6	6	51185853	T/G	0.071	0.071	-0.028	0.029	0.335	28.841
rs77437455	PC aa C42:6	3	174900715	A/G	0.048	0.048	-0.030	0.039	0.446	19.823
rs375925212	PC aa C42:6	2	239484652	T/C	0.115	0.115	-0.031	0.027	0.246	20.074
rs10753761	PC aa C42:6	1	167584973	A/G	0.817	0.183	-0.038	0.020	0.058	20.338
rs114210747	PC aa C42:6	5	144214142	C/T	0.081	0.081	-0.039	0.028	0.156	27.954
rs190489703	PC aa C42:6	12	53745262	A/G	0.011	0.011	-0.040	0.076	0.599	20.399
rs17573452	PC aa C42:6	12	60224839	C/T	0.189	0.189	-0.042	0.019	0.024	27.214
rs10500285	PC aa C42:6	19	42672760	C/T	0.117	0.117	-0.042	0.023	0.067	21.620
rs4936119	PC aa C42:6	11	112486568	C/A	0.265	0.265	-0.059	0.017	0.001	26.834

rs142325173	PC aa C42:6	12	18822872	G/A	0.019	0.019	-0.069	0.055	0.208	21.598
rs141934869	PC ae C34:2	8	27775477	G/T	0.012	0.012	0.057	0.068	0.406	24.322
rs76218094	PC ae C34:2	2	176215906	A/G	0.092	0.092	0.051	0.025	0.044	25.687
rs7199285	PC ae C34:2	16	19980931	C/T	0.183	0.183	0.050	0.019	0.009	22.392
rs795437	PC ae C34:2	3	30804170	T/C	0.458	0.458	0.049	0.015	0.001	20.054
rs61836106	PC ae C34:2	10	2639003	G/A	0.104	0.104	0.040	0.024	0.094	27.000
rs190489703	PC ae C34:2	12	53745262	A/G	0.011	0.011	0.039	0.073	0.598	20.399
rs114114265	PC ae C34:2	2	79806712	G/A	0.050	0.050	0.038	0.033	0.256	19.609
rs62266239	PC ae C34:2	3	116750431	C/T	0.140	0.140	0.038	0.021	0.072	31.621
rs11633261	PC ae C34:2	15	25251310	G/T	0.459	0.459	0.035	0.015	0.018	22.266
rs62266118	PC ae C34:2	3	115124821	A/G	0.195	0.195	0.034	0.019	0.070	20.670
rs7208329	PC ae C34:2	17	33128801	C/T	0.026	0.026	0.033	0.048	0.499	21.783
rs28533070	PC ae C34:2	15	97177443	G/A	0.100	0.100	0.032	0.025	0.195	31.584
rs963778	PC ae C34:2	14	27009199	A/C	0.244	0.244	0.030	0.017	0.076	20.608
rs7628382	PC ae C34:2	3	70641810	A/G	0.443	0.443	0.029	0.015	0.048	22.690
rs9372122	PC ae C34:2	6	106742454	G/A	0.437	0.437	0.025	0.015	0.082	20.350
rs429358	PC ae C34:2	19	45411941	T/C	0.147	0.147	0.025	0.021	0.229	48.360
rs6845321	PC ae C34:2	4	113595869	C/T	0.306	0.306	0.023	0.016	0.149	19.870
rs10500285	PC ae C34:2	19	42672760	C/T	0.117	0.117	0.022	0.022	0.320	21.620
rs1193333	PC ae C34:2	7	127609301	A/G	0.640	0.360	0.021	0.015	0.168	29.915
rs3964074	PC ae C34:2	16	74166991	T/C	0.536	0.465	0.019	0.014	0.177	32.094
rs2174239	PC ae C34:2	14	93885496	T/C	0.868	0.133	0.019	0.022	0.370	21.143
rs1458820	PC ae C34:2	4	55990353	G/A	0.937	0.063	0.017	0.030	0.575	24.169
rs3909727	PC ae C34:2	11	126587382	A/G	0.832	0.168	0.016	0.019	0.389	36.536
rs62107261	PC ae C34:2	2	422144	T/C	0.051	0.051	0.016	0.034	0.627	31.903
rs57318525	PC ae C34:2	6	104614058	A/C	0.435	0.435	0.013	0.015	0.391	21.548
rs138067	PC ae C34:2	22	44227556	A/G	0.428	0.428	0.013	0.015	0.389	22.798
rs2568712	PC ae C34:2	11	91407305	T/G	0.581	0.420	0.012	0.015	0.413	26.788
rs11231296	PC ae C34:2	11	62758580	T/C	0.218	0.218	0.012	0.018	0.495	22.290
rs184406487	PC ae C34:2	1	198791227	C/T	0.028	0.028	0.012	0.045	0.787	20.179
rs2028935	PC ae C34:2	5	19607413	A/C	0.481	0.481	0.012	0.015	0.415	21.883
rs1711171	PC ae C34:2	3	136020541	T/C	0.756	0.244	0.011	0.017	0.508	31.945
rs74697766	PC ae C34:2	4	105732919	T/C	0.082	0.082	0.011	0.027	0.682	19.820

rs9653713	PC ae C34:2	21	35219643	C/A	0.010	0.010	0.011	0.081	0.893	20.099
rs136548	PC ae C34:2	22	27253353	C/T	0.375	0.375	0.010	0.015	0.485	33.768
rs2439945	PC ae C34:2	17	5124462	C/T	0.195	0.195	0.010	0.019	0.587	22.216
rs114210747	PC ae C34:2	5	144214142	C/T	0.081	0.081	0.010	0.027	0.708	27.954
rs9317624	PC ae C34:2	13	67506934	C/A	0.440	0.440	0.010	0.015	0.527	27.770
rs2726033	PC ae C34:2	16	28338039	A/G	0.422	0.422	0.009	0.015	0.530	37.449
rs2222760	PC ae C34:2	2	151345113	G/A	0.277	0.277	0.009	0.016	0.583	36.656
rs75210106	PC ae C34:2	2	113246436	C/T	0.172	0.172	0.008	0.019	0.680	20.244
rs11039028	PC ae C34:2	11	46944196	G/A	0.233	0.233	0.008	0.017	0.647	23.725
rs17203687	PC ae C34:2	3	127684748	C/T	0.093	0.093	0.008	0.025	0.759	20.586
rs4486004	PC ae C34:2	6	26167710	G/T	0.231	0.231	0.007	0.017	0.694	22.893
rs942038	PC ae C34:2	13	112682875	A/G	0.696	0.304	0.007	0.016	0.678	21.212
rs17547360	PC ae C34:2	12	30169738	T/C	0.247	0.247	0.006	0.017	0.739	19.871
rs12494242	PC ae C34:2	3	85413180	T/C	0.319	0.319	0.006	0.016	0.723	19.701
rs34722489	PC ae C34:2	5	127856954	C/A	0.243	0.243	0.005	0.017	0.766	19.340
rs9464192	PC ae C34:2	6	54987759	C/T	0.573	0.427	0.004	0.015	0.794	27.538
rs9297663	PC ae C34:2	8	123728686	A/G	0.169	0.169	0.004	0.020	0.855	20.544
rs9590216	PC ae C34:2	13	95905305	T/C	0.146	0.146	0.003	0.021	0.871	20.505
rs9936121	PC ae C34:2	16	76123518	T/G	0.316	0.316	0.003	0.016	0.826	24.111
rs1967840	PC ae C34:2	10	112026082	A/G	0.184	0.184	0.003	0.018	0.879	23.049
rs56389750	PC ae C34:2	3	62399917	C/T	0.271	0.271	0.003	0.016	0.866	31.074
rs72973055	PC ae C34:2	19	3353494	G/A	0.204	0.204	0.003	0.019	0.895	28.515
rs77431173	PC ae C34:2	7	14742864	T/C	0.029	0.029	0.002	0.044	0.957	27.146
rs79644827	PC ae C34:2	8	84739529	G/A	0.017	0.017	0.002	0.057	0.975	23.578
rs9829222	PC ae C34:2	3	175671153	C/T	0.238	0.238	0.001	0.017	0.969	30.981
rs28742222	PC ae C34:2	7	40176752	G/T	0.420	0.420	0.000	0.015	0.981	22.104
rs2096352	PC ae C34:2	10	92439106	T/G	0.418	0.418	0.000	0.015	0.992	22.192
rs12232839	PC ae C34:2	19	34090242	T/G	0.896	0.104	-0.001	0.023	0.978	21.229
rs12051465	PC ae C34:2	16	49551403	G/T	0.231	0.231	-0.001	0.017	0.966	21.281
rs61995216	PC ae C34:2	14	80103620	A/G	0.055	0.055	-0.001	0.032	0.969	23.252
rs11100930	PC ae C34:2	4	147591808	G/A	0.872	0.128	-0.002	0.022	0.942	27.384
rs12996547	PC ae C34:2	2	602036	C/T	0.352	0.352	-0.002	0.015	0.916	21.351
rs4742644	PC ae C34:2	9	9959413	T/C	0.251	0.251	-0.002	0.017	0.903	22.777

rs62469212	PC ae C34:2	7	113934926	C/A	0.467	0.467	-0.002	0.015	0.886	20.048
rs3000677	PC ae C34:2	13	21298026	G/A	0.840	0.160	-0.002	0.020	0.904	20.978
rs35783535	PC ae C34:2	2	98623227	G/A	0.381	0.381	-0.003	0.015	0.845	20.573
rs660880	PC ae C34:2	1	6866978	G/A	0.514	0.486	-0.003	0.014	0.832	42.910
rs6829572	PC ae C34:2	4	93984155	G/A	0.465	0.465	-0.003	0.015	0.830	31.349
rs7015	PC ae C34:2	7	97920623	A/G	0.809	0.191	-0.003	0.018	0.854	20.665
rs10276580	PC ae C34:2	7	11772539	T/G	0.727	0.274	-0.004	0.016	0.824	23.545
rs72952553	PC ae C34:2	2	217481516	G/A	0.302	0.302	-0.004	0.017	0.834	21.726
rs742359	PC ae C34:2	1	1715011	C/A	0.268	0.268	-0.004	0.016	0.797	22.904
rs2938609	PC ae C34:2	6	39700434	G/A	0.414	0.414	-0.005	0.015	0.750	21.363
rs77437455	PC ae C34:2	3	174900715	A/G	0.048	0.048	-0.005	0.037	0.901	19.823
rs1958801	PC ae C34:2	14	98872110	A/G	0.274	0.274	-0.005	0.016	0.768	27.583
rs7204652	PC ae C34:2	16	5675613	T/C	0.195	0.195	-0.005	0.019	0.784	38.707
rs114244865	PC ae C34:2	4	129967492	C/T	0.027	0.027	-0.005	0.046	0.910	27.605
rs11772832	PC ae C34:2	7	135073047	T/C	0.402	0.402	-0.005	0.015	0.719	26.000
rs11090045	PC ae C34:2	22	41753603	G/A	0.296	0.296	-0.005	0.016	0.739	39.113
rs2678900	PC ae C34:2	2	58177683	T/G	0.428	0.428	-0.006	0.015	0.683	51.716
rs8073904	PC ae C34:2	17	79095144	G/A	0.859	0.141	-0.006	0.022	0.781	24.538
rs1504708	PC ae C34:2	11	99252012	A/G	0.481	0.481	-0.006	0.014	0.664	20.060
rs62398404	PC ae C34:2	6	37669616	C/T	0.127	0.127	-0.006	0.022	0.767	26.526
rs6897617	PC ae C34:2	5	173301982	G/A	0.288	0.288	-0.007	0.016	0.679	22.000
rs11743441	PC ae C34:2	5	88065637	G/T	0.578	0.422	-0.007	0.015	0.646	29.279
rs673696	PC ae C34:2	11	31097262	C/T	0.082	0.082	-0.007	0.026	0.792	31.739
rs12154057	PC ae C34:2	6	161867419	A/C	0.390	0.390	-0.007	0.015	0.646	22.525
rs276447	PC ae C34:2	9	15581302	C/T	0.480	0.480	-0.007	0.014	0.629	77.627
rs17107024	PC ae C34:2	14	69961658	T/C	0.133	0.133	-0.007	0.021	0.733	23.746
rs12658015	PC ae C34:2	5	164493306	A/G	0.643	0.357	-0.008	0.015	0.595	36.443
rs78351874	PC ae C34:2	2	200472560	C/T	0.095	0.095	-0.009	0.025	0.735	26.625
rs62169335	PC ae C34:2	2	147946069	C/T	0.547	0.453	-0.010	0.015	0.499	29.062
rs1370239	PC ae C34:2	16	64291189	A/G	0.566	0.434	-0.011	0.015	0.462	24.957
rs13002164	PC ae C34:2	2	56680788	C/T	0.059	0.059	-0.011	0.031	0.720	22.241
rs224064	PC ae C34:2	10	64504212	T/C	0.596	0.404	-0.012	0.015	0.437	24.795
rs2490323	PC ae C34:2	1	65985736	C/T	0.181	0.181	-0.012	0.019	0.520	20.871

rs12355804	PC ae C34:2	10	3535854	C/T	0.072	0.072	-0.012	0.028	0.658	24.055
rs4936119	PC ae C34:2	11	112486568	C/A	0.265	0.265	-0.013	0.017	0.436	26.834
rs34121855	PC ae C34:2	7	73040814	T/G	0.196	0.196	-0.014	0.018	0.450	38.189
rs13262595	PC ae C34:2	8	143316970	A/G	0.554	0.446	-0.015	0.015	0.313	36.221
rs74629965	PC ae C34:2	6	51185853	T/G	0.071	0.071	-0.016	0.028	0.566	28.841
rs2426605	PC ae C34:2	20	54869080	A/C	0.339	0.339	-0.016	0.015	0.284	21.951
rs9868223	PC ae C34:2	3	81724327	C/T	0.178	0.178	-0.016	0.019	0.377	27.510
rs3810818	PC ae C34:2	16	4432029	A/C	0.765	0.235	-0.017	0.017	0.309	26.319
rs72759867	PC ae C34:2	1	243578188	T/C	0.104	0.104	-0.017	0.024	0.468	27.249
rs1698114	PC ae C34:2	19	49259854	A/G	0.491	0.491	-0.018	0.016	0.266	33.296
rs7812804	PC ae C34:2	8	59791586	C/T	0.240	0.240	-0.018	0.018	0.320	20.685
rs142325173	PC ae C34:2	12	18822872	G/A	0.019	0.019	-0.018	0.053	0.740	21.598
rs12588402	PC ae C34:2	14	29738282	A/G	0.577	0.423	-0.019	0.015	0.201	22.932
rs13147920	PC ae C34:2	4	181245804	C/T	0.390	0.390	-0.020	0.015	0.181	23.379
rs12643496	PC ae C34:2	4	172492327	G/A	0.858	0.143	-0.023	0.021	0.269	23.522
rs11023757	PC ae C34:2	11	15902219	T/C	0.254	0.254	-0.025	0.016	0.134	20.241
rs2643174	PC ae C34:2	3	164393607	G/A	0.155	0.155	-0.027	0.020	0.181	19.612
rs6960970	PC ae C34:2	7	14207740	T/C	0.803	0.197	-0.027	0.019	0.155	20.913
rs16926787	PC ae C34:2	9	126506289	G/T	0.081	0.081	-0.032	0.027	0.231	21.298
rs4837943	PC ae C34:2	9	124882085	C/T	0.209	0.209	-0.034	0.018	0.060	19.908
rs17573452	PC ae C34:2	12	60224839	C/T	0.190	0.190	-0.036	0.018	0.046	27.214
rs10753761	PC ae C34:2	1	167584973	A/G	0.816	0.184	-0.042	0.019	0.031	20.338
rs142036050	PC ae C34:2	14	33729481	T/C	0.017	0.017	-0.043	0.061	0.474	23.457
rs78621251	PC ae C34:2	18	63348042	A/G	0.034	0.034	-0.044	0.041	0.277	28.508
rs111299612	PC ae C34:2	18	25461937	G/A	0.034	0.034	-0.050	0.047	0.285	20.795
rs77529617	PC ae C34:2	17	16502271	C/T	0.115	0.115	-0.055	0.023	0.016	31.223
rs6889815	PC ae C34:2	5	25302404	A/C	0.124	0.124	-0.058	0.022	0.009	19.465
rs141407174	PC ae C34:2	7	103178027	C/T	0.017	0.017	-0.058	0.058	0.316	22.580
rs9653713	PC ae C36:2	21	35219643	C/A	0.010	0.010	0.089	0.081	0.269	20.099
rs429358	PC ae C36:2	19	45411941	T/C	0.147	0.147	0.069	0.021	0.001	48.360
rs7199285	PC ae C36:2	16	19980931	C/T	0.183	0.183	0.059	0.019	0.002	22.392
rs61836106	PC ae C36:2	10	2639003	G/A	0.104	0.104	0.058	0.024	0.016	27.000
rs77431173	PC ae C36:2	7	14742864	T/C	0.029	0.029	0.055	0.044	0.206	27.146

rs7208329	PC ae C36:2	17	33128801	C/T	0.026	0.026	0.054	0.048	0.258	21.783
rs2174239	PC ae C36:2	14	93885496	T/C	0.868	0.133	0.050	0.022	0.021	21.143
rs114114265	PC ae C36:2	2	79806712	G/A	0.050	0.050	0.045	0.033	0.175	19.609
rs795437	PC ae C36:2	3	30804170	T/C	0.458	0.458	0.043	0.015	0.003	20.054
rs62266118	PC ae C36:2	3	115124821	A/G	0.195	0.195	0.035	0.019	0.059	20.670
rs3964074	PC ae C36:2	16	74166991	T/C	0.536	0.465	0.031	0.014	0.029	32.094
rs12355804	PC ae C36:2	10	3535854	C/T	0.072	0.072	0.026	0.028	0.355	24.055
rs79644827	PC ae C36:2	8	84739529	G/A	0.017	0.017	0.025	0.057	0.655	23.578
rs28533070	PC ae C36:2	15	97177443	G/A	0.100	0.100	0.024	0.025	0.333	31.584
rs76218094	PC ae C36:2	2	176215906	A/G	0.092	0.092	0.023	0.025	0.355	25.687
rs11633261	PC ae C36:2	15	25251310	G/T	0.459	0.459	0.023	0.015	0.122	22.266
rs142036050	PC ae C36:2	14	33729481	T/C	0.017	0.017	0.021	0.060	0.732	23.457
rs61995216	PC ae C36:2	14	80103620	A/G	0.055	0.055	0.019	0.032	0.560	23.252
rs1711171	PC ae C36:2	3	136020541	T/C	0.756	0.244	0.017	0.017	0.305	31.945
rs9590216	PC ae C36:2	13	95905305	T/C	0.146	0.146	0.017	0.021	0.419	20.505
rs62266239	PC ae C36:2	3	116750431	C/T	0.140	0.140	0.016	0.021	0.451	31.621
rs136548	PC ae C36:2	22	27253353	C/T	0.375	0.375	0.015	0.015	0.309	33.768
rs8073904	PC ae C36:2	17	79095144	G/A	0.859	0.141	0.015	0.022	0.498	24.538
rs7204652	PC ae C36:2	16	5675613	T/C	0.195	0.195	0.015	0.018	0.417	38.707
rs141934869	PC ae C36:2	8	27775477	G/T	0.012	0.012	0.014	0.068	0.835	24.322
rs28742222	PC ae C36:2	7	40176752	G/T	0.420	0.420	0.014	0.015	0.347	22.104
rs1458820	PC ae C36:2	4	55990353	G/A	0.937	0.063	0.013	0.030	0.655	24.169
rs10500285	PC ae C36:2	19	42672760	C/T	0.117	0.117	0.013	0.022	0.571	21.620
rs963778	PC ae C36:2	14	27009199	A/C	0.244	0.244	0.013	0.017	0.446	20.608
rs6845321	PC ae C36:2	4	113595869	C/T	0.306	0.306	0.013	0.016	0.421	19.870
rs11039028	PC ae C36:2	11	46944196	G/A	0.233	0.233	0.012	0.017	0.466	23.725
rs17203687	PC ae C36:2	3	127684748	C/T	0.093	0.093	0.012	0.025	0.625	20.586
rs11231296	PC ae C36:2	11	62758580	T/C	0.218	0.218	0.012	0.018	0.502	22.290
rs184406487	PC ae C36:2	1	198791227	C/T	0.028	0.028	0.011	0.044	0.801	20.179
rs62107261	PC ae C36:2	2	422144	T/C	0.051	0.051	0.011	0.034	0.740	31.903
rs11100930	PC ae C36:2	4	147591808	G/A	0.872	0.128	0.011	0.022	0.618	27.384
rs190489703	PC ae C36:2	12	53745262	A/G	0.011	0.011	0.010	0.073	0.886	20.399
rs17547360	PC ae C36:2	12	30169738	T/C	0.247	0.247	0.010	0.017	0.549	19.871

rs1193333	PC ae C36:2	7	127609301	A/G	0.640	0.360	0.010	0.015	0.522	29.915
rs4742644	PC ae C36:2	9	9959413	T/C	0.251	0.251	0.009	0.017	0.576	22.777
rs75210106	PC ae C36:2	2	113246436	C/T	0.172	0.172	0.008	0.019	0.662	20.244
rs62398404	PC ae C36:2	6	37669616	C/T	0.127	0.127	0.008	0.022	0.726	26.526
rs9317624	PC ae C36:2	13	67506934	C/A	0.440	0.440	0.007	0.015	0.642	27.770
rs9372122	PC ae C36:2	6	106742454	G/A	0.437	0.437	0.007	0.015	0.651	20.350
rs13002164	PC ae C36:2	2	56680788	C/T	0.059	0.059	0.007	0.031	0.834	22.241
rs138067	PC ae C36:2	22	44227556	A/G	0.428	0.428	0.007	0.015	0.653	22.798
rs2568712	PC ae C36:2	11	91407305	T/G	0.581	0.420	0.006	0.015	0.681	26.788
rs2222760	PC ae C36:2	2	151345113	G/A	0.277	0.277	0.006	0.016	0.729	36.656
rs2726033	PC ae C36:2	16	28338039	A/G	0.422	0.422	0.005	0.015	0.724	37.449
rs11090045	PC ae C36:2	22	41753603	G/A	0.296	0.296	0.005	0.016	0.752	39.113
rs1967840	PC ae C36:2	10	112026082	A/G	0.184	0.184	0.005	0.018	0.793	23.049
rs7628382	PC ae C36:2	3	70641810	A/G	0.443	0.443	0.004	0.015	0.767	22.690
rs72973055	PC ae C36:2	19	3353494	G/A	0.204	0.204	0.004	0.019	0.839	28.515
rs114210747	PC ae C36:2	5	144214142	C/T	0.081	0.081	0.004	0.027	0.893	27.954
rs2678900	PC ae C36:2	2	58177683	T/G	0.428	0.428	0.003	0.015	0.855	51.716
rs11772832	PC ae C36:2	7	135073047	T/C	0.402	0.402	0.002	0.015	0.879	26.000
rs57318525	PC ae C36:2	6	104614058	A/C	0.435	0.435	0.002	0.015	0.883	21.548
rs12232839	PC ae C36:2	19	34090242	T/G	0.896	0.104	0.002	0.023	0.937	21.229
rs12154057	PC ae C36:2	6	161867419	A/C	0.390	0.390	0.001	0.015	0.927	22.525
rs2096352	PC ae C36:2	10	92439106	T/G	0.418	0.418	0.001	0.015	0.933	22.192
rs2938609	PC ae C36:2	6	39700434	G/A	0.414	0.414	0.001	0.015	0.943	21.363
rs34722489	PC ae C36:2	5	127856954	C/A	0.243	0.243	0.001	0.017	0.957	19.340
rs6829572	PC ae C36:2	4	93984155	G/A	0.465	0.465	0.001	0.015	0.958	31.349
rs1504708	PC ae C36:2	11	99252012	A/G	0.481	0.481	0.001	0.014	0.960	20.060
rs13262595	PC ae C36:2	8	143316970	A/G	0.554	0.446	0.000	0.014	0.998	36.221
rs9297663	PC ae C36:2	8	123728686	A/G	0.169	0.169	0.000	0.019	0.992	20.544
rs10276580	PC ae C36:2	7	11772539	T/G	0.727	0.274	-0.001	0.016	0.976	23.545
rs62469212	PC ae C36:2	7	113934926	C/A	0.467	0.467	-0.001	0.015	0.938	20.048
rs9868223	PC ae C36:2	3	81724327	C/T	0.178	0.178	-0.001	0.019	0.940	27.510
rs2490323	PC ae C36:2	1	65985736	C/T	0.181	0.181	-0.002	0.019	0.916	20.871
rs17107024	PC ae C36:2	14	69961658	T/C	0.133	0.133	-0.002	0.021	0.914	23.746

rs9464192	PC ae C36:2	6	54987759	C/T	0.573	0.427	-0.003	0.014	0.851	27.538
rs12494242	PC ae C36:2	3	85413180	T/C	0.319	0.319	-0.003	0.016	0.830	19.701
rs7015	PC ae C36:2	7	97920623	A/G	0.809	0.191	-0.004	0.018	0.826	20.665
rs78351874	PC ae C36:2	2	200472560	C/T	0.095	0.095	-0.004	0.025	0.868	26.625
rs74697766	PC ae C36:2	4	105732919	T/C	0.082	0.082	-0.004	0.027	0.868	19.820
rs62169335	PC ae C36:2	2	147946069	C/T	0.547	0.453	-0.005	0.015	0.753	29.062
rs1370239	PC ae C36:2	16	64291189	A/G	0.566	0.434	-0.005	0.015	0.732	24.957
rs12051465	PC ae C36:2	16	49551403	G/T	0.231	0.231	-0.005	0.017	0.754	21.281
rs12996547	PC ae C36:2	2	602036	C/T	0.352	0.352	-0.006	0.015	0.708	21.351
rs3000677	PC ae C36:2	13	21298026	G/A	0.840	0.160	-0.006	0.020	0.769	20.978
rs11743441	PC ae C36:2	5	88065637	G/T	0.578	0.422	-0.007	0.015	0.652	29.279
rs4486004	PC ae C36:2	6	26167710	G/T	0.231	0.231	-0.007	0.017	0.673	22.893
rs660880	PC ae C36:2	1	6866978	G/A	0.514	0.486	-0.008	0.014	0.595	42.910
rs9829222	PC ae C36:2	3	175671153	C/T	0.238	0.238	-0.008	0.017	0.656	30.981
rs2643174	PC ae C36:2	3	164393607	G/A	0.155	0.155	-0.008	0.020	0.699	19.612
rs6897617	PC ae C36:2	5	173301982	G/A	0.288	0.288	-0.008	0.016	0.612	22.000
rs72952553	PC ae C36:2	2	217481516	G/A	0.302	0.302	-0.008	0.017	0.616	21.726
rs9936121	PC ae C36:2	16	76123518	T/G	0.316	0.316	-0.009	0.016	0.578	24.111
rs4837943	PC ae C36:2	9	124882085	C/T	0.209	0.209	-0.009	0.018	0.620	19.908
rs1958801	PC ae C36:2	14	98872110	A/G	0.274	0.274	-0.009	0.016	0.569	27.583
rs224064	PC ae C36:2	10	64504212	T/C	0.596	0.404	-0.010	0.015	0.519	24.795
rs12658015	PC ae C36:2	5	164493306	A/G	0.643	0.357	-0.010	0.015	0.521	36.443
rs2439945	PC ae C36:2	17	5124462	C/T	0.195	0.195	-0.010	0.019	0.581	22.216
rs56389750	PC ae C36:2	3	62399917	C/T	0.271	0.271	-0.011	0.016	0.511	31.074
rs1698114	PC ae C36:2	19	49259854	A/G	0.491	0.491	-0.011	0.016	0.489	33.296
rs142325173	PC ae C36:2	12	18822872	G/A	0.019	0.019	-0.012	0.053	0.826	21.598
rs942038	PC ae C36:2	13	112682875	A/G	0.696	0.304	-0.012	0.016	0.454	21.212
rs2426605	PC ae C36:2	20	54869080	A/C	0.339	0.339	-0.012	0.015	0.414	21.951
rs13147920	PC ae C36:2	4	181245804	C/T	0.390	0.390	-0.013	0.015	0.388	23.379
rs2028935	PC ae C36:2	5	19607413	A/C	0.481	0.481	-0.015	0.015	0.321	21.883
rs742359	PC ae C36:2	1	1715011	C/A	0.268	0.268	-0.015	0.016	0.362	22.904
rs276447	PC ae C36:2	9	15581302	C/T	0.480	0.480	-0.015	0.014	0.301	77.627
rs7812804	PC ae C36:2	8	59791586	C/T	0.240	0.240	-0.015	0.018	0.397	20.685

rs141407174	PC ae C36:2	7	103178027	C/T	0.017	0.017	-0.016	0.058	0.787	22.580
rs12588402	PC ae C36:2	14	29738282	A/G	0.577	0.423	-0.017	0.015	0.253	22.932
rs35783535	PC ae C36:2	2	98623227	G/A	0.381	0.381	-0.017	0.015	0.259	20.573
rs72759867	PC ae C36:2	1	243578188	T/C	0.104	0.104	-0.017	0.024	0.466	27.249
rs3909727	PC ae C36:2	11	126587382	A/G	0.832	0.168	-0.021	0.019	0.278	36.536
rs114244865	PC ae C36:2	4	129967492	C/T	0.027	0.027	-0.021	0.046	0.653	27.605
rs17573452	PC ae C36:2	12	60224839	C/T	0.190	0.190	-0.022	0.018	0.224	27.214
rs3810818	PC ae C36:2	16	4432029	A/C	0.765	0.235	-0.023	0.017	0.180	26.319
rs11023757	PC ae C36:2	11	15902219	T/C	0.254	0.254	-0.023	0.016	0.162	20.241
rs673696	PC ae C36:2	11	31097262	C/T	0.082	0.082	-0.026	0.026	0.318	31.739
rs6960970	PC ae C36:2	7	14207740	T/C	0.803	0.197	-0.026	0.019	0.175	20.913
rs4936119	PC ae C36:2	11	112486568	C/A	0.265	0.265	-0.026	0.017	0.113	26.834
rs10753761	PC ae C36:2	1	167584973	A/G	0.816	0.184	-0.029	0.019	0.131	20.338
rs111299612	PC ae C36:2	18	25461937	G/A	0.034	0.034	-0.030	0.047	0.515	20.795
rs12643496	PC ae C36:2	4	172492327	G/A	0.858	0.143	-0.031	0.021	0.144	23.522
rs74629965	PC ae C36:2	6	51185853	T/G	0.071	0.071	-0.032	0.028	0.257	28.841
rs34121855	PC ae C36:2	7	73040814	T/G	0.196	0.196	-0.037	0.018	0.039	38.189
rs77529617	PC ae C36:2	17	16502271	C/T	0.115	0.115	-0.040	0.023	0.082	31.223
rs77437455	PC ae C36:2	3	174900715	A/G	0.048	0.048	-0.053	0.037	0.159	19.823
rs78621251	PC ae C36:2	18	63348042	A/G	0.034	0.034	-0.059	0.040	0.147	28.508
rs6889815	PC ae C36:2	5	25302404	A/C	0.124	0.124	-0.066	0.022	0.003	19.465
rs16926787	PC ae C36:2	9	126506289	G/T	0.081	0.081	-0.067	0.027	0.011	21.298
rs429358	PC ae C40:5	19	45411941	T/C	0.147	0.147	0.084	0.021	0.000	48.360
rs142325173	PC ae C40:5	12	18822872	G/A	0.019	0.019	0.065	0.054	0.224	21.598
rs184406487	PC ae C40:5	1	198791227	C/T	0.028	0.028	0.061	0.045	0.171	20.179
rs9653713	PC ae C40:5	21	35219643	C/A	0.010	0.010	0.059	0.082	0.469	20.099
rs61836106	PC ae C40:5	10	2639003	G/A	0.104	0.104	0.056	0.024	0.021	27.000
rs12355804	PC ae C40:5	10	3535854	C/T	0.072	0.072	0.050	0.028	0.075	24.055
rs114244865	PC ae C40:5	4	129967492	C/T	0.027	0.027	0.049	0.047	0.293	27.605
rs7208329	PC ae C40:5	17	33128801	C/T	0.026	0.026	0.041	0.049	0.398	21.783
rs7199285	PC ae C40:5	16	19980931	C/T	0.183	0.183	0.039	0.019	0.048	22.392
rs795437	PC ae C40:5	3	30804170	T/C	0.458	0.458	0.038	0.015	0.010	20.054
rs62169335	PC ae C40:5	2	147946069	C/T	0.548	0.453	0.034	0.015	0.021	29.062

rs77437455	PC ae C40:5	3	174900715	A/G	0.048	0.048	0.033	0.038	0.378	19.823
rs17203687	PC ae C40:5	3	127684748	C/T	0.093	0.093	0.032	0.025	0.202	20.586
rs61995216	PC ae C40:5	14	80103620	A/G	0.055	0.055	0.031	0.032	0.343	23.252
rs77431173	PC ae C40:5	7	14742864	T/C	0.029	0.029	0.031	0.044	0.491	27.146
rs7812804	PC ae C40:5	8	59791586	C/T	0.240	0.240	0.031	0.018	0.086	20.685
rs3909727	PC ae C40:5	11	126587382	A/G	0.832	0.168	0.030	0.019	0.114	36.536
rs78621251	PC ae C40:5	18	63348042	A/G	0.034	0.034	0.027	0.041	0.509	28.508
rs2938609	PC ae C40:5	6	39700434	G/A	0.414	0.414	0.027	0.015	0.068	21.363
rs3964074	PC ae C40:5	16	74166991	T/C	0.535	0.465	0.023	0.014	0.107	32.094
rs1193333	PC ae C40:5	7	127609301	A/G	0.640	0.360	0.023	0.015	0.125	29.915
rs963778	PC ae C40:5	14	27009199	A/C	0.244	0.244	0.023	0.017	0.175	20.608
rs1504708	PC ae C40:5	11	99252012	A/G	0.481	0.481	0.023	0.014	0.114	20.060
rs2096352	PC ae C40:5	10	92439106	T/G	0.418	0.418	0.022	0.015	0.129	22.192
rs12494242	PC ae C40:5	3	85413180	T/C	0.319	0.319	0.022	0.016	0.163	19.701
rs12051465	PC ae C40:5	16	49551403	G/T	0.231	0.231	0.019	0.018	0.276	21.281
rs35783535	PC ae C40:5	2	98623227	G/A	0.381	0.381	0.018	0.015	0.223	20.573
rs72973055	PC ae C40:5	19	3353494	G/A	0.204	0.204	0.018	0.019	0.327	28.515
rs12232839	PC ae C40:5	19	34090242	T/G	0.896	0.104	0.017	0.024	0.466	21.229
rs11633261	PC ae C40:5	15	25251310	G/T	0.459	0.459	0.017	0.015	0.255	22.266
rs62266118	PC ae C40:5	3	115124821	A/G	0.195	0.195	0.017	0.019	0.369	20.670
rs62398404	PC ae C40:5	6	37669616	C/T	0.127	0.127	0.017	0.022	0.439	26.526
rs942038	PC ae C40:5	13	112682875	A/G	0.696	0.304	0.017	0.016	0.296	21.212
rs660880	PC ae C40:5	1	6866978	G/A	0.514	0.486	0.016	0.015	0.268	42.910
rs28742222	PC ae C40:5	7	40176752	G/T	0.420	0.420	0.015	0.015	0.306	22.104
rs7204652	PC ae C40:5	16	5675613	T/C	0.195	0.195	0.013	0.019	0.473	38.707
rs7015	PC ae C40:5	7	97920623	A/G	0.809	0.191	0.012	0.019	0.524	20.665
rs7628382	PC ae C40:5	3	70641810	A/G	0.443	0.443	0.012	0.015	0.430	22.690
rs13002164	PC ae C40:5	2	56680788	C/T	0.059	0.059	0.012	0.031	0.714	22.241
rs2439945	PC ae C40:5	17	5124462	C/T	0.195	0.195	0.011	0.019	0.549	22.216
rs2028935	PC ae C40:5	5	19607413	A/C	0.481	0.481	0.011	0.015	0.467	21.883
rs1711171	PC ae C40:5	3	136020541	T/C	0.756	0.244	0.011	0.017	0.529	31.945
rs6829572	PC ae C40:5	4	93984155	G/A	0.465	0.465	0.010	0.015	0.478	31.349
rs2568712	PC ae C40:5	11	91407305	T/G	0.581	0.419	0.010	0.015	0.520	26.788

rs8073904	PC ae C40:5	17	79095144	G/A	0.859	0.141	0.010	0.023	0.672	24.538
rs9297663	PC ae C40:5	8	123728686	A/G	0.169	0.169	0.009	0.020	0.648	20.544
rs72952553	PC ae C40:5	2	217481516	G/A	0.302	0.302	0.009	0.017	0.599	21.726
rs2222760	PC ae C40:5	2	151345113	G/A	0.277	0.277	0.007	0.017	0.656	36.656
rs12154057	PC ae C40:5	6	161867419	A/C	0.390	0.390	0.007	0.015	0.642	22.525
rs12996547	PC ae C40:5	2	602036	C/T	0.352	0.352	0.006	0.016	0.687	21.351
rs9317624	PC ae C40:5	13	67506934	C/A	0.440	0.440	0.006	0.016	0.713	27.770
rs114114265	PC ae C40:5	2	79806712	G/A	0.050	0.050	0.005	0.033	0.874	19.609
rs11100930	PC ae C40:5	4	147591808	G/A	0.872	0.128	0.005	0.022	0.828	27.384
rs2490323	PC ae C40:5	1	65985736	C/T	0.181	0.181	0.005	0.019	0.802	20.871
rs13262595	PC ae C40:5	8	143316970	A/G	0.554	0.446	0.004	0.015	0.799	36.221
rs1967840	PC ae C40:5	10	112026082	A/G	0.184	0.184	0.003	0.019	0.857	23.049
rs9464192	PC ae C40:5	6	54987759	C/T	0.573	0.427	0.003	0.015	0.832	27.538
rs2726033	PC ae C40:5	16	28338039	A/G	0.422	0.422	0.002	0.015	0.874	37.449
rs34722489	PC ae C40:5	5	127856954	C/A	0.243	0.243	0.001	0.017	0.946	19.340
rs11090045	PC ae C40:5	22	41753603	G/A	0.296	0.296	-0.001	0.016	0.963	39.113
rs76218094	PC ae C40:5	2	176215906	A/G	0.092	0.092	-0.001	0.026	0.967	25.687
rs11772832	PC ae C40:5	7	135073047	T/C	0.402	0.402	-0.002	0.015	0.912	26.000
rs1370239	PC ae C40:5	16	64291189	A/G	0.566	0.434	-0.002	0.015	0.891	24.957
rs17107024	PC ae C40:5	14	69961658	T/C	0.133	0.133	-0.002	0.022	0.925	23.746
rs4486004	PC ae C40:5	6	26167710	G/T	0.231	0.231	-0.003	0.017	0.853	22.893
rs77529617	PC ae C40:5	17	16502271	C/T	0.115	0.115	-0.003	0.023	0.884	31.223
rs2174239	PC ae C40:5	14	93885496	T/C	0.867	0.133	-0.004	0.022	0.868	21.143
rs10753761	PC ae C40:5	1	167584973	A/G	0.816	0.184	-0.004	0.020	0.844	20.338
rs11743441	PC ae C40:5	5	88065637	G/T	0.578	0.422	-0.004	0.015	0.770	29.279
rs9372122	PC ae C40:5	6	106742454	G/A	0.437	0.437	-0.005	0.015	0.719	20.350
rs2643174	PC ae C40:5	3	164393607	G/A	0.155	0.155	-0.006	0.020	0.777	19.612
rs11023757	PC ae C40:5	11	15902219	T/C	0.254	0.254	-0.008	0.017	0.644	20.241
rs12588402	PC ae C40:5	14	29738282	A/G	0.577	0.423	-0.008	0.015	0.610	22.932
rs224064	PC ae C40:5	10	64504212	T/C	0.596	0.404	-0.008	0.015	0.583	24.795
rs742359	PC ae C40:5	1	1715011	C/A	0.268	0.268	-0.008	0.016	0.615	22.904
rs62266239	PC ae C40:5	3	116750431	C/T	0.140	0.140	-0.009	0.021	0.680	31.621
rs9868223	PC ae C40:5	3	81724327	C/T	0.179	0.179	-0.009	0.019	0.640	27.510

rs10276580	PC ae C40:5	7	11772539	T/G	0.727	0.273	-0.009	0.016	0.574	23.545
rs11039028	PC ae C40:5	11	46944196	G/A	0.233	0.233	-0.009	0.017	0.593	23.725
rs57318525	PC ae C40:5	6	104614058	A/C	0.435	0.435	-0.009	0.015	0.540	21.548
rs2678900	PC ae C40:5	2	58177683	T/G	0.428	0.428	-0.009	0.015	0.527	51.716
rs136548	PC ae C40:5	22	27253353	C/T	0.375	0.375	-0.010	0.015	0.511	33.768
rs17573452	PC ae C40:5	12	60224839	C/T	0.190	0.190	-0.010	0.018	0.590	27.214
rs6845321	PC ae C40:5	4	113595869	C/T	0.306	0.306	-0.010	0.016	0.531	19.870
rs56389750	PC ae C40:5	3	62399917	C/T	0.271	0.271	-0.010	0.017	0.542	31.074
rs1958801	PC ae C40:5	14	98872110	A/G	0.274	0.274	-0.011	0.016	0.493	27.583
rs75210106	PC ae C40:5	2	113246436	C/T	0.172	0.172	-0.011	0.019	0.559	20.244
rs28533070	PC ae C40:5	15	97177443	G/A	0.100	0.100	-0.012	0.025	0.639	31.584
rs9829222	PC ae C40:5	3	175671153	C/T	0.238	0.238	-0.012	0.017	0.487	30.981
rs12658015	PC ae C40:5	5	164493306	A/G	0.643	0.357	-0.012	0.015	0.418	36.443
rs2426605	PC ae C40:5	20	54869080	A/C	0.339	0.339	-0.013	0.015	0.400	21.951
rs13147920	PC ae C40:5	4	181245804	C/T	0.390	0.390	-0.013	0.015	0.368	23.379
rs10500285	PC ae C40:5	19	42672760	C/T	0.117	0.117	-0.014	0.023	0.524	21.620
rs4936119	PC ae C40:5	11	112486568	C/A	0.264	0.264	-0.014	0.017	0.385	26.834
rs4742644	PC ae C40:5	9	9959413	T/C	0.251	0.251	-0.016	0.017	0.340	22.777
rs6889815	PC ae C40:5	5	25302404	A/C	0.124	0.124	-0.016	0.022	0.468	19.465
rs276447	PC ae C40:5	9	15581302	C/T	0.480	0.480	-0.017	0.015	0.243	77.627
rs9590216	PC ae C40:5	13	95905305	T/C	0.146	0.146	-0.019	0.021	0.370	20.505
rs6897617	PC ae C40:5	5	173301982	G/A	0.288	0.288	-0.019	0.016	0.222	22.000
rs114210747	PC ae C40:5	5	144214142	C/T	0.081	0.081	-0.020	0.027	0.464	27.954
rs6960970	PC ae C40:5	7	14207740	T/C	0.803	0.198	-0.020	0.019	0.304	20.913
rs34121855	PC ae C40:5	7	73040814	T/G	0.196	0.196	-0.020	0.018	0.274	38.189
rs3000677	PC ae C40:5	13	21298026	G/A	0.840	0.160	-0.021	0.020	0.292	20.978
rs1698114	PC ae C40:5	19	49259854	A/G	0.490	0.490	-0.021	0.016	0.179	33.296
rs673696	PC ae C40:5	11	31097262	C/T	0.082	0.082	-0.023	0.026	0.385	31.739
rs62469212	PC ae C40:5	7	113934926	C/A	0.467	0.467	-0.023	0.015	0.131	20.048
rs72759867	PC ae C40:5	1	243578188	T/C	0.104	0.104	-0.024	0.024	0.317	27.249
rs11231296	PC ae C40:5	11	62758580	T/C	0.218	0.218	-0.025	0.018	0.153	22.290
rs78351874	PC ae C40:5	2	200472560	C/T	0.095	0.095	-0.025	0.025	0.320	26.625
rs74629965	PC ae C40:5	6	51185853	T/G	0.071	0.071	-0.028	0.029	0.318	28.841

rs4837943	PC ae C40:5	9	124882085	C/T	0.209	0.209	-0.030	0.018	0.102	19.908
rs9936121	PC ae C40:5	16	76123518	T/G	0.316	0.316	-0.031	0.016	0.050	24.111
rs62107261	PC ae C40:5	2	422144	T/C	0.051	0.051	-0.032	0.034	0.353	31.903
rs141934869	PC ae C40:5	8	27775477	G/T	0.012	0.012	-0.033	0.069	0.632	24.322
rs138067	PC ae C40:5	22	44227556	A/G	0.428	0.428	-0.034	0.015	0.019	22.798
rs3810818	PC ae C40:5	16	4432029	A/C	0.765	0.235	-0.037	0.017	0.033	26.319
rs74697766	PC ae C40:5	4	105732919	T/C	0.082	0.082	-0.037	0.027	0.168	19.820
rs12643496	PC ae C40:5	4	172492327	G/A	0.858	0.143	-0.040	0.021	0.055	23.522
rs79644827	PC ae C40:5	8	84739529	G/A	0.017	0.017	-0.043	0.058	0.452	23.578
rs111299612	PC ae C40:5	18	25461937	G/A	0.034	0.034	-0.046	0.047	0.327	20.795
rs17547360	PC ae C40:5	12	30169738	T/C	0.247	0.247	-0.052	0.017	0.002	19.871
rs1458820	PC ae C40:5	4	55990353	G/A	0.937	0.063	-0.053	0.030	0.079	24.169
rs16926787	PC ae C40:5	9	126506289	G/T	0.081	0.081	-0.060	0.027	0.025	21.298
rs190489703	PC ae C40:5	12	53745262	A/G	0.011	0.011	-0.061	0.074	0.408	20.399
rs142036050	PC ae C40:5	14	33729481	T/C	0.017	0.017	-0.067	0.061	0.269	23.457
rs141407174	PC ae C40:5	7	103178027	C/T	0.017	0.017	-0.078	0.059	0.184	22.580
rs9653713	PC ae C40:6	21	35219643	C/A	0.010	0.010	0.125	0.081	0.122	20.099
rs61995216	PC ae C40:6	14	80103620	A/G	0.055	0.055	0.090	0.032	0.005	23.252
rs429358	PC ae C40:6	19	45411941	T/C	0.147	0.147	0.085	0.021	0.000	48.360
rs141934869	PC ae C40:6	8	27775477	G/T	0.012	0.012	0.080	0.068	0.241	24.322
rs61836106	PC ae C40:6	10	2639003	G/A	0.104	0.104	0.064	0.024	0.008	27.000
rs79644827	PC ae C40:6	8	84739529	G/A	0.017	0.017	0.042	0.057	0.457	23.578
rs7199285	PC ae C40:6	16	19980931	C/T	0.183	0.183	0.042	0.019	0.029	22.392
rs12355804	PC ae C40:6	10	3535854	C/T	0.072	0.072	0.035	0.028	0.206	24.055
rs9317624	PC ae C40:6	13	67506934	C/A	0.440	0.440	0.032	0.015	0.041	27.770
rs17203687	PC ae C40:6	3	127684748	C/T	0.093	0.093	0.031	0.025	0.209	20.586
rs795437	PC ae C40:6	3	30804170	T/C	0.458	0.458	0.029	0.015	0.047	20.054
rs9590216	PC ae C40:6	13	95905305	T/C	0.146	0.146	0.026	0.021	0.203	20.505
rs7812804	PC ae C40:6	8	59791586	C/T	0.240	0.240	0.026	0.018	0.142	20.685
rs7204652	PC ae C40:6	16	5675613	T/C	0.195	0.195	0.026	0.018	0.164	38.707
rs1193333	PC ae C40:6	7	127609301	A/G	0.640	0.360	0.023	0.015	0.128	29.915
rs1967840	PC ae C40:6	10	112026082	A/G	0.184	0.184	0.022	0.018	0.231	23.049
rs62398404	PC ae C40:6	6	37669616	C/T	0.127	0.127	0.022	0.022	0.307	26.526

rs3909727	PC ae C40:6	11	126587382	A/G	0.832	0.168	0.020	0.019	0.299	36.536
rs13262595	PC ae C40:6	8	143316970	A/G	0.554	0.446	0.019	0.014	0.182	36.221
rs28533070	PC ae C40:6	15	97177443	G/A	0.100	0.100	0.018	0.024	0.461	31.584
rs62266118	PC ae C40:6	3	115124821	A/G	0.195	0.195	0.017	0.019	0.358	20.670
rs7208329	PC ae C40:6	17	33128801	C/T	0.026	0.026	0.016	0.048	0.735	21.783
rs136548	PC ae C40:6	22	27253353	C/T	0.375	0.375	0.016	0.015	0.275	33.768
rs17547360	PC ae C40:6	12	30169738	T/C	0.247	0.247	0.016	0.017	0.337	19.871
rs3964074	PC ae C40:6	16	74166991	T/C	0.535	0.465	0.016	0.014	0.266	32.094
rs2174239	PC ae C40:6	14	93885496	T/C	0.867	0.133	0.015	0.022	0.483	21.143
rs12996547	PC ae C40:6	2	602036	C/T	0.352	0.352	0.015	0.015	0.328	21.351
rs77431173	PC ae C40:6	7	14742864	T/C	0.029	0.029	0.015	0.044	0.732	27.146
rs35783535	PC ae C40:6	2	98623227	G/A	0.381	0.381	0.015	0.015	0.326	20.573
rs6829572	PC ae C40:6	4	93984155	G/A	0.465	0.465	0.014	0.015	0.341	31.349
rs9464192	PC ae C40:6	6	54987759	C/T	0.573	0.427	0.014	0.014	0.342	27.538
rs11090045	PC ae C40:6	22	41753603	G/A	0.296	0.296	0.014	0.016	0.399	39.113
rs56389750	PC ae C40:6	3	62399917	C/T	0.271	0.271	0.013	0.016	0.427	31.074
rs224064	PC ae C40:6	10	64504212	T/C	0.596	0.404	0.013	0.015	0.392	24.795
rs2938609	PC ae C40:6	6	39700434	G/A	0.414	0.414	0.011	0.015	0.455	21.363
rs11039028	PC ae C40:6	11	46944196	G/A	0.233	0.233	0.010	0.017	0.549	23.725
rs9297663	PC ae C40:6	8	123728686	A/G	0.169	0.169	0.010	0.019	0.619	20.544
rs673696	PC ae C40:6	11	31097262	C/T	0.082	0.082	0.009	0.026	0.718	31.739
rs12232839	PC ae C40:6	19	34090242	T/G	0.896	0.104	0.009	0.023	0.710	21.229
rs1698114	PC ae C40:6	19	49259854	A/G	0.490	0.490	0.008	0.016	0.590	33.296
rs963778	PC ae C40:6	14	27009199	A/C	0.244	0.244	0.008	0.017	0.618	20.608
rs2490323	PC ae C40:6	1	65985736	C/T	0.181	0.181	0.008	0.018	0.659	20.871
rs12588402	PC ae C40:6	14	29738282	A/G	0.577	0.423	0.007	0.015	0.634	22.932
rs13147920	PC ae C40:6	4	181245804	C/T	0.390	0.390	0.007	0.015	0.637	23.379
rs12494242	PC ae C40:6	3	85413180	T/C	0.319	0.319	0.007	0.015	0.657	19.701
rs114114265	PC ae C40:6	2	79806712	G/A	0.050	0.050	0.006	0.033	0.859	19.609
rs10500285	PC ae C40:6	19	42672760	C/T	0.117	0.117	0.006	0.022	0.803	21.620
rs142325173	PC ae C40:6	12	18822872	G/A	0.019	0.019	0.005	0.053	0.931	21.598
rs72973055	PC ae C40:6	19	3353494	G/A	0.204	0.204	0.004	0.019	0.818	28.515
rs10753761	PC ae C40:6	1	167584973	A/G	0.816	0.184	0.004	0.019	0.839	20.338

rs62169335	PC ae C40:6	2	147946069	C/T	0.548	0.453	0.004	0.015	0.791	29.062
rs62107261	PC ae C40:6	2	422144	T/C	0.051	0.051	0.003	0.034	0.926	31.903
rs11772832	PC ae C40:6	7	135073047	T/C	0.402	0.402	0.003	0.015	0.858	26.000
rs4742644	PC ae C40:6	9	9959413	T/C	0.251	0.251	0.002	0.017	0.882	22.777
rs114244865	PC ae C40:6	4	129967492	C/T	0.027	0.027	0.002	0.046	0.962	27.605
rs16926787	PC ae C40:6	9	126506289	G/T	0.081	0.081	0.002	0.026	0.935	21.298
rs62266239	PC ae C40:6	3	116750431	C/T	0.140	0.140	0.002	0.021	0.920	31.621
rs6960970	PC ae C40:6	7	14207740	T/C	0.803	0.198	0.002	0.019	0.917	20.913
rs77529617	PC ae C40:6	17	16502271	C/T	0.115	0.115	0.001	0.023	0.969	31.223
rs1958801	PC ae C40:6	14	98872110	A/G	0.274	0.274	0.001	0.016	0.959	27.583
rs1504708	PC ae C40:6	11	99252012	A/G	0.481	0.481	0.001	0.014	0.972	20.060
rs7628382	PC ae C40:6	3	70641810	A/G	0.443	0.443	0.000	0.015	0.998	22.690
rs11100930	PC ae C40:6	4	147591808	G/A	0.872	0.128	-0.001	0.022	0.981	27.384
rs10276580	PC ae C40:6	7	11772539	T/G	0.727	0.273	-0.001	0.016	0.968	23.545
rs12051465	PC ae C40:6	16	49551403	G/T	0.231	0.231	-0.001	0.017	0.966	21.281
rs1370239	PC ae C40:6	16	64291189	A/G	0.566	0.434	-0.001	0.015	0.930	24.957
rs1711171	PC ae C40:6	3	136020541	T/C	0.756	0.244	-0.002	0.017	0.914	31.945
rs17107024	PC ae C40:6	14	69961658	T/C	0.133	0.133	-0.002	0.021	0.921	23.746
rs1458820	PC ae C40:6	4	55990353	G/A	0.937	0.063	-0.003	0.030	0.912	24.169
rs2568712	PC ae C40:6	11	91407305	T/G	0.581	0.419	-0.004	0.015	0.811	26.788
rs2222760	PC ae C40:6	2	151345113	G/A	0.277	0.277	-0.004	0.016	0.819	36.656
rs11633261	PC ae C40:6	15	25251310	G/T	0.459	0.459	-0.004	0.015	0.795	22.266
rs184406487	PC ae C40:6	1	198791227	C/T	0.028	0.028	-0.004	0.044	0.929	20.179
rs34722489	PC ae C40:6	5	127856954	C/A	0.243	0.243	-0.004	0.017	0.817	19.340
rs2439945	PC ae C40:6	17	5124462	C/T	0.195	0.195	-0.005	0.019	0.804	22.216
rs9372122	PC ae C40:6	6	106742454	G/A	0.437	0.437	-0.005	0.015	0.717	20.350
rs72952553	PC ae C40:6	2	217481516	G/A	0.302	0.302	-0.006	0.017	0.738	21.726
rs138067	PC ae C40:6	22	44227556	A/G	0.428	0.428	-0.006	0.014	0.699	22.798
rs11231296	PC ae C40:6	11	62758580	T/C	0.218	0.218	-0.006	0.018	0.743	22.290
rs2096352	PC ae C40:6	10	92439106	T/G	0.418	0.418	-0.007	0.015	0.632	22.192
rs660880	PC ae C40:6	1	6866978	G/A	0.514	0.486	-0.008	0.014	0.602	42.910
rs78621251	PC ae C40:6	18	63348042	A/G	0.034	0.034	-0.008	0.040	0.838	28.508
rs2678900	PC ae C40:6	2	58177683	T/G	0.428	0.428	-0.009	0.015	0.560	51.716

rs8073904	PC ae C40:6	17	79095144	G/A	0.859	0.141	-0.011	0.022	0.632	24.538
rs6845321	PC ae C40:6	4	113595869	C/T	0.306	0.306	-0.011	0.016	0.481	19.870
rs11743441	PC ae C40:6	5	88065637	G/T	0.578	0.422	-0.012	0.015	0.428	29.279
rs12154057	PC ae C40:6	6	161867419	A/C	0.390	0.390	-0.012	0.015	0.447	22.525
rs28742222	PC ae C40:6	7	40176752	G/T	0.420	0.420	-0.012	0.015	0.399	22.104
rs4486004	PC ae C40:6	6	26167710	G/T	0.231	0.231	-0.013	0.017	0.450	22.893
rs142036050	PC ae C40:6	14	33729481	T/C	0.017	0.017	-0.013	0.060	0.829	23.457
rs57318525	PC ae C40:6	6	104614058	A/C	0.435	0.435	-0.014	0.015	0.335	21.548
rs2028935	PC ae C40:6	5	19607413	A/C	0.481	0.481	-0.015	0.015	0.312	21.883
rs3000677	PC ae C40:6	13	21298026	G/A	0.840	0.160	-0.015	0.020	0.449	20.978
rs942038	PC ae C40:6	13	112682875	A/G	0.696	0.304	-0.015	0.016	0.342	21.212
rs72759867	PC ae C40:6	1	243578188	T/C	0.104	0.104	-0.016	0.024	0.495	27.249
rs76218094	PC ae C40:6	2	176215906	A/G	0.092	0.092	-0.016	0.025	0.520	25.687
rs6897617	PC ae C40:6	5	173301982	G/A	0.288	0.288	-0.016	0.016	0.298	22.000
rs2643174	PC ae C40:6	3	164393607	G/A	0.155	0.155	-0.017	0.020	0.396	19.612
rs75210106	PC ae C40:6	2	113246436	C/T	0.172	0.172	-0.018	0.019	0.353	20.244
rs2426605	PC ae C40:6	20	54869080	A/C	0.339	0.339	-0.018	0.015	0.227	21.951
rs12658015	PC ae C40:6	5	164493306	A/G	0.643	0.357	-0.019	0.015	0.207	36.443
rs13002164	PC ae C40:6	2	56680788	C/T	0.059	0.059	-0.019	0.031	0.530	22.241
rs2726033	PC ae C40:6	16	28338039	A/G	0.422	0.422	-0.021	0.015	0.158	37.449
rs9936121	PC ae C40:6	16	76123518	T/G	0.316	0.316	-0.021	0.015	0.177	24.111
rs4936119	PC ae C40:6	11	112486568	C/A	0.264	0.264	-0.022	0.016	0.189	26.834
rs742359	PC ae C40:6	1	1715011	C/A	0.268	0.268	-0.022	0.016	0.172	22.904
rs4837943	PC ae C40:6	9	124882085	C/T	0.209	0.209	-0.023	0.018	0.218	19.908
rs9829222	PC ae C40:6	3	175671153	C/T	0.238	0.238	-0.023	0.017	0.176	30.981
rs3810818	PC ae C40:6	16	4432029	A/C	0.765	0.235	-0.023	0.017	0.165	26.319
rs190489703	PC ae C40:6	12	53745262	A/G	0.011	0.011	-0.024	0.073	0.746	20.399
rs77437455	PC ae C40:6	3	174900715	A/G	0.048	0.048	-0.024	0.037	0.526	19.823
rs276447	PC ae C40:6	9	15581302	C/T	0.480	0.480	-0.024	0.014	0.096	77.627
rs74697766	PC ae C40:6	4	105732919	T/C	0.082	0.082	-0.024	0.027	0.371	19.820
rs7015	PC ae C40:6	7	97920623	A/G	0.809	0.191	-0.029	0.018	0.112	20.665
rs9868223	PC ae C40:6	3	81724327	C/T	0.179	0.179	-0.030	0.019	0.100	27.510
rs6889815	PC ae C40:6	5	25302404	A/C	0.124	0.124	-0.031	0.022	0.160	19.465

rs11023757	PC ae C40:6	11	15902219	T/C	0.254	0.254	-0.032	0.016	0.053	20.241
rs62469212	PC ae C40:6	7	113934926	C/A	0.467	0.467	-0.032	0.015	0.035	20.048
rs78351874	PC ae C40:6	2	200472560	C/T	0.095	0.095	-0.034	0.025	0.178	26.625
rs114210747	PC ae C40:6	5	144214142	C/T	0.081	0.081	-0.034	0.027	0.194	27.954
rs17573452	PC ae C40:6	12	60224839	C/T	0.190	0.190	-0.038	0.018	0.034	27.214
rs12643496	PC ae C40:6	4	172492327	G/A	0.858	0.143	-0.045	0.021	0.032	23.522
rs34121855	PC ae C40:6	7	73040814	T/G	0.196	0.196	-0.047	0.018	0.010	38.189
rs74629965	PC ae C40:6	6	51185853	T/G	0.071	0.071	-0.050	0.028	0.074	28.841
rs141407174	PC ae C40:6	7	103178027	C/T	0.017	0.017	-0.055	0.058	0.344	22.580
rs111299612	PC ae C40:6	18	25461937	G/A	0.034	0.034	-0.056	0.047	0.232	20.795
rs190489703	SM C20:2	12	53745262	A/G	0.011	0.011	0.121	0.072	0.095	20.399
rs61836106	SM C20:2	10	2639003	G/A	0.104	0.104	0.066	0.024	0.005	27.000
rs9653713	SM C20:2	21	35219643	C/A	0.010	0.010	0.061	0.081	0.447	20.099
rs34121855	SM C20:2	7	73040814	T/G	0.196	0.196	0.060	0.018	0.001	38.189
rs10500285	SM C20:2	19	42672760	C/T	0.117	0.117	0.041	0.022	0.066	21.620
rs114114265	SM C20:2	2	79806712	G/A	0.050	0.050	0.038	0.033	0.246	19.609
rs62266239	SM C20:2	3	116750431	C/T	0.139	0.139	0.034	0.021	0.101	31.621
rs12051465	SM C20:2	16	49551403	G/T	0.231	0.231	0.033	0.017	0.058	21.281
rs77431173	SM C20:2	7	14742864	T/C	0.029	0.029	0.031	0.044	0.475	27.146
rs7199285	SM C20:2	16	19980931	C/T	0.183	0.183	0.031	0.019	0.110	22.392
rs17203687	SM C20:2	3	127684748	C/T	0.093	0.093	0.030	0.025	0.222	20.586
rs6829572	SM C20:2	4	93984155	G/A	0.465	0.465	0.025	0.014	0.080	31.349
rs795437	SM C20:2	3	30804170	T/C	0.458	0.458	0.025	0.014	0.089	20.054
rs2938609	SM C20:2	6	39700434	G/A	0.414	0.414	0.024	0.014	0.094	21.363
rs7204652	SM C20:2	16	5675613	T/C	0.195	0.195	0.022	0.018	0.233	38.707
rs11743441	SM C20:2	5	88065637	G/T	0.579	0.421	0.022	0.015	0.139	29.279
rs13002164	SM C20:2	2	56680788	C/T	0.059	0.059	0.021	0.031	0.486	22.241
rs1193333	SM C20:2	7	127609301	A/G	0.640	0.360	0.021	0.015	0.162	29.915
rs184406487	SM C20:2	1	198791227	C/T	0.028	0.028	0.019	0.044	0.660	20.179
rs10276580	SM C20:2	7	11772539	T/G	0.727	0.274	0.019	0.016	0.226	23.545
rs7015	SM C20:2	7	97920623	A/G	0.809	0.192	0.019	0.018	0.304	20.665
rs9372122	SM C20:2	6	106742454	G/A	0.436	0.436	0.018	0.014	0.215	20.350
rs9317624	SM C20:2	13	67506934	C/A	0.440	0.440	0.018	0.015	0.249	27.770

rs11231296	SM C20:2	11	62758580	T/C	0.218	0.218	0.016	0.017	0.347	22.290
rs2222760	SM C20:2	2	151345113	G/A	0.277	0.277	0.016	0.016	0.314	36.656
rs28533070	SM C20:2	15	97177443	G/A	0.100	0.100	0.016	0.024	0.502	31.584
rs62398404	SM C20:2	6	37669616	C/T	0.127	0.127	0.016	0.021	0.445	26.526
rs6845321	SM C20:2	4	113595869	C/T	0.306	0.306	0.016	0.016	0.303	19.870
rs2490323	SM C20:2	1	65985736	C/T	0.181	0.181	0.014	0.018	0.440	20.871
rs138067	SM C20:2	22	44227556	A/G	0.427	0.427	0.014	0.014	0.334	22.798
rs11100930	SM C20:2	4	147591808	G/A	0.872	0.128	0.013	0.021	0.531	27.384
rs3909727	SM C20:2	11	126587382	A/G	0.832	0.168	0.013	0.019	0.497	36.536
rs2726033	SM C20:2	16	28338039	A/G	0.422	0.422	0.013	0.015	0.385	37.449
rs673696	SM C20:2	11	31097262	C/T	0.082	0.082	0.013	0.026	0.630	31.739
rs12588402	SM C20:2	14	29738282	A/G	0.577	0.423	0.012	0.015	0.416	22.932
rs12658015	SM C20:2	5	164493306	A/G	0.644	0.357	0.012	0.015	0.434	36.443
rs11039028	SM C20:2	11	46944196	G/A	0.232	0.232	0.010	0.017	0.550	23.725
rs2439945	SM C20:2	17	5124462	C/T	0.195	0.195	0.010	0.019	0.605	22.216
rs2643174	SM C20:2	3	164393607	G/A	0.155	0.155	0.010	0.020	0.626	19.612
rs62107261	SM C20:2	2	422144	T/C	0.051	0.051	0.010	0.034	0.773	31.903
rs1504708	SM C20:2	11	99252012	A/G	0.481	0.481	0.008	0.014	0.567	20.060
rs11633261	SM C20:2	15	25251310	G/T	0.459	0.459	0.007	0.015	0.626	22.266
rs6897617	SM C20:2	5	173301982	G/A	0.288	0.288	0.007	0.016	0.675	22.000
rs114210747	SM C20:2	5	144214142	C/T	0.081	0.081	0.006	0.026	0.822	27.954
rs72759867	SM C20:2	1	243578188	T/C	0.104	0.104	0.006	0.024	0.814	27.249
rs6960970	SM C20:2	7	14207740	T/C	0.803	0.198	0.006	0.019	0.773	20.913
rs6889815	SM C20:2	5	25302404	A/C	0.124	0.124	0.005	0.022	0.812	19.465
rs2028935	SM C20:2	5	19607413	A/C	0.481	0.481	0.005	0.015	0.729	21.883
rs34722489	SM C20:2	5	127856954	C/A	0.243	0.243	0.005	0.017	0.771	19.340
rs1698114	SM C20:2	19	49259854	A/G	0.491	0.491	0.004	0.016	0.801	33.296
rs3000677	SM C20:2	13	21298026	G/A	0.840	0.160	0.003	0.020	0.880	20.978
rs429358	SM C20:2	19	45411941	T/C	0.147	0.147	0.003	0.021	0.891	48.360
rs1967840	SM C20:2	10	112026082	A/G	0.184	0.184	0.003	0.018	0.892	23.049
rs28742222	SM C20:2	7	40176752	G/T	0.420	0.420	0.003	0.015	0.863	22.104
rs62469212	SM C20:2	7	113934926	C/A	0.467	0.467	0.003	0.015	0.867	20.048
rs7812804	SM C20:2	8	59791586	C/T	0.240	0.240	-0.001	0.018	0.955	20.685

rs12643496	SM C20:2	4	172492327	G/A	0.857	0.143	-0.001	0.021	0.951	23.522
rs62169335	SM C20:2	2	147946069	C/T	0.548	0.452	-0.002	0.015	0.895	29.062
rs3964074	SM C20:2	16	74166991	T/C	0.535	0.465	-0.002	0.014	0.882	32.094
rs942038	SM C20:2	13	112682875	A/G	0.696	0.304	-0.002	0.016	0.893	21.212
rs12154057	SM C20:2	6	161867419	A/C	0.390	0.390	-0.003	0.015	0.851	22.525
rs10753761	SM C20:2	1	167584973	A/G	0.816	0.184	-0.003	0.019	0.863	20.338
rs963778	SM C20:2	14	27009199	A/C	0.244	0.244	-0.004	0.017	0.825	20.608
rs11772832	SM C20:2	7	135073047	T/C	0.402	0.402	-0.004	0.015	0.782	26.000
rs2096352	SM C20:2	10	92439106	T/G	0.418	0.418	-0.004	0.015	0.778	22.192
rs78351874	SM C20:2	2	200472560	C/T	0.095	0.095	-0.004	0.025	0.862	26.625
rs12996547	SM C20:2	2	602036	C/T	0.353	0.353	-0.004	0.015	0.774	21.351
rs77437455	SM C20:2	3	174900715	A/G	0.048	0.048	-0.005	0.037	0.902	19.823
rs11090045	SM C20:2	22	41753603	G/A	0.296	0.296	-0.005	0.016	0.749	39.113
rs276447	SM C20:2	9	15581302	C/T	0.480	0.480	-0.005	0.014	0.710	77.627
rs742359	SM C20:2	1	1715011	C/A	0.268	0.268	-0.006	0.016	0.731	22.904
rs13147920	SM C20:2	4	181245804	C/T	0.390	0.390	-0.006	0.015	0.674	23.379
rs2568712	SM C20:2	11	91407305	T/G	0.580	0.420	-0.006	0.015	0.670	26.788
rs7208329	SM C20:2	17	33128801	C/T	0.026	0.026	-0.007	0.048	0.890	21.783
rs9829222	SM C20:2	3	175671153	C/T	0.238	0.238	-0.007	0.017	0.692	30.981
rs72973055	SM C20:2	19	3353494	G/A	0.204	0.204	-0.007	0.018	0.704	28.515
rs9936121	SM C20:2	16	76123518	T/G	0.316	0.316	-0.007	0.015	0.649	24.111
rs4486004	SM C20:2	6	26167710	G/T	0.232	0.232	-0.008	0.017	0.649	22.893
rs17547360	SM C20:2	12	30169738	T/C	0.247	0.247	-0.008	0.017	0.639	19.871
rs9464192	SM C20:2	6	54987759	C/T	0.572	0.428	-0.008	0.014	0.575	27.538
rs7628382	SM C20:2	3	70641810	A/G	0.443	0.443	-0.009	0.015	0.556	22.690
rs78621251	SM C20:2	18	63348042	A/G	0.034	0.034	-0.009	0.040	0.831	28.508
rs8073904	SM C20:2	17	79095144	G/A	0.859	0.141	-0.010	0.022	0.657	24.538
rs56389750	SM C20:2	3	62399917	C/T	0.271	0.271	-0.010	0.016	0.529	31.074
rs72952553	SM C20:2	2	217481516	G/A	0.302	0.302	-0.010	0.017	0.532	21.726
rs2174239	SM C20:2	14	93885496	T/C	0.867	0.133	-0.011	0.021	0.605	21.143
rs75210106	SM C20:2	2	113246436	C/T	0.172	0.172	-0.011	0.019	0.555	20.244
rs62266118	SM C20:2	3	115124821	A/G	0.195	0.195	-0.011	0.018	0.536	20.670
rs35783535	SM C20:2	2	98623227	G/A	0.381	0.381	-0.013	0.015	0.384	20.573

rs660880	SM C20:2	1	6866978	G/A	0.514	0.486	-0.013	0.014	0.366	42.910
rs4936119	SM C20:2	11	112486568	C/A	0.265	0.265	-0.013	0.016	0.424	26.834
rs11023757	SM C20:2	11	15902219	T/C	0.253	0.253	-0.013	0.016	0.413	20.241
rs12232839	SM C20:2	19	34090242	T/G	0.896	0.104	-0.015	0.023	0.528	21.229
rs1711171	SM C20:2	3	136020541	T/C	0.756	0.244	-0.015	0.017	0.360	31.945
rs12355804	SM C20:2	10	3535854	C/T	0.072	0.072	-0.016	0.028	0.577	24.055
rs76218094	SM C20:2	2	176215906	A/G	0.092	0.092	-0.016	0.025	0.534	25.687
rs12494242	SM C20:2	3	85413180	T/C	0.319	0.319	-0.016	0.015	0.303	19.701
rs3810818	SM C20:2	16	4432029	A/C	0.765	0.235	-0.017	0.017	0.306	26.319
rs13262595	SM C20:2	8	143316970	A/G	0.554	0.446	-0.017	0.014	0.227	36.221
rs9868223	SM C20:2	3	81724327	C/T	0.178	0.178	-0.017	0.018	0.347	27.510
rs1458820	SM C20:2	4	55990353	G/A	0.937	0.063	-0.018	0.030	0.547	24.169
rs2426605	SM C20:2	20	54869080	A/C	0.339	0.339	-0.018	0.015	0.233	21.951
rs1958801	SM C20:2	14	98872110	A/G	0.274	0.274	-0.019	0.016	0.250	27.583
rs74697766	SM C20:2	4	105732919	T/C	0.082	0.082	-0.019	0.027	0.486	19.820
rs224064	SM C20:2	10	64504212	T/C	0.596	0.404	-0.019	0.015	0.203	24.795
rs57318525	SM C20:2	6	104614058	A/C	0.434	0.434	-0.020	0.015	0.181	21.548
rs1370239	SM C20:2	16	64291189	A/G	0.566	0.434	-0.020	0.015	0.168	24.957
rs2678900	SM C20:2	2	58177683	T/G	0.428	0.428	-0.020	0.015	0.164	51.716
rs79644827	SM C20:2	8	84739529	G/A	0.017	0.017	-0.022	0.057	0.694	23.578
rs4837943	SM C20:2	9	124882085	C/T	0.209	0.209	-0.025	0.018	0.170	19.908
rs77529617	SM C20:2	17	16502271	C/T	0.115	0.115	-0.026	0.023	0.252	31.223
rs16926787	SM C20:2	9	126506289	G/T	0.081	0.081	-0.027	0.026	0.298	21.298
rs114244865	SM C20:2	4	129967492	C/T	0.027	0.027	-0.028	0.046	0.546	27.605
rs4742644	SM C20:2	9	9959413	T/C	0.251	0.251	-0.031	0.016	0.060	22.777
rs136548	SM C20:2	22	27253353	C/T	0.375	0.375	-0.031	0.015	0.034	33.768
rs17107024	SM C20:2	14	69961658	T/C	0.133	0.133	-0.033	0.021	0.123	23.746
rs9590216	SM C20:2	13	95905305	T/C	0.146	0.146	-0.034	0.021	0.095	20.505
rs17573452	SM C20:2	12	60224839	C/T	0.190	0.190	-0.036	0.018	0.048	27.214
rs74629965	SM C20:2	6	51185853	T/G	0.071	0.071	-0.037	0.028	0.187	28.841
rs141407174	SM C20:2	7	103178027	C/T	0.017	0.017	-0.053	0.058	0.359	22.580
rs142325173	SM C20:2	12	18822872	G/A	0.019	0.019	-0.054	0.053	0.311	21.598
rs61995216	SM C20:2	14	80103620	A/G	0.055	0.055	-0.055	0.032	0.081	23.252

rs111299612	SM C20:2	18	25461937	G/A	0.034	0.034	-0.059	0.047	0.205	20.795
rs9297663	SM C20:2	8	123728686	A/G	0.169	0.169	-0.062	0.019	0.001	20.544
rs141934869	SM C20:2	8	27775477	G/T	0.012	0.012	-0.066	0.067	0.330	24.322
rs142036050	SM C20:2	14	33729481	T/C	0.017	0.017	-0.074	0.060	0.217	23.457
rs61836106	SM C24:0	10	2639003	G/A	0.104	0.104	0.070	0.024	0.004	27.000
rs141934869	SM C24:0	8	27775477	G/T	0.012	0.012	0.069	0.069	0.320	24.322
rs3909727	SM C24:0	11	126587382	A/G	0.832	0.168	0.056	0.019	0.003	36.536
rs114244865	SM C24:0	4	129967492	C/T	0.027	0.027	0.048	0.047	0.312	27.605
rs77431173	SM C24:0	7	14742864	T/C	0.029	0.029	0.047	0.044	0.289	27.146
rs34121855	SM C24:0	7	73040814	T/G	0.196	0.196	0.040	0.018	0.031	38.189
rs7199285	SM C24:0	16	19980931	C/T	0.183	0.183	0.040	0.020	0.041	22.392
rs62398404	SM C24:0	6	37669616	C/T	0.127	0.127	0.039	0.022	0.078	26.526
rs78621251	SM C24:0	18	63348042	A/G	0.034	0.034	0.035	0.041	0.390	28.508
rs12996547	SM C24:0	2	602036	C/T	0.352	0.352	0.033	0.016	0.033	21.351
rs17203687	SM C24:0	3	127684748	C/T	0.093	0.093	0.033	0.025	0.191	20.586
rs12494242	SM C24:0	3	85413180	T/C	0.319	0.319	0.028	0.016	0.071	19.701
rs142325173	SM C24:0	12	18822872	G/A	0.019	0.019	0.028	0.054	0.610	21.598
rs6829572	SM C24:0	4	93984155	G/A	0.465	0.465	0.028	0.015	0.062	31.349
rs12355804	SM C24:0	10	3535854	C/T	0.072	0.072	0.027	0.028	0.343	24.055
rs17573452	SM C24:0	12	60224839	C/T	0.190	0.190	0.026	0.018	0.166	27.214
rs7208329	SM C24:0	17	33128801	C/T	0.026	0.026	0.025	0.049	0.602	21.783
rs963778	SM C24:0	14	27009199	A/C	0.244	0.244	0.024	0.017	0.156	20.608
rs8073904	SM C24:0	17	79095144	G/A	0.859	0.141	0.023	0.023	0.302	24.538
rs61995216	SM C24:0	14	80103620	A/G	0.055	0.055	0.023	0.032	0.485	23.252
rs7204652	SM C24:0	16	5675613	T/C	0.195	0.195	0.022	0.019	0.238	38.707
rs184406487	SM C24:0	1	198791227	C/T	0.028	0.028	0.021	0.045	0.642	20.179
rs9829222	SM C24:0	3	175671153	C/T	0.238	0.238	0.020	0.017	0.252	30.981
rs9464192	SM C24:0	6	54987759	C/T	0.573	0.427	0.019	0.015	0.188	27.538
rs429358	SM C24:0	19	45411941	T/C	0.147	0.147	0.018	0.021	0.385	48.360
rs942038	SM C24:0	13	112682875	A/G	0.696	0.304	0.018	0.016	0.257	21.212
rs12588402	SM C24:0	14	29738282	A/G	0.577	0.423	0.017	0.015	0.246	22.932
rs3964074	SM C24:0	16	74166991	T/C	0.535	0.465	0.016	0.015	0.282	32.094
rs1193333	SM C24:0	7	127609301	A/G	0.640	0.360	0.015	0.015	0.306	29.915

rs76218094	SM C24:0	2	176215906	A/G	0.092	0.092	0.015	0.026	0.564	25.687
rs114210747	SM C24:0	5	144214142	C/T	0.081	0.081	0.014	0.027	0.592	27.954
rs62107261	SM C24:0	2	422144	T/C	0.051	0.051	0.014	0.034	0.681	31.903
rs7015	SM C24:0	7	97920623	A/G	0.809	0.191	0.014	0.019	0.454	20.665
rs11743441	SM C24:0	5	88065637	G/T	0.578	0.422	0.013	0.015	0.380	29.279
rs62266239	SM C24:0	3	116750431	C/T	0.140	0.140	0.013	0.021	0.541	31.621
rs28742222	SM C24:0	7	40176752	G/T	0.420	0.420	0.012	0.015	0.416	22.104
rs1504708	SM C24:0	11	99252012	A/G	0.481	0.481	0.012	0.015	0.422	20.060
rs138067	SM C24:0	22	44227556	A/G	0.428	0.428	0.011	0.015	0.475	22.798
rs11633261	SM C24:0	15	25251310	G/T	0.459	0.459	0.010	0.015	0.500	22.266
rs35783535	SM C24:0	2	98623227	G/A	0.381	0.381	0.010	0.015	0.511	20.573
rs72973055	SM C24:0	19	3353494	G/A	0.204	0.204	0.010	0.019	0.595	28.515
rs190489703	SM C24:0	12	53745262	A/G	0.011	0.011	0.010	0.074	0.895	20.399
rs9372122	SM C24:0	6	106742454	G/A	0.437	0.437	0.010	0.015	0.520	20.350
rs742359	SM C24:0	1	1715011	C/A	0.268	0.268	0.008	0.016	0.622	22.904
rs7812804	SM C24:0	8	59791586	C/T	0.240	0.240	0.007	0.018	0.681	20.685
rs1698114	SM C24:0	19	49259854	A/G	0.491	0.491	0.006	0.016	0.715	33.296
rs2222760	SM C24:0	2	151345113	G/A	0.277	0.277	0.006	0.017	0.734	36.656
rs10500285	SM C24:0	19	42672760	C/T	0.117	0.117	0.005	0.023	0.812	21.620
rs2938609	SM C24:0	6	39700434	G/A	0.414	0.414	0.005	0.015	0.733	21.363
rs2726033	SM C24:0	16	28338039	A/G	0.422	0.422	0.005	0.015	0.743	37.449
rs795437	SM C24:0	3	30804170	T/C	0.458	0.458	0.004	0.015	0.772	20.054
rs78351874	SM C24:0	2	200472560	C/T	0.095	0.095	0.004	0.025	0.876	26.625
rs2096352	SM C24:0	10	92439106	T/G	0.418	0.418	0.004	0.015	0.807	22.192
rs1967840	SM C24:0	10	112026082	A/G	0.184	0.184	0.003	0.019	0.860	23.049
rs77437455	SM C24:0	3	174900715	A/G	0.048	0.048	0.003	0.038	0.936	19.823
rs2028935	SM C24:0	5	19607413	A/C	0.481	0.481	0.003	0.015	0.843	21.883
rs56389750	SM C24:0	3	62399917	C/T	0.271	0.271	0.003	0.017	0.867	31.074
rs72952553	SM C24:0	2	217481516	G/A	0.302	0.302	0.003	0.017	0.873	21.726
rs224064	SM C24:0	10	64504212	T/C	0.596	0.404	0.002	0.015	0.888	24.795
rs660880	SM C24:0	1	6866978	G/A	0.514	0.486	0.002	0.015	0.905	42.910
rs11100930	SM C24:0	4	147591808	G/A	0.872	0.128	0.001	0.022	0.954	27.384
rs9317624	SM C24:0	13	67506934	C/A	0.440	0.440	0.001	0.016	0.967	27.770

rs57318525	SM C24:0	6	104614058	A/C	0.435	0.435	0.000	0.015	0.986	21.548
rs4486004	SM C24:0	6	26167710	G/T	0.231	0.231	0.000	0.017	0.994	22.893
rs11231296	SM C24:0	11	62758580	T/C	0.218	0.218	0.000	0.018	0.997	22.290
rs114114265	SM C24:0	2	79806712	G/A	0.050	0.050	0.000	0.034	0.991	19.609
rs11039028	SM C24:0	11	46944196	G/A	0.233	0.233	-0.001	0.017	0.978	23.725
rs62169335	SM C24:0	2	147946069	C/T	0.547	0.453	-0.001	0.015	0.946	29.062
rs62469212	SM C24:0	7	113934926	C/A	0.467	0.467	-0.001	0.015	0.947	20.048
rs13002164	SM C24:0	2	56680788	C/T	0.059	0.059	-0.001	0.031	0.972	22.241
rs74629965	SM C24:0	6	51185853	T/G	0.071	0.071	-0.001	0.029	0.969	28.841
rs12154057	SM C24:0	6	161867419	A/C	0.390	0.390	-0.001	0.015	0.936	22.525
rs4837943	SM C24:0	9	124882085	C/T	0.209	0.209	-0.002	0.019	0.924	19.908
rs9868223	SM C24:0	3	81724327	C/T	0.179	0.179	-0.002	0.019	0.925	27.510
rs13262595	SM C24:0	8	143316970	A/G	0.554	0.446	-0.002	0.015	0.879	36.221
rs2490323	SM C24:0	1	65985736	C/T	0.181	0.181	-0.002	0.019	0.905	20.871
rs74697766	SM C24:0	4	105732919	T/C	0.082	0.082	-0.004	0.027	0.897	19.820
rs13147920	SM C24:0	4	181245804	C/T	0.390	0.390	-0.004	0.015	0.802	23.379
rs7628382	SM C24:0	3	70641810	A/G	0.443	0.443	-0.004	0.015	0.785	22.690
rs12051465	SM C24:0	16	49551403	G/T	0.231	0.231	-0.005	0.018	0.798	21.281
rs10753761	SM C24:0	1	167584973	A/G	0.816	0.184	-0.006	0.020	0.779	20.338
rs34722489	SM C24:0	5	127856954	C/A	0.243	0.243	-0.006	0.017	0.708	19.340
rs17107024	SM C24:0	14	69961658	T/C	0.133	0.133	-0.007	0.022	0.738	23.746
rs1711171	SM C24:0	3	136020541	T/C	0.756	0.244	-0.007	0.017	0.670	31.945
rs11772832	SM C24:0	7	135073047	T/C	0.402	0.402	-0.009	0.015	0.545	26.000
rs1958801	SM C24:0	14	98872110	A/G	0.274	0.274	-0.009	0.016	0.577	27.583
rs12232839	SM C24:0	19	34090242	T/G	0.896	0.104	-0.009	0.024	0.695	21.229
rs9297663	SM C24:0	8	123728686	A/G	0.169	0.169	-0.010	0.020	0.605	20.544
rs12658015	SM C24:0	5	164493306	A/G	0.643	0.357	-0.011	0.015	0.478	36.443
rs6845321	SM C24:0	4	113595869	C/T	0.306	0.306	-0.012	0.016	0.445	19.870
rs4936119	SM C24:0	11	112486568	C/A	0.264	0.264	-0.012	0.017	0.456	26.834
rs673696	SM C24:0	11	31097262	C/T	0.082	0.082	-0.012	0.026	0.640	31.739
rs2568712	SM C24:0	11	91407305	T/G	0.581	0.419	-0.013	0.015	0.386	26.788
rs2678900	SM C24:0	2	58177683	T/G	0.428	0.428	-0.013	0.015	0.376	51.716
rs77529617	SM C24:0	17	16502271	C/T	0.115	0.115	-0.013	0.023	0.563	31.223

rs6960970	SM C24:0	7	14207740	T/C	0.803	0.197	-0.013	0.019	0.490	20.913
rs75210106	SM C24:0	2	113246436	C/T	0.172	0.172	-0.014	0.019	0.466	20.244
rs16926787	SM C24:0	9	126506289	G/T	0.081	0.081	-0.015	0.027	0.574	21.298
rs136548	SM C24:0	22	27253353	C/T	0.375	0.375	-0.015	0.015	0.307	33.768
rs11090045	SM C24:0	22	41753603	G/A	0.296	0.296	-0.016	0.016	0.334	39.113
rs10276580	SM C24:0	7	11772539	T/G	0.727	0.273	-0.016	0.016	0.313	23.545
rs17547360	SM C24:0	12	30169738	T/C	0.247	0.247	-0.016	0.017	0.334	19.871
rs2426605	SM C24:0	20	54869080	A/C	0.339	0.339	-0.019	0.015	0.227	21.951
rs72759867	SM C24:0	1	243578188	T/C	0.104	0.104	-0.019	0.024	0.440	27.249
rs6897617	SM C24:0	5	173301982	G/A	0.288	0.288	-0.020	0.016	0.218	22.000
rs3810818	SM C24:0	16	4432029	A/C	0.765	0.235	-0.020	0.017	0.242	26.319
rs4742644	SM C24:0	9	9959413	T/C	0.251	0.251	-0.021	0.017	0.201	22.777
rs276447	SM C24:0	9	15581302	C/T	0.480	0.480	-0.022	0.015	0.139	77.627
rs11023757	SM C24:0	11	15902219	T/C	0.254	0.254	-0.022	0.017	0.186	20.241
rs62266118	SM C24:0	3	115124821	A/G	0.195	0.195	-0.022	0.019	0.238	20.670
rs9936121	SM C24:0	16	76123518	T/G	0.316	0.316	-0.023	0.016	0.142	24.111
rs6889815	SM C24:0	5	25302404	A/C	0.124	0.124	-0.024	0.022	0.291	19.465
rs1370239	SM C24:0	16	64291189	A/G	0.566	0.434	-0.025	0.015	0.095	24.957
rs2174239	SM C24:0	14	93885496	T/C	0.867	0.133	-0.025	0.022	0.244	21.143
rs28533070	SM C24:0	15	97177443	G/A	0.100	0.100	-0.027	0.025	0.275	31.584
rs12643496	SM C24:0	4	172492327	G/A	0.858	0.143	-0.031	0.021	0.148	23.522
rs9590216	SM C24:0	13	95905305	T/C	0.146	0.146	-0.034	0.021	0.105	20.505
rs2439945	SM C24:0	17	5124462	C/T	0.195	0.195	-0.034	0.019	0.068	22.216
rs79644827	SM C24:0	8	84739529	G/A	0.017	0.017	-0.038	0.058	0.512	23.578
rs2643174	SM C24:0	3	164393607	G/A	0.155	0.155	-0.039	0.020	0.054	19.612
rs142036050	SM C24:0	14	33729481	T/C	0.017	0.017	-0.040	0.061	0.511	23.457
rs3000677	SM C24:0	13	21298026	G/A	0.840	0.160	-0.044	0.020	0.029	20.978
rs9653713	SM C24:0	21	35219643	C/A	0.010	0.010	-0.047	0.082	0.564	20.099
rs1458820	SM C24:0	4	55990353	G/A	0.937	0.063	-0.052	0.030	0.085	24.169
rs111299612	SM C24:0	18	25461937	G/A	0.034	0.034	-0.056	0.047	0.240	20.795
rs141407174	SM C24:0	7	103178027	C/T	0.017	0.017	-0.061	0.059	0.301	22.580
rs78621251	lysoPC a C20:4	18	63348042	A/G	0.034	0.034	0.062	0.039	0.111	28.508
rs77431173	lysoPC a C20:4	7	14742864	T/C	0.029	0.029	0.060	0.042	0.156	27.146

rs12232839	lysoPC a C20:4	19	34090242	T/G	0.896	0.104	0.048	0.023	0.033	21.229
rs61995216	lysoPC a C20:4	14	80103620	A/G	0.055	0.055	0.043	0.031	0.162	23.252
rs429358	lysoPC a C20:4	19	45411941	T/C	0.147	0.147	0.042	0.020	0.038	48.360
rs190489703	lysoPC a C20:4	12	53745262	A/G	0.011	0.011	0.041	0.071	0.561	20.399
rs2439945	lysoPC a C20:4	17	5124462	C/T	0.195	0.195	0.041	0.018	0.025	22.216
rs7199285	lysoPC a C20:4	16	19980931	C/T	0.183	0.183	0.038	0.019	0.040	22.392
rs12355804	lysoPC a C20:4	10	3535854	C/T	0.072	0.072	0.036	0.027	0.180	24.055
rs12051465	lysoPC a C20:4	16	49551403	G/T	0.231	0.231	0.036	0.017	0.034	21.281
rs2096352	lysoPC a C20:4	10	92439106	T/G	0.418	0.418	0.030	0.014	0.033	22.192
rs3909727	lysoPC a C20:4	11	126587382	A/G	0.832	0.168	0.029	0.018	0.113	36.536
rs62169335	lysoPC a C20:4	2	147946069	C/T	0.548	0.453	0.028	0.014	0.048	29.062
rs795437	lysoPC a C20:4	3	30804170	T/C	0.458	0.458	0.028	0.014	0.046	20.054
rs7812804	lysoPC a C20:4	8	59791586	C/T	0.240	0.240	0.027	0.017	0.117	20.685
rs12494242	lysoPC a C20:4	3	85413180	T/C	0.319	0.319	0.027	0.015	0.077	19.701
rs11633261	lysoPC a C20:4	15	25251310	G/T	0.459	0.459	0.024	0.014	0.088	22.266
rs77437455	lysoPC a C20:4	3	174900715	A/G	0.048	0.048	0.024	0.036	0.513	19.823
rs35783535	lysoPC a C20:4	2	98623227	G/A	0.381	0.381	0.023	0.015	0.107	20.573
rs136548	lysoPC a C20:4	22	27253353	C/T	0.375	0.375	0.023	0.014	0.110	33.768
rs1504708	lysoPC a C20:4	11	99252012	A/G	0.481	0.481	0.023	0.014	0.098	20.060
rs72973055	lysoPC a C20:4	19	3353494	G/A	0.204	0.204	0.022	0.018	0.227	28.515
rs114114265	lysoPC a C20:4	2	79806712	G/A	0.050	0.050	0.021	0.032	0.509	19.609
rs142325173	lysoPC a C20:4	12	18822872	G/A	0.019	0.019	0.020	0.052	0.702	21.598
rs72952553	lysoPC a C20:4	2	217481516	G/A	0.302	0.302	0.018	0.016	0.252	21.726
rs61836106	lysoPC a C20:4	10	2639003	G/A	0.104	0.104	0.018	0.023	0.441	27.000
rs28742222	lysoPC a C20:4	7	40176752	G/T	0.420	0.420	0.018	0.014	0.211	22.104
rs2222760	lysoPC a C20:4	2	151345113	G/A	0.277	0.277	0.015	0.016	0.332	36.656
rs942038	lysoPC a C20:4	13	112682875	A/G	0.696	0.304	0.014	0.015	0.361	21.212
rs12996547	lysoPC a C20:4	2	602036	C/T	0.352	0.352	0.014	0.015	0.351	21.351
rs10500285	lysoPC a C20:4	19	42672760	C/T	0.117	0.117	0.013	0.022	0.542	21.620
rs2490323	lysoPC a C20:4	1	65985736	C/T	0.181	0.181	0.013	0.018	0.461	20.871
rs12658015	lysoPC a C20:4	5	164493306	A/G	0.643	0.357	0.013	0.015	0.374	36.443
rs3964074	lysoPC a C20:4	16	74166991	T/C	0.535	0.465	0.013	0.014	0.350	32.094
rs9829222	lysoPC a C20:4	3	175671153	C/T	0.238	0.238	0.013	0.017	0.445	30.981

rs10276580	lysoPC a C20:4	7	11772539	T/G	0.727	0.273	0.012	0.015	0.428	23.545
rs1967840	lysoPC a C20:4	10	112026082	A/G	0.184	0.184	0.010	0.018	0.563	23.049
rs13002164	lysoPC a C20:4	2	56680788	C/T	0.059	0.059	0.010	0.030	0.749	22.241
rs9372122	lysoPC a C20:4	6	106742454	G/A	0.437	0.437	0.010	0.014	0.497	20.350
rs2426605	lysoPC a C20:4	20	54869080	A/C	0.339	0.339	0.009	0.015	0.529	21.951
rs10753761	lysoPC a C20:4	1	167584973	A/G	0.816	0.184	0.009	0.019	0.644	20.338
rs184406487	lysoPC a C20:4	1	198791227	C/T	0.028	0.028	0.008	0.043	0.851	20.179
rs2938609	lysoPC a C20:4	6	39700434	G/A	0.414	0.414	0.008	0.014	0.572	21.363
rs8073904	lysoPC a C20:4	17	79095144	G/A	0.859	0.141	0.007	0.022	0.746	24.538
rs660880	lysoPC a C20:4	1	6866978	G/A	0.514	0.486	0.007	0.014	0.632	42.910
rs2643174	lysoPC a C20:4	3	164393607	G/A	0.155	0.155	0.006	0.019	0.739	19.612
rs62266118	lysoPC a C20:4	3	115124821	A/G	0.195	0.195	0.006	0.018	0.726	20.670
rs11039028	lysoPC a C20:4	11	46944196	G/A	0.233	0.233	0.006	0.016	0.728	23.725
rs1958801	lysoPC a C20:4	14	98872110	A/G	0.274	0.274	0.005	0.016	0.771	27.583
rs1370239	lysoPC a C20:4	16	64291189	A/G	0.566	0.434	0.004	0.014	0.772	24.957
rs2028935	lysoPC a C20:4	5	19607413	A/C	0.481	0.481	0.004	0.014	0.804	21.883
rs62398404	lysoPC a C20:4	6	37669616	C/T	0.127	0.127	0.004	0.021	0.867	26.526
rs1193333	lysoPC a C20:4	7	127609301	A/G	0.640	0.360	0.003	0.014	0.820	29.915
rs224064	lysoPC a C20:4	10	64504212	T/C	0.596	0.404	0.003	0.014	0.822	24.795
rs142036050	lysoPC a C20:4	14	33729481	T/C	0.017	0.017	0.003	0.059	0.966	23.457
rs9317624	lysoPC a C20:4	13	67506934	C/A	0.440	0.440	0.002	0.015	0.875	27.770
rs114210747	lysoPC a C20:4	5	144214142	C/T	0.081	0.081	0.002	0.026	0.928	27.954
rs17107024	lysoPC a C20:4	14	69961658	T/C	0.133	0.133	0.002	0.021	0.930	23.746
rs742359	lysoPC a C20:4	1	1715011	C/A	0.268	0.268	0.001	0.016	0.946	22.904
rs11100930	lysoPC a C20:4	4	147591808	G/A	0.872	0.128	0.001	0.021	0.974	27.384
rs4742644	lysoPC a C20:4	9	9959413	T/C	0.251	0.251	0.000	0.016	0.981	22.777
rs963778	lysoPC a C20:4	14	27009199	A/C	0.244	0.244	0.000	0.016	0.987	20.608
rs34121855	lysoPC a C20:4	7	73040814	T/G	0.196	0.196	0.000	0.018	0.999	38.189
rs6889815	lysoPC a C20:4	5	25302404	A/C	0.124	0.124	-0.001	0.021	0.970	19.465
rs2678900	lysoPC a C20:4	2	58177683	T/G	0.428	0.428	-0.002	0.014	0.902	51.716
rs11743441	lysoPC a C20:4	5	88065637	G/T	0.578	0.422	-0.002	0.014	0.898	29.279
rs11772832	lysoPC a C20:4	7	135073047	T/C	0.402	0.402	-0.002	0.014	0.872	26.000
rs673696	lysoPC a C20:4	11	31097262	C/T	0.082	0.082	-0.003	0.025	0.920	31.739

rs13262595	lysoPC a C20:4	8	143316970	A/G	0.554	0.446	-0.003	0.014	0.853	36.221
rs75210106	lysoPC a C20:4	2	113246436	C/T	0.172	0.172	-0.003	0.019	0.870	20.244
rs138067	lysoPC a C20:4	22	44227556	A/G	0.428	0.428	-0.003	0.014	0.821	22.798
rs7204652	lysoPC a C20:4	16	5675613	T/C	0.195	0.195	-0.003	0.018	0.855	38.707
rs9936121	lysoPC a C20:4	16	76123518	T/G	0.316	0.316	-0.004	0.015	0.791	24.111
rs72759867	lysoPC a C20:4	1	243578188	T/C	0.104	0.104	-0.004	0.023	0.855	27.249
rs9297663	lysoPC a C20:4	8	123728686	A/G	0.169	0.169	-0.005	0.019	0.807	20.544
rs56389750	lysoPC a C20:4	3	62399917	C/T	0.271	0.271	-0.005	0.016	0.763	31.074
rs12588402	lysoPC a C20:4	14	29738282	A/G	0.577	0.423	-0.006	0.014	0.687	22.932
rs9590216	lysoPC a C20:4	13	95905305	T/C	0.146	0.146	-0.006	0.020	0.770	20.505
rs1698114	lysoPC a C20:4	19	49259854	A/G	0.490	0.490	-0.006	0.015	0.674	33.296
rs6845321	lysoPC a C20:4	4	113595869	C/T	0.306	0.306	-0.006	0.015	0.675	19.870
rs17203687	lysoPC a C20:4	3	127684748	C/T	0.093	0.093	-0.007	0.024	0.787	20.586
rs12154057	lysoPC a C20:4	6	161867419	A/C	0.390	0.390	-0.007	0.015	0.646	22.525
rs141934869	lysoPC a C20:4	8	27775477	G/T	0.012	0.012	-0.008	0.066	0.905	24.322
rs4936119	lysoPC a C20:4	11	112486568	C/A	0.264	0.264	-0.009	0.016	0.586	26.834
rs62266239	lysoPC a C20:4	3	116750431	C/T	0.140	0.140	-0.010	0.020	0.641	31.621
rs6960970	lysoPC a C20:4	7	14207740	T/C	0.803	0.198	-0.010	0.019	0.602	20.913
rs2568712	lysoPC a C20:4	11	91407305	T/G	0.581	0.419	-0.010	0.014	0.485	26.788
rs7628382	lysoPC a C20:4	3	70641810	A/G	0.443	0.443	-0.011	0.014	0.455	22.690
rs11231296	lysoPC a C20:4	11	62758580	T/C	0.218	0.218	-0.011	0.017	0.520	22.290
rs4486004	lysoPC a C20:4	6	26167710	G/T	0.231	0.231	-0.012	0.016	0.468	22.893
rs6897617	lysoPC a C20:4	5	173301982	G/A	0.288	0.288	-0.013	0.015	0.400	22.000
rs28533070	lysoPC a C20:4	15	97177443	G/A	0.100	0.100	-0.013	0.024	0.584	31.584
rs111299612	lysoPC a C20:4	18	25461937	G/A	0.034	0.034	-0.013	0.045	0.770	20.795
rs9464192	lysoPC a C20:4	6	54987759	C/T	0.573	0.427	-0.014	0.014	0.313	27.538
rs276447	lysoPC a C20:4	9	15581302	C/T	0.480	0.480	-0.014	0.014	0.305	77.627
rs11090045	lysoPC a C20:4	22	41753603	G/A	0.296	0.296	-0.014	0.016	0.355	39.113
rs16926787	lysoPC a C20:4	9	126506289	G/T	0.081	0.081	-0.015	0.026	0.571	21.298
rs1711171	lysoPC a C20:4	3	136020541	T/C	0.756	0.244	-0.015	0.016	0.361	31.945
rs6829572	lysoPC a C20:4	4	93984155	G/A	0.465	0.465	-0.015	0.014	0.293	31.349
rs7208329	lysoPC a C20:4	17	33128801	C/T	0.026	0.026	-0.015	0.047	0.749	21.783
rs62469212	lysoPC a C20:4	7	113934926	C/A	0.467	0.467	-0.015	0.015	0.306	20.048

rs13147920	lysoPC a C20:4	4	181245804	C/T	0.390	0.390	-0.016	0.014	0.267	23.379
rs17573452	lysoPC a C20:4	12	60224839	C/T	0.190	0.190	-0.016	0.018	0.352	27.214
rs2174239	lysoPC a C20:4	14	93885496	T/C	0.867	0.133	-0.017	0.021	0.424	21.143
rs1458820	lysoPC a C20:4	4	55990353	G/A	0.937	0.063	-0.017	0.029	0.562	24.169
rs74629965	lysoPC a C20:4	6	51185853	T/G	0.071	0.071	-0.017	0.027	0.540	28.841
rs114244865	lysoPC a C20:4	4	129967492	C/T	0.027	0.027	-0.018	0.045	0.692	27.605
rs7015	lysoPC a C20:4	7	97920623	A/G	0.809	0.191	-0.018	0.018	0.310	20.665
rs2726033	lysoPC a C20:4	16	28338039	A/G	0.422	0.422	-0.020	0.014	0.170	37.449
rs77529617	lysoPC a C20:4	17	16502271	C/T	0.115	0.115	-0.021	0.022	0.339	31.223
rs3810818	lysoPC a C20:4	16	4432029	A/C	0.765	0.235	-0.021	0.016	0.196	26.319
rs78351874	lysoPC a C20:4	2	200472560	C/T	0.095	0.095	-0.025	0.024	0.312	26.625
rs17547360	lysoPC a C20:4	12	30169738	T/C	0.247	0.247	-0.025	0.016	0.117	19.871
rs34722489	lysoPC a C20:4	5	127856954	C/A	0.243	0.243	-0.026	0.016	0.110	19.340
rs3000677	lysoPC a C20:4	13	21298026	G/A	0.840	0.160	-0.027	0.019	0.156	20.978
rs12643496	lysoPC a C20:4	4	172492327	G/A	0.858	0.143	-0.030	0.020	0.138	23.522
rs79644827	lysoPC a C20:4	8	84739529	G/A	0.017	0.017	-0.032	0.055	0.564	23.578
rs57318525	lysoPC a C20:4	6	104614058	A/C	0.435	0.435	-0.032	0.014	0.027	21.548
rs76218094	lysoPC a C20:4	2	176215906	A/G	0.092	0.092	-0.034	0.024	0.163	25.687
rs9868223	lysoPC a C20:4	3	81724327	C/T	0.179	0.179	-0.035	0.018	0.050	27.510
rs4837943	lysoPC a C20:4	9	124882085	C/T	0.209	0.209	-0.042	0.018	0.017	19.908
rs11023757	lysoPC a C20:4	11	15902219	T/C	0.254	0.254	-0.043	0.016	0.006	20.241
rs74697766	lysoPC a C20:4	4	105732919	T/C	0.082	0.082	-0.053	0.026	0.040	19.820
rs141407174	lysoPC a C20:4	7	103178027	C/T	0.017	0.017	-0.055	0.056	0.324	22.580
rs62107261	lysoPC a C20:4	2	422144	T/C	0.051	0.051	-0.058	0.033	0.078	31.903
rs9653713	lysoPC a C20:4	21	35219643	C/A	0.010	0.010	-0.059	0.078	0.455	20.099
rs9653713	lysoPC a C26:0	21	35219643	C/A	0.010	0.010	0.155	0.083	0.061	20.099
rs78621251	lysoPC a C26:0	18	63348042	A/G	0.034	0.034	0.069	0.041	0.096	28.508
rs61836106	lysoPC a C26:0	10	2639003	G/A	0.104	0.104	0.061	0.024	0.012	27.000
rs7204652	lysoPC a C26:0	16	5675613	T/C	0.195	0.195	0.039	0.019	0.039	38.707
rs141934869	lysoPC a C26:0	8	27775477	G/T	0.012	0.012	0.039	0.070	0.577	24.322
rs111299612	lysoPC a C26:0	18	25461937	G/A	0.034	0.034	0.033	0.048	0.485	20.795
rs6845321	lysoPC a C26:0	4	113595869	C/T	0.306	0.306	0.029	0.016	0.067	19.870
rs1958801	lysoPC a C26:0	14	98872110	A/G	0.274	0.274	0.029	0.017	0.080	27.583

rs429358	lysoPC a C26:0	19	45411941	T/C	0.147	0.147	0.028	0.021	0.184	48.360
rs141407174	lysoPC a C26:0	7	103178027	C/T	0.017	0.017	0.028	0.059	0.633	22.580
rs1504708	lysoPC a C26:0	11	99252012	A/G	0.481	0.481	0.028	0.015	0.061	20.060
rs28742222	lysoPC a C26:0	7	40176752	G/T	0.420	0.420	0.027	0.015	0.071	22.104
rs2028935	lysoPC a C26:0	5	19607413	A/C	0.481	0.481	0.025	0.015	0.090	21.883
rs673696	lysoPC a C26:0	11	31097262	C/T	0.082	0.082	0.025	0.027	0.344	31.739
rs10500285	lysoPC a C26:0	19	42672760	C/T	0.117	0.117	0.024	0.023	0.296	21.620
rs2490323	lysoPC a C26:0	1	65985736	C/T	0.181	0.181	0.023	0.019	0.218	20.871
rs742359	lysoPC a C26:0	1	1715011	C/A	0.268	0.268	0.023	0.017	0.173	22.904
rs62398404	lysoPC a C26:0	6	37669616	C/T	0.127	0.127	0.022	0.022	0.320	26.526
rs35783535	lysoPC a C26:0	2	98623227	G/A	0.381	0.381	0.020	0.015	0.195	20.573
rs9297663	lysoPC a C26:0	8	123728686	A/G	0.169	0.169	0.019	0.020	0.340	20.544
rs79644827	lysoPC a C26:0	8	84739529	G/A	0.017	0.017	0.018	0.058	0.754	23.578
rs17573452	lysoPC a C26:0	12	60224839	C/T	0.190	0.190	0.018	0.019	0.332	27.214
rs7812804	lysoPC a C26:0	8	59791586	C/T	0.240	0.240	0.018	0.018	0.322	20.685
rs114244865	lysoPC a C26:0	4	129967492	C/T	0.027	0.027	0.017	0.047	0.717	27.605
rs376286858	lysoPC a C26:0	5	46341390	A/C	0.094	0.094	0.017	0.027	0.540	22.959
rs72973055	lysoPC a C26:0	19	3353494	G/A	0.204	0.204	0.016	0.019	0.407	28.515
rs2426605	lysoPC a C26:0	20	54869080	A/C	0.339	0.339	0.016	0.016	0.317	21.951
rs2938609	lysoPC a C26:0	6	39700434	G/A	0.414	0.414	0.015	0.015	0.315	21.363
rs1193333	lysoPC a C26:0	7	127609301	A/G	0.640	0.360	0.014	0.015	0.361	29.915
rs6889815	lysoPC a C26:0	5	25302404	A/C	0.124	0.124	0.013	0.023	0.553	19.465
rs34121855	lysoPC a C26:0	7	73040814	T/G	0.196	0.196	0.013	0.019	0.476	38.189
rs74629965	lysoPC a C26:0	6	51185853	T/G	0.071	0.071	0.013	0.029	0.645	28.841
rs660880	lysoPC a C26:0	1	6866978	G/A	0.514	0.486	0.012	0.015	0.418	42.910
rs11100930	lysoPC a C26:0	4	147591808	G/A	0.872	0.128	0.012	0.022	0.594	27.384
rs9868223	lysoPC a C26:0	3	81724327	C/T	0.179	0.179	0.011	0.019	0.546	27.510
rs375925212	lysoPC a C26:0	2	239484652	T/C	0.114	0.114	0.011	0.027	0.688	20.074
rs79752907	lysoPC a C26:0	2	237010723	C/T	0.442	0.442	0.011	0.018	0.538	19.952
rs4742644	lysoPC a C26:0	9	9959413	T/C	0.251	0.251	0.010	0.017	0.538	22.777
rs10276580	lysoPC a C26:0	7	11772539	T/G	0.727	0.273	0.010	0.016	0.528	23.545
rs1370239	lysoPC a C26:0	16	64291189	A/G	0.566	0.434	0.010	0.015	0.494	24.957
rs12154057	lysoPC a C26:0	6	161867419	A/C	0.390	0.390	0.009	0.016	0.549	22.525

rs2174239	lysoPC a C26:0	14	93885496	T/C	0.867	0.133	0.009	0.022	0.690	21.143
rs2222760	lysoPC a C26:0	2	151345113	G/A	0.277	0.277	0.008	0.017	0.615	36.656
rs3909727	lysoPC a C26:0	11	126587382	A/G	0.832	0.168	0.008	0.019	0.681	36.536
rs3964074	lysoPC a C26:0	16	74166991	T/C	0.535	0.465	0.008	0.015	0.584	32.094
rs12588402	lysoPC a C26:0	14	29738282	A/G	0.577	0.423	0.008	0.015	0.601	22.932
rs12355804	lysoPC a C26:0	10	3535854	C/T	0.072	0.072	0.008	0.029	0.784	24.055
rs77437455	lysoPC a C26:0	3	174900715	A/G	0.048	0.048	0.008	0.038	0.841	19.823
rs2568712	lysoPC a C26:0	11	91407305	T/G	0.581	0.419	0.006	0.015	0.710	26.788
rs11633261	lysoPC a C26:0	15	25251310	G/T	0.459	0.459	0.006	0.015	0.716	22.266
rs13002164	lysoPC a C26:0	2	56680788	C/T	0.059	0.059	0.005	0.032	0.864	22.241
rs12494242	lysoPC a C26:0	3	85413180	T/C	0.319	0.319	0.005	0.016	0.765	19.701
rs76218094	lysoPC a C26:0	2	176215906	A/G	0.092	0.092	0.005	0.026	0.860	25.687
rs62169335	lysoPC a C26:0	2	147946069	C/T	0.548	0.453	0.005	0.015	0.764	29.062
rs942038	lysoPC a C26:0	13	112682875	A/G	0.696	0.304	0.004	0.016	0.795	21.212
rs10753761	lysoPC a C26:0	1	167584973	A/G	0.816	0.184	0.004	0.020	0.859	20.338
rs62266118	lysoPC a C26:0	3	115124821	A/G	0.195	0.195	0.003	0.019	0.863	20.670
rs11231296	lysoPC a C26:0	11	62758580	T/C	0.218	0.218	0.003	0.018	0.870	22.290
rs9464192	lysoPC a C26:0	6	54987759	C/T	0.573	0.427	0.003	0.015	0.849	27.538
rs9590216	lysoPC a C26:0	13	95905305	T/C	0.146	0.146	0.003	0.021	0.895	20.505
rs12996547	lysoPC a C26:0	2	602036	C/T	0.352	0.352	0.002	0.016	0.884	21.351
rs2643174	lysoPC a C26:0	3	164393607	G/A	0.155	0.155	0.002	0.020	0.924	19.612
rs7628382	lysoPC a C26:0	3	70641810	A/G	0.443	0.443	0.002	0.015	0.914	22.690
rs150236091	lysoPC a C26:0	13	55937827	A/G	0.725	0.275	0.001	0.018	0.941	48.553
rs4837943	lysoPC a C26:0	9	124882085	C/T	0.209	0.209	0.001	0.019	0.957	19.908
rs11743441	lysoPC a C26:0	5	88065637	G/T	0.578	0.422	0.001	0.015	0.952	29.279
rs4936119	lysoPC a C26:0	11	112486568	C/A	0.264	0.264	0.001	0.017	0.963	26.834
rs11090045	lysoPC a C26:0	22	41753603	G/A	0.296	0.296	0.001	0.016	0.975	39.113
rs963778	lysoPC a C26:0	14	27009199	A/C	0.244	0.244	0.000	0.017	0.982	20.608
rs2096352	lysoPC a C26:0	10	92439106	T/G	0.418	0.418	0.000	0.015	0.986	22.192
rs184406487	lysoPC a C26:0	1	198791227	C/T	0.028	0.028	-0.001	0.045	0.989	20.179
rs8073904	lysoPC a C26:0	17	79095144	G/A	0.859	0.141	-0.001	0.023	0.974	24.538
rs9372122	lysoPC a C26:0	6	106742454	G/A	0.437	0.437	-0.001	0.015	0.930	20.350
rs17203687	lysoPC a C26:0	3	127684748	C/T	0.093	0.093	-0.002	0.025	0.954	20.586

rs57318525	lysoPC a C26:0	6	104614058	A/C	0.435	0.435	-0.002	0.015	0.917	21.548
rs6897617	lysoPC a C26:0	5	173301982	G/A	0.288	0.288	-0.002	0.016	0.894	22.000
rs795437	lysoPC a C26:0	3	30804170	T/C	0.458	0.458	-0.002	0.015	0.881	20.054
rs136548	lysoPC a C26:0	22	27253353	C/T	0.375	0.375	-0.003	0.015	0.868	33.768
rs12658015	lysoPC a C26:0	5	164493306	A/G	0.643	0.357	-0.003	0.015	0.867	36.443
rs2726033	lysoPC a C26:0	16	28338039	A/G	0.422	0.422	-0.003	0.015	0.861	37.449
rs9317624	lysoPC a C26:0	13	67506934	C/A	0.440	0.440	-0.003	0.016	0.834	27.770
rs9936121	lysoPC a C26:0	16	76123518	T/G	0.316	0.316	-0.004	0.016	0.819	24.111
rs72952553	lysoPC a C26:0	2	217481516	G/A	0.302	0.302	-0.004	0.017	0.811	21.726
rs142325173	lysoPC a C26:0	12	18822872	G/A	0.019	0.019	-0.004	0.054	0.939	21.598
rs138067	lysoPC a C26:0	22	44227556	A/G	0.428	0.428	-0.005	0.015	0.758	22.798
rs1711171	lysoPC a C26:0	3	136020541	T/C	0.756	0.244	-0.005	0.017	0.790	31.945
rs2439945	lysoPC a C26:0	17	5124462	C/T	0.195	0.195	-0.005	0.019	0.810	22.216
rs142036050	lysoPC a C26:0	14	33729481	T/C	0.017	0.017	-0.006	0.062	0.921	23.457
rs12643496	lysoPC a C26:0	4	172492327	G/A	0.858	0.143	-0.006	0.021	0.772	23.522
rs56389750	lysoPC a C26:0	3	62399917	C/T	0.271	0.271	-0.006	0.017	0.711	31.074
rs1967840	lysoPC a C26:0	10	112026082	A/G	0.184	0.184	-0.007	0.019	0.704	23.049
rs62469212	lysoPC a C26:0	7	113934926	C/A	0.467	0.467	-0.008	0.016	0.605	20.048
rs224064	lysoPC a C26:0	10	64504212	T/C	0.596	0.404	-0.008	0.015	0.585	24.795
rs34722489	lysoPC a C26:0	5	127856954	C/A	0.243	0.243	-0.009	0.017	0.617	19.340
rs114210747	lysoPC a C26:0	5	144214142	C/T	0.081	0.081	-0.009	0.027	0.742	27.954
rs62107261	lysoPC a C26:0	2	422144	T/C	0.051	0.051	-0.009	0.035	0.787	31.903
rs61995216	lysoPC a C26:0	14	80103620	A/G	0.055	0.055	-0.009	0.033	0.774	23.252
rs13147920	lysoPC a C26:0	4	181245804	C/T	0.390	0.390	-0.010	0.015	0.510	23.379
rs3810818	lysoPC a C26:0	16	4432029	A/C	0.765	0.235	-0.011	0.017	0.531	26.319
rs7015	lysoPC a C26:0	7	97920623	A/G	0.809	0.191	-0.011	0.019	0.563	20.665
rs74697766	lysoPC a C26:0	4	105732919	T/C	0.082	0.082	-0.011	0.027	0.684	19.820
rs13262595	lysoPC a C26:0	8	143316970	A/G	0.554	0.446	-0.011	0.015	0.440	36.221
rs12051465	lysoPC a C26:0	16	49551403	G/T	0.231	0.231	-0.012	0.018	0.517	21.281
rs7199285	lysoPC a C26:0	16	19980931	C/T	0.183	0.183	-0.013	0.020	0.519	22.392
rs4486004	lysoPC a C26:0	6	26167710	G/T	0.231	0.231	-0.013	0.017	0.452	22.893
rs11039028	lysoPC a C26:0	11	46944196	G/A	0.233	0.233	-0.014	0.017	0.434	23.725
rs6829572	lysoPC a C26:0	4	93984155	G/A	0.465	0.465	-0.014	0.015	0.357	31.349

rs16926787	lysoPC a C26:0	9	126506289	G/T	0.081	0.081	-0.014	0.027	0.603	21.298
rs17547360	lysoPC a C26:0	12	30169738	T/C	0.247	0.247	-0.014	0.017	0.399	19.871
rs12232839	lysoPC a C26:0	19	34090242	T/G	0.896	0.104	-0.015	0.024	0.539	21.229
rs1458820	lysoPC a C26:0	4	55990353	G/A	0.937	0.063	-0.015	0.031	0.613	24.169
rs1698114	lysoPC a C26:0	19	49259854	A/G	0.491	0.491	-0.016	0.016	0.327	33.296
rs7208329	lysoPC a C26:0	17	33128801	C/T	0.026	0.026	-0.016	0.049	0.744	21.783
rs11587743	lysoPC a C26:0	1	91332883	A/C	0.436	0.436	-0.018	0.016	0.274	23.675
rs6960970	lysoPC a C26:0	7	14207740	T/C	0.803	0.198	-0.018	0.020	0.357	20.913
rs11023757	lysoPC a C26:0	11	15902219	T/C	0.254	0.254	-0.021	0.017	0.213	20.241
rs75210106	lysoPC a C26:0	2	113246436	C/T	0.172	0.172	-0.021	0.020	0.274	20.244
rs200768290	lysoPC a C26:0	4	106215109	C/T	0.411	0.411	-0.022	0.016	0.170	28.926
rs2678900	lysoPC a C26:0	2	58177683	T/G	0.428	0.428	-0.023	0.015	0.130	51.716
rs9829222	lysoPC a C26:0	3	175671153	C/T	0.238	0.238	-0.023	0.018	0.186	30.981
rs11772832	lysoPC a C26:0	7	135073047	T/C	0.402	0.402	-0.027	0.015	0.073	26.000
rs190489703	lysoPC a C26:0	12	53745262	A/G	0.011	0.011	-0.030	0.075	0.684	20.399
rs72759867	lysoPC a C26:0	1	243578188	T/C	0.104	0.104	-0.031	0.024	0.209	27.249
rs17107024	lysoPC a C26:0	14	69961658	T/C	0.133	0.133	-0.034	0.022	0.122	23.746
rs62266239	lysoPC a C26:0	3	116750431	C/T	0.140	0.140	-0.035	0.021	0.105	31.621
rs276447	lysoPC a C26:0	9	15581302	C/T	0.480	0.480	-0.036	0.015	0.014	77.627
rs77529617	lysoPC a C26:0	17	16502271	C/T	0.115	0.115	-0.036	0.023	0.118	31.223
rs78351874	lysoPC a C26:0	2	200472560	C/T	0.095	0.095	-0.037	0.026	0.149	26.625
rs28533070	lysoPC a C26:0	15	97177443	G/A	0.100	0.100	-0.040	0.025	0.113	31.584
rs3000677	lysoPC a C26:0	13	21298026	G/A	0.840	0.160	-0.042	0.020	0.038	20.978
rs114114265	lysoPC a C26:0	2	79806712	G/A	0.050	0.050	-0.044	0.034	0.196	19.609
rs77431173	lysoPC a C26:0	7	14742864	T/C	0.029	0.029	-0.044	0.045	0.321	27.146
rs9653713	lysoPC a C28:1	21	35219643	C/A	0.010	0.010	0.126	0.082	0.126	20.099
rs78621251	lysoPC a C28:1	18	63348042	A/G	0.034	0.034	0.076	0.041	0.064	28.508
rs429358	lysoPC a C28:1	19	45411941	T/C	0.147	0.147	0.068	0.021	0.001	48.360
rs61836106	lysoPC a C28:1	10	2639003	G/A	0.104	0.104	0.050	0.024	0.039	27.000
rs141934869	lysoPC a C28:1	8	27775477	G/T	0.012	0.012	0.046	0.069	0.510	24.322
rs190489703	lysoPC a C28:1	12	53745262	A/G	0.011	0.011	0.040	0.074	0.590	20.399
rs1504708	lysoPC a C28:1	11	99252012	A/G	0.481	0.481	0.038	0.015	0.009	20.060
rs7204652	lysoPC a C28:1	16	5675613	T/C	0.195	0.195	0.034	0.019	0.067	38.707

rs673696	lysoPC a C28:1	11	31097262	C/T	0.082	0.082	0.033	0.027	0.207	31.739
rs12355804	lysoPC a C28:1	10	3535854	C/T	0.072	0.072	0.032	0.028	0.255	24.055
rs13002164	lysoPC a C28:1	2	56680788	C/T	0.059	0.059	0.028	0.032	0.383	22.241
rs28742222	lysoPC a C28:1	7	40176752	G/T	0.420	0.420	0.025	0.015	0.092	22.104
rs3909727	lysoPC a C28:1	11	126587382	A/G	0.832	0.168	0.025	0.019	0.201	36.536
rs114244865	lysoPC a C28:1	4	129967492	C/T	0.027	0.027	0.025	0.047	0.603	27.605
rs1958801	lysoPC a C28:1	14	98872110	A/G	0.274	0.274	0.024	0.016	0.146	27.583
rs742359	lysoPC a C28:1	1	1715011	C/A	0.268	0.268	0.023	0.016	0.157	22.904
rs2490323	lysoPC a C28:1	1	65985736	C/T	0.181	0.181	0.023	0.019	0.227	20.871
rs2938609	lysoPC a C28:1	6	39700434	G/A	0.414	0.414	0.020	0.015	0.177	21.363
rs7208329	lysoPC a C28:1	17	33128801	C/T	0.026	0.026	0.020	0.049	0.690	21.783
rs2028935	lysoPC a C28:1	5	19607413	A/C	0.481	0.481	0.019	0.015	0.205	21.883
rs72973055	lysoPC a C28:1	19	3353494	G/A	0.204	0.204	0.018	0.019	0.328	28.515
rs61995216	lysoPC a C28:1	14	80103620	A/G	0.055	0.055	0.018	0.033	0.584	23.252
rs62398404	lysoPC a C28:1	6	37669616	C/T	0.127	0.127	0.015	0.022	0.489	26.526
rs35783535	lysoPC a C28:1	2	98623227	G/A	0.381	0.381	0.015	0.015	0.335	20.573
rs2439945	lysoPC a C28:1	17	5124462	C/T	0.195	0.195	0.015	0.019	0.443	22.216
rs11743441	lysoPC a C28:1	5	88065637	G/T	0.578	0.422	0.014	0.015	0.335	29.279
rs136548	lysoPC a C28:1	22	27253353	C/T	0.375	0.375	0.014	0.015	0.349	33.768
rs1193333	lysoPC a C28:1	7	127609301	A/G	0.640	0.360	0.013	0.015	0.380	29.915
rs9297663	lysoPC a C28:1	8	123728686	A/G	0.169	0.169	0.013	0.020	0.503	20.544
rs10500285	lysoPC a C28:1	19	42672760	C/T	0.117	0.117	0.013	0.023	0.573	21.620
rs3964074	lysoPC a C28:1	16	74166991	T/C	0.535	0.465	0.013	0.015	0.384	32.094
rs795437	lysoPC a C28:1	3	30804170	T/C	0.458	0.458	0.013	0.015	0.397	20.054
rs942038	lysoPC a C28:1	13	112682875	A/G	0.696	0.304	0.012	0.016	0.448	21.212
rs10753761	lysoPC a C28:1	1	167584973	A/G	0.816	0.184	0.012	0.020	0.535	20.338
rs4742644	lysoPC a C28:1	9	9959413	T/C	0.251	0.251	0.011	0.017	0.515	22.777
rs56389750	lysoPC a C28:1	3	62399917	C/T	0.271	0.271	0.010	0.017	0.551	31.074
rs6845321	lysoPC a C28:1	4	113595869	C/T	0.306	0.306	0.010	0.016	0.536	19.870
rs184406487	lysoPC a C28:1	1	198791227	C/T	0.028	0.028	0.010	0.045	0.830	20.179
rs7199285	lysoPC a C28:1	16	19980931	C/T	0.183	0.183	0.010	0.020	0.621	22.392
rs11100930	lysoPC a C28:1	4	147591808	G/A	0.872	0.128	0.009	0.022	0.678	27.384
rs9317624	lysoPC a C28:1	13	67506934	C/A	0.439	0.439	0.009	0.016	0.578	27.770

rs12588402	lysoPC a C28:1	14	29738282	A/G	0.577	0.423	0.008	0.015	0.582	22.932
rs62169335	lysoPC a C28:1	2	147946069	C/T	0.548	0.453	0.008	0.015	0.581	29.062
rs12658015	lysoPC a C28:1	5	164493306	A/G	0.643	0.357	0.008	0.015	0.601	36.443
rs12051465	lysoPC a C28:1	16	49551403	G/T	0.231	0.231	0.008	0.018	0.651	21.281
rs1967840	lysoPC a C28:1	10	112026082	A/G	0.184	0.184	0.008	0.019	0.684	23.049
rs7812804	lysoPC a C28:1	8	59791586	C/T	0.240	0.240	0.007	0.018	0.680	20.685
rs74629965	lysoPC a C28:1	6	51185853	T/G	0.071	0.071	0.007	0.029	0.801	28.841
rs17573452	lysoPC a C28:1	12	60224839	C/T	0.190	0.190	0.007	0.018	0.715	27.214
rs2426605	lysoPC a C28:1	20	54869080	A/C	0.339	0.339	0.007	0.016	0.663	21.951
rs963778	lysoPC a C28:1	14	27009199	A/C	0.244	0.244	0.006	0.017	0.747	20.608
rs8073904	lysoPC a C28:1	17	79095144	G/A	0.859	0.141	0.005	0.023	0.816	24.538
rs11633261	lysoPC a C28:1	15	25251310	G/T	0.459	0.459	0.004	0.015	0.788	22.266
rs77437455	lysoPC a C28:1	3	174900715	A/G	0.048	0.048	0.003	0.038	0.933	19.823
rs2643174	lysoPC a C28:1	3	164393607	G/A	0.155	0.155	0.003	0.020	0.877	19.612
rs12494242	lysoPC a C28:1	3	85413180	T/C	0.319	0.319	0.003	0.016	0.851	19.701
rs142036050	lysoPC a C28:1	14	33729481	T/C	0.017	0.017	0.002	0.061	0.970	23.457
rs2096352	lysoPC a C28:1	10	92439106	T/G	0.418	0.418	0.002	0.015	0.876	22.192
rs142325173	lysoPC a C28:1	12	18822872	G/A	0.019	0.019	0.002	0.054	0.970	21.598
rs79644827	lysoPC a C28:1	8	84739529	G/A	0.017	0.017	0.002	0.058	0.975	23.578
rs1370239	lysoPC a C28:1	16	64291189	A/G	0.566	0.434	0.002	0.015	0.920	24.957
rs12232839	lysoPC a C28:1	19	34090242	T/G	0.896	0.104	0.001	0.024	0.952	21.229
rs2568712	lysoPC a C28:1	11	91407305	T/G	0.581	0.419	0.001	0.015	0.953	26.788
rs2222760	lysoPC a C28:1	2	151345113	G/A	0.277	0.277	0.001	0.017	0.977	36.656
rs6889815	lysoPC a C28:1	5	25302404	A/C	0.124	0.124	0.001	0.022	0.982	19.465
rs9590216	lysoPC a C28:1	13	95905305	T/C	0.146	0.146	0.000	0.021	0.991	20.505
rs224064	lysoPC a C28:1	10	64504212	T/C	0.596	0.404	-0.001	0.015	0.965	24.795
rs34121855	lysoPC a C28:1	7	73040814	T/G	0.196	0.196	-0.001	0.019	0.953	38.189
rs62266118	lysoPC a C28:1	3	115124821	A/G	0.195	0.195	-0.001	0.019	0.951	20.670
rs2174239	lysoPC a C28:1	14	93885496	T/C	0.867	0.133	-0.002	0.022	0.946	21.143
rs17203687	lysoPC a C28:1	3	127684748	C/T	0.093	0.093	-0.002	0.025	0.938	20.586
rs6960970	lysoPC a C28:1	7	14207740	T/C	0.803	0.198	-0.002	0.020	0.911	20.913
rs660880	lysoPC a C28:1	1	6866978	G/A	0.514	0.486	-0.003	0.015	0.847	42.910
rs16926787	lysoPC a C28:1	9	126506289	G/T	0.081	0.081	-0.004	0.027	0.870	21.298

rs57318525	lysoPC a C28:1	6	104614058	A/C	0.435	0.435	-0.005	0.015	0.766	21.548
rs4486004	lysoPC a C28:1	6	26167710	G/T	0.231	0.231	-0.005	0.017	0.766	22.893
rs13262595	lysoPC a C28:1	8	143316970	A/G	0.554	0.446	-0.005	0.015	0.720	36.221
rs12996547	lysoPC a C28:1	2	602036	C/T	0.352	0.352	-0.006	0.016	0.713	21.351
rs9868223	lysoPC a C28:1	3	81724327	C/T	0.179	0.179	-0.006	0.019	0.764	27.510
rs9464192	lysoPC a C28:1	6	54987759	C/T	0.573	0.427	-0.007	0.015	0.658	27.538
rs72952553	lysoPC a C28:1	2	217481516	G/A	0.302	0.302	-0.007	0.017	0.678	21.726
rs10276580	lysoPC a C28:1	7	11772539	T/G	0.727	0.273	-0.007	0.016	0.654	23.545
rs11090045	lysoPC a C28:1	22	41753603	G/A	0.296	0.296	-0.007	0.016	0.656	39.113
rs17107024	lysoPC a C28:1	14	69961658	T/C	0.133	0.133	-0.008	0.022	0.723	23.746
rs11039028	lysoPC a C28:1	11	46944196	G/A	0.233	0.233	-0.008	0.017	0.633	23.725
rs1711171	lysoPC a C28:1	3	136020541	T/C	0.756	0.244	-0.008	0.017	0.627	31.945
rs76218094	lysoPC a C28:1	2	176215906	A/G	0.092	0.092	-0.008	0.026	0.748	25.687
rs138067	lysoPC a C28:1	22	44227556	A/G	0.428	0.428	-0.009	0.015	0.560	22.798
rs11231296	lysoPC a C28:1	11	62758580	T/C	0.218	0.218	-0.009	0.018	0.613	22.290
rs12154057	lysoPC a C28:1	6	161867419	A/C	0.390	0.390	-0.009	0.016	0.548	22.525
rs7628382	lysoPC a C28:1	3	70641810	A/G	0.443	0.443	-0.010	0.015	0.499	22.690
rs12643496	lysoPC a C28:1	4	172492327	G/A	0.858	0.143	-0.010	0.021	0.627	23.522
rs114210747	lysoPC a C28:1	5	144214142	C/T	0.081	0.081	-0.011	0.027	0.693	27.954
rs34722489	lysoPC a C28:1	5	127856954	C/A	0.243	0.243	-0.011	0.017	0.536	19.340
rs111299612	lysoPC a C28:1	18	25461937	G/A	0.034	0.034	-0.011	0.048	0.822	20.795
rs9372122	lysoPC a C28:1	6	106742454	G/A	0.436	0.436	-0.012	0.015	0.412	20.350
rs4837943	lysoPC a C28:1	9	124882085	C/T	0.209	0.209	-0.013	0.019	0.500	19.908
rs74697766	lysoPC a C28:1	4	105732919	T/C	0.082	0.082	-0.013	0.027	0.637	19.820
rs75210106	lysoPC a C28:1	2	113246436	C/T	0.172	0.172	-0.013	0.020	0.508	20.244
rs1698114	lysoPC a C28:1	19	49259854	A/G	0.490	0.490	-0.014	0.016	0.383	33.296
rs9936121	lysoPC a C28:1	16	76123518	T/G	0.316	0.316	-0.014	0.016	0.364	24.111
rs2726033	lysoPC a C28:1	16	28338039	A/G	0.422	0.422	-0.014	0.015	0.336	37.449
rs4936119	lysoPC a C28:1	11	112486568	C/A	0.264	0.264	-0.015	0.017	0.374	26.834
rs17547360	lysoPC a C28:1	12	30169738	T/C	0.247	0.247	-0.015	0.017	0.372	19.871
rs13147920	lysoPC a C28:1	4	181245804	C/T	0.390	0.390	-0.016	0.015	0.295	23.379
rs1458820	lysoPC a C28:1	4	55990353	G/A	0.937	0.063	-0.016	0.030	0.588	24.169
rs9829222	lysoPC a C28:1	3	175671153	C/T	0.238	0.238	-0.017	0.017	0.317	30.981

rs2678900	lysoPC a C28:1	2	58177683	T/G	0.428	0.428	-0.020	0.015	0.172	51.716
rs72759867	lysoPC a C28:1	1	243578188	T/C	0.104	0.104	-0.021	0.024	0.388	27.249
rs6829572	lysoPC a C28:1	4	93984155	G/A	0.465	0.465	-0.022	0.015	0.136	31.349
rs7015	lysoPC a C28:1	7	97920623	A/G	0.809	0.191	-0.024	0.019	0.201	20.665
rs3810818	lysoPC a C28:1	16	4432029	A/C	0.765	0.235	-0.024	0.017	0.155	26.319
rs77431173	lysoPC a C28:1	7	14742864	T/C	0.029	0.029	-0.025	0.045	0.579	27.146
rs276447	lysoPC a C28:1	9	15581302	C/T	0.480	0.480	-0.026	0.015	0.076	77.627
rs6897617	lysoPC a C28:1	5	173301982	G/A	0.288	0.288	-0.026	0.016	0.100	22.000
rs62266239	lysoPC a C28:1	3	116750431	C/T	0.139	0.139	-0.027	0.021	0.213	31.621
rs77529617	lysoPC a C28:1	17	16502271	C/T	0.115	0.115	-0.030	0.023	0.202	31.223
rs62469212	lysoPC a C28:1	7	113934926	C/A	0.467	0.467	-0.030	0.016	0.054	20.048
rs11772832	lysoPC a C28:1	7	135073047	T/C	0.402	0.402	-0.031	0.015	0.034	26.000
rs62107261	lysoPC a C28:1	2	422144	T/C	0.051	0.051	-0.033	0.034	0.335	31.903
rs141407174	lysoPC a C28:1	7	103178027	C/T	0.017	0.017	-0.034	0.059	0.563	22.580
rs3000677	lysoPC a C28:1	13	21298026	G/A	0.840	0.160	-0.036	0.020	0.071	20.978
rs28533070	lysoPC a C28:1	15	97177443	G/A	0.100	0.100	-0.044	0.025	0.077	31.584
rs11023757	lysoPC a C28:1	11	15902219	T/C	0.254	0.254	-0.045	0.017	0.008	20.241
rs78351874	lysoPC a C28:1	2	200472560	C/T	0.095	0.095	-0.048	0.026	0.060	26.625
rs114114265	lysoPC a C28:1	2	79806712	G/A	0.050	0.050	-0.048	0.034	0.153	19.609
rs77431173	met-c-856	7	14742864	T/C	0.985	0.015	0.126	0.062	0.042	27.146
rs7208329	met-c-856	17	33128801	C/T	0.985	0.015	0.059	0.052	0.254	21.783
rs34121855	met-c-856	7	73040814	T/G	0.829	0.171	0.050	0.017	0.003	38.189
rs141934869	met-c-856	8	27775477	G/T	0.997	0.003	0.041	0.124	0.740	24.322
rs13002164	met-c-856	2	56680788	C/T	0.961	0.039	0.037	0.035	0.293	22.241
rs9590216	met-c-856	13	95905305	T/C	0.797	0.203	0.035	0.015	0.021	20.505
rs114244865	met-c-856	4	129967492	C/T	0.969	0.031	0.033	0.036	0.363	27.605
rs34722489	met-c-856	5	127856954	C/A	0.813	0.187	0.032	0.016	0.047	19.340
rs3964074	met-c-856	16	74166991	T/C	0.461	0.461	0.031	0.012	0.012	32.094
rs77437455	met-c-856	3	174900715	A/G	0.959	0.041	0.031	0.036	0.390	19.823
rs1458820	met-c-856	4	55990353	G/A	0.040	0.040	0.029	0.032	0.370	24.169
rs2222760	met-c-856	2	151345113	G/A	0.756	0.244	0.029	0.015	0.049	36.656
rs2028935	met-c-856	5	19607413	A/C	0.550	0.450	0.027	0.013	0.032	21.883
rs10753761	met-c-856	1	167584973	A/G	0.135	0.135	0.026	0.020	0.193	20.338

rs12355804	met-c-856	10	3535854	C/T	0.932	0.068	0.025	0.025	0.322	24.055
rs12051465	met-c-856	16	49551403	G/T	0.769	0.231	0.022	0.015	0.128	21.281
rs3810818	met-c-856	16	4432029	A/C	0.237	0.237	0.021	0.015	0.152	26.319
rs12232839	met-c-856	19	34090242	T/G	0.107	0.107	0.021	0.020	0.302	21.229
rs74697766	met-c-856	4	105732919	T/C	0.914	0.086	0.020	0.022	0.380	19.820
rs72952553	met-c-856	2	217481516	G/A	0.760	0.240	0.018	0.016	0.266	21.726
rs673696	met-c-856	11	31097262	C/T	0.920	0.080	0.016	0.023	0.495	31.739
rs72973055	met-c-856	19	3353494	G/A	0.786	0.214	0.015	0.016	0.365	28.515
rs9317624	met-c-856	13	67506934	C/A	0.655	0.345	0.015	0.014	0.304	27.770
rs2426605	met-c-856	20	54869080	A/C	0.643	0.357	0.013	0.013	0.299	21.951
rs62398404	met-c-856	6	37669616	C/T	0.868	0.132	0.013	0.018	0.472	26.526
rs11743441	met-c-856	5	88065637	G/T	0.413	0.413	0.013	0.013	0.299	29.279
rs28742222	met-c-856	7	40176752	G/T	0.582	0.418	0.013	0.012	0.313	22.104
rs2490323	met-c-856	1	65985736	C/T	0.900	0.100	0.012	0.020	0.552	20.871
rs2938609	met-c-856	6	39700434	G/A	0.570	0.430	0.012	0.013	0.343	21.363
rs1698114	met-c-856	19	49259854	A/G	0.578	0.422	0.012	0.014	0.397	33.296
rs11633261	met-c-856	15	25251310	G/T	0.575	0.425	0.012	0.012	0.353	22.266
rs13147920	met-c-856	4	181245804	C/T	0.607	0.393	0.011	0.013	0.362	23.379
rs136548	met-c-856	22	27253353	C/T	0.539	0.461	0.011	0.012	0.375	33.768
rs16926787	met-c-856	9	126506289	G/T	0.858	0.142	0.011	0.018	0.548	21.298
rs78351874	met-c-856	2	200472560	C/T	0.831	0.169	0.010	0.018	0.559	26.625
rs77529617	met-c-856	17	16502271	C/T	0.872	0.128	0.010	0.018	0.576	31.223
rs942038	met-c-856	13	112682875	A/G	0.386	0.386	0.010	0.013	0.431	21.212
rs142036050	met-c-856	14	33729481	T/C	0.986	0.014	0.010	0.056	0.860	23.457
rs4486004	met-c-856	6	26167710	G/T	0.761	0.239	0.010	0.014	0.490	22.893
rs6897617	met-c-856	5	173301982	G/A	0.608	0.392	0.010	0.013	0.435	22.000
rs4742644	met-c-856	9	9959413	T/C	0.703	0.297	0.009	0.013	0.504	22.777
rs10500285	met-c-856	19	42672760	C/T	0.929	0.071	0.008	0.024	0.727	21.620
rs795437	met-c-856	3	30804170	T/C	0.599	0.401	0.008	0.013	0.511	20.054
rs11772832	met-c-856	7	135073047	T/C	0.628	0.372	0.008	0.013	0.517	26.000
rs9464192	met-c-856	6	54987759	C/T	0.452	0.452	0.008	0.013	0.513	27.538
rs6829572	met-c-856	4	93984155	G/A	0.632	0.368	0.008	0.013	0.524	31.349
rs6960970	met-c-856	7	14207740	T/C	0.176	0.176	0.008	0.017	0.652	20.913

rs57318525	met-c-856	6	104614058	A/C	0.582	0.418	0.007	0.013	0.593	21.548
rs12643496	met-c-856	4	172492327	G/A	0.125	0.125	0.007	0.019	0.720	23.522
rs742359	met-c-856	1	1715011	C/A	0.760	0.240	0.007	0.015	0.647	22.904
rs9297663	met-c-856	8	123728686	A/G	0.802	0.198	0.006	0.015	0.682	20.544
rs9372122	met-c-856	6	106742454	G/A	0.540	0.460	0.006	0.012	0.637	20.350
rs1370239	met-c-856	16	64291189	A/G	0.466	0.466	0.006	0.012	0.648	24.957
rs28533070	met-c-856	15	97177443	G/A	0.843	0.157	0.005	0.017	0.749	31.584
rs12996547	met-c-856	2	602036	C/T	0.607	0.393	0.005	0.013	0.716	21.351
rs2643174	met-c-856	3	164393607	G/A	0.749	0.251	0.004	0.014	0.797	19.612
rs1504708	met-c-856	11	99252012	A/G	0.483	0.483	0.003	0.012	0.785	20.060
rs11039028	met-c-856	11	46944196	G/A	0.704	0.296	0.003	0.014	0.813	23.725
rs2174239	met-c-856	14	93885496	T/C	0.222	0.222	0.003	0.015	0.844	21.143
rs190489703	met-c-856	12	53745262	A/G	0.992	0.008	0.003	0.073	0.968	20.399
rs3000677	met-c-856	13	21298026	G/A	0.118	0.118	0.003	0.020	0.880	20.978
rs9829222	met-c-856	3	175671153	C/T	0.737	0.263	0.003	0.014	0.850	30.981
rs10276580	met-c-856	7	11772539	T/G	0.236	0.236	0.002	0.015	0.888	23.545
rs1958801	met-c-856	14	98872110	A/G	0.769	0.231	0.002	0.015	0.897	27.583
rs963778	met-c-856	14	27009199	A/C	0.794	0.206	0.002	0.015	0.909	20.608
rs2096352	met-c-856	10	92439106	T/G	0.574	0.426	0.002	0.013	0.903	22.192
rs11100930	met-c-856	4	147591808	G/A	0.140	0.140	0.001	0.018	0.956	27.384
rs1967840	met-c-856	10	112026082	A/G	0.826	0.174	0.000	0.017	0.982	23.049
rs4936119	met-c-856	11	112486568	C/A	0.809	0.191	-0.001	0.016	0.935	26.834
rs7628382	met-c-856	3	70641810	A/G	0.596	0.404	-0.002	0.013	0.888	22.690
rs17573452	met-c-856	12	60224839	C/T	0.780	0.220	-0.002	0.015	0.900	27.214
rs12658015	met-c-856	5	164493306	A/G	0.321	0.321	-0.002	0.013	0.886	36.443
rs8073904	met-c-856	17	79095144	G/A	0.141	0.141	-0.002	0.018	0.901	24.538
rs2726033	met-c-856	16	28338039	A/G	0.536	0.464	-0.002	0.013	0.859	37.449
rs13262595	met-c-856	8	143316970	A/G	0.409	0.409	-0.003	0.012	0.825	36.221
rs3909727	met-c-856	11	126587382	A/G	0.158	0.158	-0.003	0.017	0.862	36.536
rs1193333	met-c-856	7	127609301	A/G	0.431	0.431	-0.003	0.012	0.798	29.915
rs61836106	met-c-856	10	2639003	G/A	0.922	0.078	-0.004	0.023	0.869	27.000
rs56389750	met-c-856	3	62399917	C/T	0.705	0.295	-0.004	0.014	0.780	31.074
rs12588402	met-c-856	14	29738282	A/G	0.419	0.419	-0.004	0.012	0.745	22.932

rs62469212	met-c-856	7	113934926	C/A	0.592	0.408	-0.004	0.014	0.747	20.048
rs4837943	met-c-856	9	124882085	C/T	0.708	0.292	-0.007	0.014	0.607	19.908
rs72759867	met-c-856	1	243578188	T/C	0.891	0.109	-0.008	0.020	0.682	27.249
rs2568712	met-c-856	11	91407305	T/G	0.380	0.380	-0.009	0.013	0.500	26.788
rs138067	met-c-856	22	44227556	A/G	0.525	0.475	-0.009	0.012	0.478	22.798
rs12494242	met-c-856	3	85413180	T/C	0.718	0.282	-0.010	0.014	0.485	19.701
rs11231296	met-c-856	11	62758580	T/C	0.766	0.234	-0.010	0.015	0.482	22.290
rs11023757	met-c-856	11	15902219	T/C	0.701	0.299	-0.010	0.014	0.443	20.241
rs276447	met-c-856	9	15581302	C/T	0.497	0.497	-0.011	0.012	0.363	77.627
rs75210106	met-c-856	2	113246436	C/T	0.721	0.279	-0.011	0.014	0.420	20.244
rs74629965	met-c-856	6	51185853	T/G	0.933	0.067	-0.012	0.025	0.638	28.841
rs62266118	met-c-856	3	115124821	A/G	0.771	0.229	-0.013	0.015	0.406	20.670
rs7204652	met-c-856	16	5675613	T/C	0.793	0.207	-0.013	0.015	0.406	38.707
rs11090045	met-c-856	22	41753603	G/A	0.676	0.324	-0.013	0.014	0.358	39.113
rs79644827	met-c-856	8	84739529	G/A	0.959	0.041	-0.013	0.036	0.713	23.578
rs9868223	met-c-856	3	81724327	C/T	0.862	0.138	-0.014	0.018	0.423	27.510
rs62169335	met-c-856	2	147946069	C/T	0.500	0.500	-0.015	0.013	0.239	29.062
rs61995216	met-c-856	14	80103620	A/G	0.923	0.077	-0.016	0.025	0.517	23.252
rs12154057	met-c-856	6	161867419	A/C	0.625	0.375	-0.017	0.013	0.202	22.525
rs7015	met-c-856	7	97920623	A/G	0.169	0.169	-0.017	0.017	0.312	20.665
rs224064	met-c-856	10	64504212	T/C	0.422	0.422	-0.017	0.013	0.188	24.795
rs114210747	met-c-856	5	144214142	C/T	0.947	0.053	-0.018	0.027	0.507	27.954
rs17547360	met-c-856	12	30169738	T/C	0.741	0.259	-0.018	0.014	0.190	19.871
rs62107261	met-c-856	2	422144	T/C	0.974	0.026	-0.020	0.048	0.681	31.903
rs17107024	met-c-856	14	69961658	T/C	0.882	0.118	-0.020	0.019	0.300	23.746
rs660880	met-c-856	1	6866978	G/A	0.511	0.489	-0.021	0.012	0.095	42.910
rs2678900	met-c-856	2	58177683	T/G	0.594	0.406	-0.021	0.013	0.100	51.716
rs62266239	met-c-856	3	116750431	C/T	0.872	0.128	-0.022	0.018	0.239	31.621
rs2439945	met-c-856	17	5124462	C/T	0.839	0.161	-0.022	0.017	0.196	22.216
rs1711171	met-c-856	3	136020541	T/C	0.160	0.160	-0.024	0.017	0.165	31.945
rs6845321	met-c-856	4	113595869	C/T	0.709	0.291	-0.024	0.014	0.082	19.870
rs7812804	met-c-856	8	59791586	C/T	0.696	0.304	-0.025	0.013	0.063	20.685
rs35783535	met-c-856	2	98623227	G/A	0.453	0.453	-0.028	0.013	0.026	20.573

rs17203687	met-c-856	3	127684748	C/T	0.908	0.092	-0.028	0.021	0.191	20.586
rs7199285	met-c-856	16	19980931	C/T	0.820	0.180	-0.029	0.016	0.073	22.392
rs114114265	met-c-856	2	79806712	G/A	0.982	0.018	-0.034	0.048	0.485	19.609
rs111299612	met-c-856	18	25461937	G/A	0.972	0.028	-0.034	0.046	0.467	20.795
rs141407174	met-c-856	7	103178027	C/T	0.978	0.022	-0.045	0.043	0.295	22.580
rs76218094	met-c-856	2	176215906	A/G	0.951	0.049	-0.049	0.029	0.091	25.687
rs9653713	met-c-856	21	35219643	C/A	0.997	0.003	-0.049	0.126	0.699	20.099
rs6889815	met-c-856	5	25302404	A/C	0.881	0.119	-0.052	0.019	0.006	19.465
rs184406487	met-c-856	1	198791227	C/T	0.985	0.015	-0.054	0.058	0.358	20.179
rs142325173	met-c-856	12	18822872	G/A	0.982	0.018	-0.066	0.048	0.166	21.598
rs78621251	met-c-856	18	63348042	A/G	0.987	0.013	-0.070	0.062	0.255	28.508
rs77431173	met-c-881	7	14742864	T/C	0.984	0.016	0.060	0.050	0.236	27.146
rs77437455	met-c-881	3	174900715	A/G	0.960	0.040	0.039	0.030	0.202	19.823
rs12355804	met-c-881	10	3535854	C/T	0.928	0.072	0.039	0.020	0.057	24.055
rs184406487	met-c-881	1	198791227	C/T	0.983	0.017	0.034	0.045	0.460	20.179
rs34722489	met-c-881	5	127856954	C/A	0.813	0.187	0.027	0.013	0.041	19.340
rs3964074	met-c-881	16	74166991	T/C	0.453	0.453	0.025	0.010	0.016	32.094
rs114244865	met-c-881	4	129967492	C/T	0.968	0.032	0.024	0.030	0.422	27.605
rs13147920	met-c-881	4	181245804	C/T	0.608	0.392	0.021	0.010	0.047	23.379
rs2426605	met-c-881	20	54869080	A/C	0.647	0.353	0.020	0.011	0.068	21.951
rs1698114	met-c-881	19	49259854	A/G	0.570	0.430	0.020	0.012	0.095	33.296
rs1967840	met-c-881	10	112026082	A/G	0.827	0.173	0.019	0.014	0.166	23.049
rs11633261	met-c-881	15	25251310	G/T	0.568	0.432	0.019	0.010	0.072	22.266
rs13002164	met-c-881	2	56680788	C/T	0.960	0.040	0.019	0.029	0.532	22.241
rs4486004	met-c-881	6	26167710	G/T	0.758	0.242	0.018	0.012	0.137	22.893
rs62398404	met-c-881	6	37669616	C/T	0.862	0.138	0.017	0.015	0.266	26.526
rs2174239	met-c-881	14	93885496	T/C	0.214	0.214	0.015	0.013	0.263	21.143
rs10500285	met-c-881	19	42672760	C/T	0.928	0.072	0.015	0.020	0.471	21.620
rs62469212	met-c-881	7	113934926	C/A	0.587	0.413	0.014	0.011	0.220	20.048
rs74697766	met-c-881	4	105732919	T/C	0.917	0.083	0.014	0.019	0.456	19.820
rs6829572	met-c-881	4	93984155	G/A	0.632	0.368	0.014	0.011	0.193	31.349
rs12232839	met-c-881	19	34090242	T/G	0.104	0.104	0.014	0.017	0.433	21.229
rs72973055	met-c-881	19	3353494	G/A	0.787	0.213	0.013	0.013	0.334	28.515

rs2938609	met-c-881	6	39700434	G/A	0.575	0.425	0.012	0.010	0.268	21.363
rs75210106	met-c-881	2	113246436	C/T	0.724	0.276	0.012	0.012	0.331	20.244
rs1370239	met-c-881	16	64291189	A/G	0.464	0.464	0.011	0.010	0.271	24.957
rs9297663	met-c-881	8	123728686	A/G	0.795	0.205	0.011	0.013	0.386	20.544
rs142036050	met-c-881	14	33729481	T/C	0.985	0.015	0.010	0.045	0.818	23.457
rs795437	met-c-881	3	30804170	T/C	0.599	0.401	0.010	0.011	0.346	20.054
rs2028935	met-c-881	5	19607413	A/C	0.551	0.449	0.010	0.011	0.354	21.883
rs3810818	met-c-881	16	4432029	A/C	0.229	0.229	0.010	0.012	0.440	26.319
rs136548	met-c-881	22	27253353	C/T	0.551	0.449	0.009	0.010	0.409	33.768
rs6960970	met-c-881	7	14207740	T/C	0.177	0.177	0.009	0.014	0.543	20.913
rs2643174	met-c-881	3	164393607	G/A	0.745	0.255	0.008	0.012	0.525	19.612
rs9829222	met-c-881	3	175671153	C/T	0.743	0.257	0.007	0.012	0.561	30.981
rs28742222	met-c-881	7	40176752	G/T	0.580	0.420	0.007	0.010	0.512	22.104
rs10276580	met-c-881	7	11772539	T/G	0.245	0.245	0.007	0.012	0.576	23.545
rs9464192	met-c-881	6	54987759	C/T	0.442	0.442	0.006	0.010	0.549	27.538
rs2490323	met-c-881	1	65985736	C/T	0.897	0.103	0.006	0.017	0.712	20.871
rs963778	met-c-881	14	27009199	A/C	0.795	0.205	0.006	0.013	0.648	20.608
rs1458820	met-c-881	4	55990353	G/A	0.043	0.043	0.005	0.026	0.837	24.169
rs7208329	met-c-881	17	33128801	C/T	0.984	0.016	0.005	0.044	0.913	21.783
rs1504708	met-c-881	11	99252012	A/G	0.475	0.475	0.005	0.010	0.667	20.060
rs11231296	met-c-881	11	62758580	T/C	0.769	0.231	0.004	0.012	0.733	22.290
rs11100930	met-c-881	4	147591808	G/A	0.132	0.132	0.004	0.015	0.802	27.384
rs56389750	met-c-881	3	62399917	C/T	0.709	0.291	0.003	0.012	0.780	31.074
rs72952553	met-c-881	2	217481516	G/A	0.759	0.241	0.003	0.013	0.804	21.726
rs11039028	met-c-881	11	46944196	G/A	0.705	0.295	0.003	0.011	0.825	23.725
rs17203687	met-c-881	3	127684748	C/T	0.905	0.095	0.002	0.018	0.894	20.586
rs9317624	met-c-881	13	67506934	C/A	0.655	0.345	0.002	0.012	0.870	27.770
rs6897617	met-c-881	5	173301982	G/A	0.612	0.388	0.002	0.011	0.853	22.000
rs138067	met-c-881	22	44227556	A/G	0.531	0.469	0.002	0.010	0.859	22.798
rs13262595	met-c-881	8	143316970	A/G	0.409	0.409	0.001	0.010	0.913	36.221
rs742359	met-c-881	1	1715011	C/A	0.758	0.242	0.000	0.012	0.988	22.904
rs4742644	met-c-881	9	9959413	T/C	0.706	0.294	0.000	0.011	0.998	22.777
rs3000677	met-c-881	13	21298026	G/A	0.117	0.117	0.000	0.017	0.988	20.978

rs190489703	met-c-881	12	53745262	A/G	0.992	0.008	0.000	0.062	0.996	20.399
rs16926787	met-c-881	9	126506289	G/T	0.859	0.141	-0.001	0.015	0.929	21.298
rs57318525	met-c-881	6	104614058	A/C	0.578	0.422	-0.001	0.010	0.891	21.548
rs12658015	met-c-881	5	164493306	A/G	0.326	0.326	-0.002	0.011	0.871	36.443
rs2096352	met-c-881	10	92439106	T/G	0.579	0.421	-0.002	0.011	0.863	22.192
rs35783535	met-c-881	2	98623227	G/A	0.462	0.462	-0.003	0.011	0.782	20.573
rs10753761	met-c-881	1	167584973	A/G	0.138	0.138	-0.003	0.016	0.853	20.338
rs12051465	met-c-881	16	49551403	G/T	0.768	0.232	-0.003	0.012	0.803	21.281
rs4936119	met-c-881	11	112486568	C/A	0.806	0.194	-0.003	0.013	0.806	26.834
rs78351874	met-c-881	2	200472560	C/T	0.826	0.174	-0.004	0.015	0.806	26.625
rs9868223	met-c-881	3	81724327	C/T	0.862	0.138	-0.004	0.015	0.778	27.510
rs11743441	met-c-881	5	88065637	G/T	0.413	0.413	-0.004	0.010	0.685	29.279
rs7199285	met-c-881	16	19980931	C/T	0.821	0.179	-0.005	0.013	0.730	22.392
rs2568712	met-c-881	11	91407305	T/G	0.381	0.381	-0.005	0.010	0.656	26.788
rs12494242	met-c-881	3	85413180	T/C	0.718	0.282	-0.005	0.011	0.680	19.701
rs17547360	met-c-881	12	30169738	T/C	0.748	0.252	-0.005	0.012	0.676	19.871
rs2726033	met-c-881	16	28338039	A/G	0.534	0.466	-0.005	0.011	0.632	37.449
rs660880	met-c-881	1	6866978	G/A	0.517	0.483	-0.006	0.010	0.585	42.910
rs942038	met-c-881	13	112682875	A/G	0.371	0.371	-0.006	0.011	0.572	21.212
rs62266118	met-c-881	3	115124821	A/G	0.778	0.222	-0.006	0.013	0.616	20.670
rs7204652	met-c-881	16	5675613	T/C	0.792	0.208	-0.006	0.013	0.616	38.707
rs17573452	met-c-881	12	60224839	C/T	0.783	0.217	-0.007	0.012	0.606	27.214
rs2222760	met-c-881	2	151345113	G/A	0.756	0.244	-0.008	0.012	0.545	36.656
rs2439945	met-c-881	17	5124462	C/T	0.833	0.167	-0.008	0.014	0.587	22.216
rs28533070	met-c-881	15	97177443	G/A	0.843	0.157	-0.008	0.014	0.590	31.584
rs11772832	met-c-881	7	135073047	T/C	0.628	0.372	-0.008	0.011	0.463	26.000
rs1958801	met-c-881	14	98872110	A/G	0.768	0.232	-0.009	0.012	0.468	27.583
rs12154057	met-c-881	6	161867419	A/C	0.623	0.377	-0.009	0.011	0.407	22.525
rs17107024	met-c-881	14	69961658	T/C	0.885	0.115	-0.009	0.016	0.568	23.746
rs114210747	met-c-881	5	144214142	C/T	0.948	0.052	-0.009	0.023	0.688	27.954
rs72759867	met-c-881	1	243578188	T/C	0.887	0.113	-0.010	0.016	0.559	27.249
rs12643496	met-c-881	4	172492327	G/A	0.120	0.120	-0.010	0.016	0.543	23.522
rs7628382	met-c-881	3	70641810	A/G	0.594	0.406	-0.010	0.010	0.343	22.690

rs9372122	met-c-881	6	106742454	G/A	0.540	0.460	-0.010	0.010	0.326	20.350
rs2678900	met-c-881	2	58177683	T/G	0.600	0.400	-0.010	0.010	0.325	51.716
rs34121855	met-c-881	7	73040814	T/G	0.829	0.171	-0.011	0.014	0.447	38.189
rs6889815	met-c-881	5	25302404	A/C	0.878	0.122	-0.011	0.016	0.498	19.465
rs77529617	met-c-881	17	16502271	C/T	0.877	0.123	-0.011	0.016	0.485	31.223
rs9590216	met-c-881	13	95905305	T/C	0.796	0.204	-0.011	0.013	0.387	20.505
rs62107261	met-c-881	2	422144	T/C	0.972	0.028	-0.011	0.038	0.771	31.903
rs673696	met-c-881	11	31097262	C/T	0.921	0.079	-0.012	0.019	0.549	31.739
rs276447	met-c-881	9	15581302	C/T	0.500	0.500	-0.012	0.010	0.245	77.627
rs4837943	met-c-881	9	124882085	C/T	0.715	0.285	-0.013	0.012	0.296	19.908
rs61995216	met-c-881	14	80103620	A/G	0.916	0.084	-0.013	0.020	0.507	23.252
rs1193333	met-c-881	7	127609301	A/G	0.442	0.442	-0.014	0.010	0.195	29.915
rs12996547	met-c-881	2	602036	C/T	0.607	0.393	-0.014	0.011	0.194	21.351
rs12588402	met-c-881	14	29738282	A/G	0.414	0.414	-0.014	0.010	0.177	22.932
rs74629965	met-c-881	6	51185853	T/G	0.928	0.072	-0.015	0.020	0.478	28.841
rs62169335	met-c-881	2	147946069	C/T	0.501	0.499	-0.015	0.010	0.169	29.062
rs224064	met-c-881	10	64504212	T/C	0.426	0.426	-0.016	0.010	0.139	24.795
rs11090045	met-c-881	22	41753603	G/A	0.689	0.311	-0.017	0.012	0.163	39.113
rs61836106	met-c-881	10	2639003	G/A	0.923	0.077	-0.018	0.020	0.355	27.000
rs8073904	met-c-881	17	79095144	G/A	0.144	0.144	-0.019	0.015	0.220	24.538
rs3909727	met-c-881	11	126587382	A/G	0.158	0.158	-0.019	0.014	0.175	36.536
rs11023757	met-c-881	11	15902219	T/C	0.691	0.309	-0.021	0.011	0.062	20.241
rs62266239	met-c-881	3	116750431	C/T	0.872	0.128	-0.022	0.015	0.165	31.621
rs1711171	met-c-881	3	136020541	T/C	0.162	0.162	-0.022	0.014	0.126	31.945
rs6845321	met-c-881	4	113595869	C/T	0.702	0.298	-0.024	0.011	0.038	19.870
rs79644827	met-c-881	8	84739529	G/A	0.964	0.036	-0.026	0.031	0.418	23.578
rs7015	met-c-881	7	97920623	A/G	0.172	0.172	-0.027	0.014	0.059	20.665
rs7812804	met-c-881	8	59791586	C/T	0.700	0.300	-0.027	0.011	0.017	20.685
rs141407174	met-c-881	7	103178027	C/T	0.978	0.022	-0.037	0.036	0.304	22.580
rs142325173	met-c-881	12	18822872	G/A	0.981	0.019	-0.046	0.040	0.255	21.598
rs114114265	met-c-881	2	79806712	G/A	0.976	0.024	-0.048	0.035	0.179	19.609
rs76218094	met-c-881	2	176215906	A/G	0.950	0.050	-0.050	0.024	0.038	25.687
rs78621251	met-c-881	18	63348042	A/G	0.987	0.013	-0.056	0.050	0.267	28.508

rs111299612	met-c-881	18	25461937	G/A	0.973	0.027	-0.089	0.040	0.026	20.795
rs9653713	met-c-881	21	35219643	C/A	0.997	0.003	-0.105	0.110	0.347	20.099
rs141934869	met-c-881	8	27775477	G/T	0.996	0.004	-0.142	0.095	0.139	24.322
rs77431173	met-c-889	7	14742864	T/C	0.984	0.016	0.081	0.051	0.113	27.146
rs190489703	met-c-889	12	53745262	A/G	0.992	0.008	0.073	0.062	0.242	20.399
rs142036050	met-c-889	14	33729481	T/C	0.985	0.015	0.063	0.045	0.163	23.457
rs78621251	met-c-889	18	63348042	A/G	0.987	0.013	0.041	0.050	0.417	28.508
rs62398404	met-c-889	6	37669616	C/T	0.862	0.138	0.038	0.015	0.012	26.526
rs13002164	met-c-889	2	56680788	C/T	0.960	0.040	0.035	0.029	0.237	22.241
rs942038	met-c-889	13	112682875	A/G	0.371	0.371	0.033	0.011	0.002	21.212
rs795437	met-c-889	3	30804170	T/C	0.598	0.402	0.025	0.011	0.020	20.054
rs3964074	met-c-889	16	74166991	T/C	0.453	0.453	0.025	0.010	0.019	32.094
rs74629965	met-c-889	6	51185853	T/G	0.928	0.072	0.023	0.020	0.261	28.841
rs2174239	met-c-889	14	93885496	T/C	0.214	0.214	0.022	0.013	0.102	21.143
rs12232839	met-c-889	19	34090242	T/G	0.104	0.104	0.022	0.017	0.212	21.229
rs11039028	met-c-889	11	46944196	G/A	0.705	0.295	0.020	0.011	0.080	23.725
rs1958801	met-c-889	14	98872110	A/G	0.768	0.232	0.018	0.012	0.137	27.583
rs9868223	met-c-889	3	81724327	C/T	0.862	0.138	0.018	0.015	0.221	27.510
rs2568712	met-c-889	11	91407305	T/G	0.381	0.381	0.018	0.011	0.086	26.788
rs6960970	met-c-889	7	14207740	T/C	0.177	0.177	0.018	0.014	0.199	20.913
rs79644827	met-c-889	8	84739529	G/A	0.964	0.036	0.018	0.032	0.572	23.578
rs17573452	met-c-889	12	60224839	C/T	0.783	0.217	0.017	0.013	0.167	27.214
rs184406487	met-c-889	1	198791227	C/T	0.983	0.017	0.015	0.046	0.740	20.179
rs1711171	met-c-889	3	136020541	T/C	0.162	0.162	0.014	0.014	0.312	31.945
rs10500285	met-c-889	19	42672760	C/T	0.928	0.072	0.014	0.020	0.488	21.620
rs9590216	met-c-889	13	95905305	T/C	0.795	0.205	0.013	0.013	0.296	20.505
rs1698114	met-c-889	19	49259854	A/G	0.570	0.430	0.013	0.012	0.282	33.296
rs12658015	met-c-889	5	164493306	A/G	0.326	0.326	0.013	0.011	0.250	36.443
rs4486004	met-c-889	6	26167710	G/T	0.757	0.243	0.011	0.012	0.364	22.893
rs8073904	met-c-889	17	79095144	G/A	0.144	0.144	0.011	0.015	0.471	24.538
rs11743441	met-c-889	5	88065637	G/T	0.413	0.413	0.011	0.010	0.305	29.279
rs2096352	met-c-889	10	92439106	T/G	0.580	0.420	0.011	0.011	0.314	22.192
rs1458820	met-c-889	4	55990353	G/A	0.043	0.043	0.010	0.026	0.699	24.169

rs742359	met-c-889	1	1715011	C/A	0.758	0.242	0.010	0.012	0.418	22.904
rs62266118	met-c-889	3	115124821	A/G	0.778	0.222	0.009	0.013	0.505	20.670
rs3810818	met-c-889	16	4432029	A/C	0.229	0.229	0.008	0.012	0.499	26.319
rs963778	met-c-889	14	27009199	A/C	0.796	0.204	0.008	0.013	0.525	20.608
rs61836106	met-c-889	10	2639003	G/A	0.922	0.078	0.008	0.020	0.702	27.000
rs61995216	met-c-889	14	80103620	A/G	0.916	0.084	0.007	0.020	0.711	23.252
rs7204652	met-c-889	16	5675613	T/C	0.791	0.209	0.007	0.013	0.567	38.707
rs62107261	met-c-889	2	422144	T/C	0.972	0.028	0.007	0.038	0.846	31.903
rs17203687	met-c-889	3	127684748	C/T	0.906	0.094	0.007	0.018	0.684	20.586
rs4837943	met-c-889	9	124882085	C/T	0.715	0.285	0.007	0.012	0.545	19.908
rs12643496	met-c-889	4	172492327	G/A	0.120	0.120	0.007	0.016	0.659	23.522
rs17547360	met-c-889	12	30169738	T/C	0.749	0.251	0.006	0.012	0.590	19.871
rs57318525	met-c-889	6	104614058	A/C	0.578	0.422	0.006	0.011	0.551	21.548
rs17107024	met-c-889	14	69961658	T/C	0.885	0.115	0.006	0.016	0.725	23.746
rs1967840	met-c-889	10	112026082	A/G	0.827	0.173	0.005	0.014	0.692	23.049
rs3909727	met-c-889	11	126587382	A/G	0.157	0.157	0.005	0.014	0.716	36.536
rs72759867	met-c-889	1	243578188	T/C	0.887	0.113	0.005	0.016	0.759	27.249
rs136548	met-c-889	22	27253353	C/T	0.551	0.449	0.005	0.010	0.635	33.768
rs9297663	met-c-889	8	123728686	A/G	0.795	0.205	0.005	0.013	0.716	20.544
rs2938609	met-c-889	6	39700434	G/A	0.575	0.425	0.004	0.010	0.716	21.363
rs9829222	met-c-889	3	175671153	C/T	0.744	0.256	0.004	0.012	0.766	30.981
rs2678900	met-c-889	2	58177683	T/G	0.600	0.400	0.004	0.011	0.733	51.716
rs62266239	met-c-889	3	116750431	C/T	0.872	0.128	0.003	0.015	0.827	31.621
rs2726033	met-c-889	16	28338039	A/G	0.533	0.467	0.003	0.011	0.779	37.449
rs28742222	met-c-889	7	40176752	G/T	0.581	0.419	0.002	0.010	0.816	22.104
rs7015	met-c-889	7	97920623	A/G	0.172	0.172	0.002	0.014	0.867	20.665
rs6829572	met-c-889	4	93984155	G/A	0.632	0.368	0.002	0.011	0.832	31.349
rs12051465	met-c-889	16	49551403	G/T	0.768	0.232	0.002	0.012	0.868	21.281
rs13147920	met-c-889	4	181245804	C/T	0.608	0.392	0.002	0.011	0.867	23.379
rs6845321	met-c-889	4	113595869	C/T	0.702	0.298	0.002	0.011	0.878	19.870
rs2028935	met-c-889	5	19607413	A/C	0.551	0.449	0.002	0.011	0.873	21.883
rs673696	met-c-889	11	31097262	C/T	0.921	0.079	0.001	0.019	0.942	31.739
rs62169335	met-c-889	2	147946069	C/T	0.501	0.499	0.000	0.011	0.995	29.062

rs11231296	met-c-889	11	62758580	T/C	0.769	0.231	0.000	0.012	0.994	22.290
rs9464192	met-c-889	6	54987759	C/T	0.442	0.442	0.000	0.011	0.971	27.538
rs74697766	met-c-889	4	105732919	T/C	0.917	0.083	-0.001	0.019	0.956	19.820
rs2426605	met-c-889	20	54869080	A/C	0.647	0.353	-0.001	0.011	0.922	21.951
rs77529617	met-c-889	17	16502271	C/T	0.877	0.123	-0.001	0.016	0.944	31.223
rs7628382	met-c-889	3	70641810	A/G	0.594	0.406	-0.001	0.011	0.915	22.690
rs138067	met-c-889	22	44227556	A/G	0.531	0.469	-0.001	0.010	0.911	22.798
rs1504708	met-c-889	11	99252012	A/G	0.474	0.474	-0.002	0.010	0.883	20.060
rs1193333	met-c-889	7	127609301	A/G	0.443	0.443	-0.003	0.010	0.810	29.915
rs75210106	met-c-889	2	113246436	C/T	0.724	0.276	-0.003	0.012	0.827	20.244
rs4936119	met-c-889	11	112486568	C/A	0.807	0.193	-0.003	0.013	0.842	26.834
rs1370239	met-c-889	16	64291189	A/G	0.464	0.464	-0.003	0.010	0.773	24.957
rs660880	met-c-889	1	6866978	G/A	0.517	0.483	-0.004	0.010	0.685	42.910
rs2643174	met-c-889	3	164393607	G/A	0.744	0.256	-0.004	0.012	0.709	19.612
rs7199285	met-c-889	16	19980931	C/T	0.821	0.179	-0.005	0.013	0.715	22.392
rs11633261	met-c-889	15	25251310	G/T	0.568	0.432	-0.005	0.010	0.624	22.266
rs2490323	met-c-889	1	65985736	C/T	0.896	0.104	-0.005	0.017	0.757	20.871
rs11090045	met-c-889	22	41753603	G/A	0.689	0.311	-0.005	0.012	0.653	39.113
rs4742644	met-c-889	9	9959413	T/C	0.706	0.294	-0.006	0.011	0.620	22.777
rs56389750	met-c-889	3	62399917	C/T	0.708	0.292	-0.006	0.012	0.615	31.074
rs78351874	met-c-889	2	200472560	C/T	0.827	0.173	-0.006	0.015	0.675	26.625
rs9317624	met-c-889	13	67506934	C/A	0.654	0.346	-0.007	0.012	0.586	27.770
rs10753761	met-c-889	1	167584973	A/G	0.139	0.139	-0.007	0.016	0.682	20.338
rs9372122	met-c-889	6	106742454	G/A	0.540	0.460	-0.007	0.010	0.523	20.350
rs72973055	met-c-889	19	3353494	G/A	0.787	0.213	-0.007	0.014	0.620	28.515
rs72952553	met-c-889	2	217481516	G/A	0.760	0.240	-0.007	0.013	0.615	21.726
rs11100930	met-c-889	4	147591808	G/A	0.133	0.133	-0.007	0.015	0.653	27.384
rs28533070	met-c-889	15	97177443	G/A	0.843	0.157	-0.007	0.014	0.612	31.584
rs10276580	met-c-889	7	11772539	T/G	0.246	0.246	-0.009	0.012	0.476	23.545
rs12355804	met-c-889	10	3535854	C/T	0.928	0.072	-0.009	0.020	0.666	24.055
rs11772832	met-c-889	7	135073047	T/C	0.628	0.372	-0.009	0.011	0.402	26.000
rs16926787	met-c-889	9	126506289	G/T	0.858	0.142	-0.010	0.015	0.524	21.298
rs276447	met-c-889	9	15581302	C/T	0.500	0.500	-0.012	0.010	0.264	77.627

rs34722489	met-c-889	5	127856954	C/A	0.813	0.187	-0.012	0.013	0.369	19.340
rs11023757	met-c-889	11	15902219	T/C	0.691	0.309	-0.012	0.011	0.286	20.241
rs7812804	met-c-889	8	59791586	C/T	0.700	0.300	-0.013	0.011	0.264	20.685
rs35783535	met-c-889	2	98623227	G/A	0.463	0.463	-0.013	0.011	0.223	20.573
rs114244865	met-c-889	4	129967492	C/T	0.968	0.032	-0.013	0.030	0.665	27.605
rs6897617	met-c-889	5	173301982	G/A	0.613	0.387	-0.013	0.011	0.220	22.000
rs13262595	met-c-889	8	143316970	A/G	0.409	0.409	-0.014	0.011	0.196	36.221
rs6889815	met-c-889	5	25302404	A/C	0.877	0.123	-0.014	0.016	0.382	19.465
rs12588402	met-c-889	14	29738282	A/G	0.413	0.413	-0.015	0.010	0.151	22.932
rs2222760	met-c-889	2	151345113	G/A	0.755	0.245	-0.016	0.012	0.193	36.656
rs12996547	met-c-889	2	602036	C/T	0.608	0.392	-0.017	0.011	0.122	21.351
rs224064	met-c-889	10	64504212	T/C	0.426	0.426	-0.017	0.010	0.099	24.795
rs12154057	met-c-889	6	161867419	A/C	0.623	0.377	-0.018	0.011	0.121	22.525
rs77437455	met-c-889	3	174900715	A/G	0.960	0.040	-0.018	0.031	0.548	19.823
rs114210747	met-c-889	5	144214142	C/T	0.948	0.052	-0.020	0.023	0.389	27.954
rs12494242	met-c-889	3	85413180	T/C	0.719	0.281	-0.020	0.011	0.078	19.701
rs111299612	met-c-889	18	25461937	G/A	0.973	0.027	-0.022	0.040	0.590	20.795
rs3000677	met-c-889	13	21298026	G/A	0.116	0.116	-0.022	0.017	0.196	20.978
rs2439945	met-c-889	17	5124462	C/T	0.833	0.167	-0.024	0.014	0.090	22.216
rs62469212	met-c-889	7	113934926	C/A	0.587	0.413	-0.033	0.012	0.005	20.048
rs141934869	met-c-889	8	27775477	G/T	0.996	0.004	-0.038	0.095	0.690	24.322
rs141407174	met-c-889	7	103178027	C/T	0.978	0.022	-0.039	0.036	0.279	22.580
rs114114265	met-c-889	2	79806712	G/A	0.976	0.024	-0.039	0.035	0.270	19.609
rs7208329	met-c-889	17	33128801	C/T	0.984	0.016	-0.040	0.044	0.370	21.783
rs76218094	met-c-889	2	176215906	A/G	0.950	0.050	-0.056	0.024	0.020	25.687
rs9653713	met-c-889	21	35219643	C/A	0.997	0.003	-0.067	0.111	0.550	20.099
rs142325173	met-c-889	12	18822872	G/A	0.981	0.019	-0.078	0.040	0.057	21.598
rs77431173	met-c-893	7	14742864	T/C	0.985	0.015	0.158	0.062	0.011	27.146
rs34121855	met-c-893	7	73040814	T/G	0.830	0.170	0.046	0.017	0.006	38.189
rs7208329	met-c-893	17	33128801	C/T	0.985	0.015	0.043	0.052	0.408	21.783
rs141934869	met-c-893	8	27775477	G/T	0.997	0.003	0.040	0.124	0.747	24.322
rs9590216	met-c-893	13	95905305	T/C	0.797	0.203	0.035	0.015	0.022	20.505
rs3964074	met-c-893	16	74166991	T/C	0.461	0.461	0.032	0.012	0.011	32.094

rs1458820	met-c-893	4	55990353	G/A	0.040	0.040	0.031	0.032	0.345	24.169
rs114244865	met-c-893	4	129967492	C/T	0.969	0.031	0.027	0.036	0.462	27.605
rs2028935	met-c-893	5	19607413	A/C	0.551	0.449	0.026	0.013	0.041	21.883
rs77437455	met-c-893	3	174900715	A/G	0.959	0.041	0.026	0.036	0.474	19.823
rs2222760	met-c-893	2	151345113	G/A	0.755	0.245	0.025	0.015	0.084	36.656
rs13002164	met-c-893	2	56680788	C/T	0.961	0.039	0.024	0.035	0.489	22.241
rs10753761	met-c-893	1	167584973	A/G	0.135	0.135	0.023	0.020	0.250	20.338
rs9317624	met-c-893	13	67506934	C/A	0.655	0.345	0.023	0.014	0.117	27.770
rs72952553	met-c-893	2	217481516	G/A	0.760	0.240	0.022	0.016	0.190	21.726
rs34722489	met-c-893	5	127856954	C/A	0.813	0.187	0.020	0.016	0.214	19.340
rs62398404	met-c-893	6	37669616	C/T	0.868	0.132	0.019	0.018	0.296	26.526
rs72973055	met-c-893	19	3353494	G/A	0.786	0.214	0.019	0.016	0.241	28.515
rs1698114	met-c-893	19	49259854	A/G	0.577	0.423	0.018	0.014	0.189	33.296
rs12355804	met-c-893	10	3535854	C/T	0.932	0.068	0.017	0.025	0.488	24.055
rs11633261	met-c-893	15	25251310	G/T	0.575	0.425	0.016	0.012	0.188	22.266
rs9297663	met-c-893	8	123728686	A/G	0.802	0.198	0.016	0.015	0.309	20.544
rs74697766	met-c-893	4	105732919	T/C	0.914	0.086	0.016	0.022	0.480	19.820
rs942038	met-c-893	13	112682875	A/G	0.386	0.386	0.015	0.013	0.236	21.212
rs1967840	met-c-893	10	112026082	A/G	0.826	0.174	0.015	0.016	0.369	23.049
rs11772832	met-c-893	7	135073047	T/C	0.628	0.372	0.015	0.013	0.259	26.000
rs13147920	met-c-893	4	181245804	C/T	0.607	0.393	0.013	0.013	0.300	23.379
rs3810818	met-c-893	16	4432029	A/C	0.238	0.238	0.012	0.015	0.412	26.319
rs12051465	met-c-893	16	49551403	G/T	0.769	0.231	0.012	0.015	0.422	21.281
rs2938609	met-c-893	6	39700434	G/A	0.570	0.430	0.011	0.013	0.363	21.363
rs12232839	met-c-893	19	34090242	T/G	0.107	0.107	0.011	0.020	0.585	21.229
rs4486004	met-c-893	6	26167710	G/T	0.761	0.239	0.011	0.014	0.467	22.893
rs6960970	met-c-893	7	14207740	T/C	0.176	0.176	0.010	0.017	0.534	20.913
rs28742222	met-c-893	7	40176752	G/T	0.582	0.418	0.010	0.012	0.410	22.104
rs57318525	met-c-893	6	104614058	A/C	0.582	0.418	0.010	0.013	0.412	21.548
rs2490323	met-c-893	1	65985736	C/T	0.900	0.100	0.010	0.020	0.622	20.871
rs11743441	met-c-893	5	88065637	G/T	0.413	0.413	0.010	0.012	0.422	29.279
rs6897617	met-c-893	5	173301982	G/A	0.608	0.392	0.009	0.013	0.464	22.000
rs963778	met-c-893	14	27009199	A/C	0.794	0.206	0.009	0.015	0.546	20.608

rs4742644	met-c-893	9	9959413	T/C	0.703	0.297	0.009	0.013	0.494	22.777
rs78351874	met-c-893	2	200472560	C/T	0.831	0.169	0.009	0.018	0.608	26.625
rs2426605	met-c-893	20	54869080	A/C	0.643	0.357	0.008	0.013	0.540	21.951
rs6829572	met-c-893	4	93984155	G/A	0.632	0.368	0.008	0.013	0.546	31.349
rs673696	met-c-893	11	31097262	C/T	0.920	0.080	0.008	0.023	0.740	31.739
rs742359	met-c-893	1	1715011	C/A	0.760	0.240	0.007	0.015	0.623	22.904
rs9464192	met-c-893	6	54987759	C/T	0.452	0.452	0.006	0.013	0.618	27.538
rs9829222	met-c-893	3	175671153	C/T	0.737	0.263	0.006	0.014	0.668	30.981
rs1370239	met-c-893	16	64291189	A/G	0.467	0.467	0.006	0.012	0.639	24.957
rs2174239	met-c-893	14	93885496	T/C	0.222	0.222	0.006	0.015	0.715	21.143
rs62107261	met-c-893	2	422144	T/C	0.974	0.026	0.005	0.048	0.913	31.903
rs77529617	met-c-893	17	16502271	C/T	0.872	0.128	0.005	0.018	0.784	31.223
rs16926787	met-c-893	9	126506289	G/T	0.858	0.142	0.005	0.018	0.785	21.298
rs1504708	met-c-893	11	99252012	A/G	0.483	0.483	0.004	0.012	0.733	20.060
rs795437	met-c-893	3	30804170	T/C	0.599	0.401	0.004	0.013	0.776	20.054
rs136548	met-c-893	22	27253353	C/T	0.539	0.461	0.004	0.012	0.772	33.768
rs9372122	met-c-893	6	106742454	G/A	0.540	0.460	0.003	0.012	0.806	20.350
rs11039028	met-c-893	11	46944196	G/A	0.704	0.296	0.003	0.013	0.822	23.725
rs11100930	met-c-893	4	147591808	G/A	0.140	0.140	0.003	0.018	0.881	27.384
rs1958801	met-c-893	14	98872110	A/G	0.769	0.231	0.002	0.015	0.883	27.583
rs12658015	met-c-893	5	164493306	A/G	0.321	0.321	0.002	0.013	0.886	36.443
rs12588402	met-c-893	14	29738282	A/G	0.419	0.419	0.002	0.012	0.892	22.932
rs12643496	met-c-893	4	172492327	G/A	0.124	0.124	0.002	0.019	0.930	23.522
rs12996547	met-c-893	2	602036	C/T	0.607	0.393	0.002	0.013	0.898	21.351
rs4936119	met-c-893	11	112486568	C/A	0.809	0.191	0.001	0.016	0.963	26.834
rs7628382	met-c-893	3	70641810	A/G	0.595	0.405	0.000	0.013	0.973	22.690
rs72759867	met-c-893	1	243578188	T/C	0.891	0.109	-0.001	0.020	0.977	27.249
rs2643174	met-c-893	3	164393607	G/A	0.749	0.251	-0.001	0.014	0.963	19.612
rs10500285	met-c-893	19	42672760	C/T	0.929	0.071	-0.001	0.024	0.977	21.620
rs1193333	met-c-893	7	127609301	A/G	0.431	0.431	-0.001	0.012	0.946	29.915
rs10276580	met-c-893	7	11772539	T/G	0.235	0.235	-0.001	0.015	0.936	23.545
rs2096352	met-c-893	10	92439106	T/G	0.572	0.428	-0.002	0.013	0.904	22.192
rs62469212	met-c-893	7	113934926	C/A	0.592	0.408	-0.002	0.014	0.889	20.048

rs61995216	met-c-893	14	80103620	A/G	0.923	0.077	-0.003	0.025	0.901	23.252
rs3909727	met-c-893	11	126587382	A/G	0.158	0.158	-0.003	0.017	0.838	36.536
rs61836106	met-c-893	10	2639003	G/A	0.922	0.078	-0.004	0.023	0.871	27.000
rs12494242	met-c-893	3	85413180	T/C	0.718	0.282	-0.004	0.014	0.761	19.701
rs17107024	met-c-893	14	69961658	T/C	0.882	0.118	-0.005	0.019	0.785	23.746
rs17573452	met-c-893	12	60224839	C/T	0.781	0.219	-0.007	0.015	0.661	27.214
rs28533070	met-c-893	15	97177443	G/A	0.843	0.157	-0.007	0.017	0.674	31.584
rs56389750	met-c-893	3	62399917	C/T	0.705	0.295	-0.008	0.014	0.577	31.074
rs2726033	met-c-893	16	28338039	A/G	0.536	0.464	-0.008	0.013	0.544	37.449
rs2568712	met-c-893	11	91407305	T/G	0.380	0.380	-0.009	0.013	0.499	26.788
rs11231296	met-c-893	11	62758580	T/C	0.766	0.234	-0.009	0.015	0.544	22.290
rs190489703	met-c-893	12	53745262	A/G	0.992	0.008	-0.009	0.073	0.903	20.399
rs3000677	met-c-893	13	21298026	G/A	0.118	0.118	-0.009	0.020	0.645	20.978
rs142036050	met-c-893	14	33729481	T/C	0.986	0.014	-0.009	0.056	0.872	23.457
rs4837943	met-c-893	9	124882085	C/T	0.708	0.292	-0.009	0.014	0.506	19.908
rs7015	met-c-893	7	97920623	A/G	0.169	0.169	-0.010	0.017	0.574	20.665
rs8073904	met-c-893	17	79095144	G/A	0.141	0.141	-0.011	0.018	0.561	24.538
rs12154057	met-c-893	6	161867419	A/C	0.625	0.375	-0.011	0.013	0.403	22.525
rs13262595	met-c-893	8	143316970	A/G	0.409	0.409	-0.011	0.012	0.373	36.221
rs138067	met-c-893	22	44227556	A/G	0.526	0.474	-0.012	0.012	0.331	22.798
rs9868223	met-c-893	3	81724327	C/T	0.862	0.138	-0.013	0.018	0.467	27.510
rs224064	met-c-893	10	64504212	T/C	0.421	0.421	-0.013	0.012	0.284	24.795
rs276447	met-c-893	9	15581302	C/T	0.497	0.497	-0.014	0.012	0.269	77.627
rs2678900	met-c-893	2	58177683	T/G	0.594	0.406	-0.014	0.012	0.269	51.716
rs660880	met-c-893	1	6866978	G/A	0.510	0.490	-0.014	0.012	0.252	42.910
rs79644827	met-c-893	8	84739529	G/A	0.959	0.041	-0.015	0.036	0.677	23.578
rs62169335	met-c-893	2	147946069	C/T	0.500	0.500	-0.015	0.013	0.228	29.062
rs75210106	met-c-893	2	113246436	C/T	0.721	0.279	-0.016	0.014	0.266	20.244
rs1711171	met-c-893	3	136020541	T/C	0.160	0.160	-0.016	0.017	0.339	31.945
rs7204652	met-c-893	16	5675613	T/C	0.793	0.207	-0.017	0.015	0.273	38.707
rs7199285	met-c-893	16	19980931	C/T	0.820	0.180	-0.018	0.016	0.274	22.392
rs62266118	met-c-893	3	115124821	A/G	0.771	0.229	-0.018	0.015	0.223	20.670
rs114210747	met-c-893	5	144214142	C/T	0.947	0.053	-0.019	0.027	0.498	27.954

rs11023757	met-c-893	11	15902219	T/C	0.701	0.299	-0.019	0.014	0.156	20.241
rs6845321	met-c-893	4	113595869	C/T	0.709	0.291	-0.020	0.014	0.153	19.870
rs62266239	met-c-893	3	116750431	C/T	0.872	0.128	-0.022	0.018	0.235	31.621
rs11090045	met-c-893	22	41753603	G/A	0.676	0.324	-0.022	0.014	0.116	39.113
rs17547360	met-c-893	12	30169738	T/C	0.741	0.259	-0.023	0.014	0.109	19.871
rs7812804	met-c-893	8	59791586	C/T	0.696	0.304	-0.024	0.013	0.073	20.685
rs35783535	met-c-893	2	98623227	G/A	0.453	0.453	-0.029	0.013	0.021	20.573
rs2439945	met-c-893	17	5124462	C/T	0.839	0.161	-0.030	0.017	0.071	22.216
rs17203687	met-c-893	3	127684748	C/T	0.908	0.092	-0.031	0.021	0.149	20.586
rs74629965	met-c-893	6	51185853	T/G	0.933	0.067	-0.033	0.025	0.184	28.841
rs114114265	met-c-893	2	79806712	G/A	0.981	0.019	-0.037	0.048	0.448	19.609
rs184406487	met-c-893	1	198791227	C/T	0.985	0.015	-0.050	0.058	0.395	20.179
rs76218094	met-c-893	2	176215906	A/G	0.951	0.049	-0.055	0.029	0.058	25.687
rs6889815	met-c-893	5	25302404	A/C	0.881	0.119	-0.055	0.019	0.004	19.465
rs111299612	met-c-893	18	25461937	G/A	0.973	0.027	-0.060	0.046	0.201	20.795
rs78621251	met-c-893	18	63348042	A/G	0.987	0.013	-0.066	0.062	0.285	28.508
rs142325173	met-c-893	12	18822872	G/A	0.982	0.018	-0.069	0.048	0.149	21.598
rs141407174	met-c-893	7	103178027	C/T	0.978	0.022	-0.070	0.043	0.105	22.580
rs9653713	met-c-893	21	35219643	C/A	0.997	0.003	-0.135	0.126	0.287	20.099
rs12355804	met-c-925	10	3535854	C/T	0.928	0.072	0.045	0.020	0.029	24.055
rs77431173	met-c-925	7	14742864	T/C	0.984	0.016	0.035	0.050	0.497	27.146
rs34722489	met-c-925	5	127856954	C/A	0.813	0.187	0.034	0.013	0.013	19.340
rs184406487	met-c-925	1	198791227	C/T	0.983	0.017	0.026	0.045	0.569	20.179
rs3964074	met-c-925	16	74166991	T/C	0.453	0.453	0.026	0.010	0.015	32.094
rs77437455	met-c-925	3	174900715	A/G	0.960	0.040	0.025	0.030	0.409	19.823
rs190489703	met-c-925	12	53745262	A/G	0.992	0.008	0.023	0.062	0.711	20.399
rs62398404	met-c-925	6	37669616	C/T	0.862	0.138	0.023	0.015	0.133	26.526
rs13147920	met-c-925	4	181245804	C/T	0.608	0.392	0.022	0.010	0.036	23.379
rs114244865	met-c-925	4	129967492	C/T	0.968	0.032	0.022	0.030	0.464	27.605
rs1698114	met-c-925	19	49259854	A/G	0.570	0.430	0.022	0.012	0.068	33.296
rs2174239	met-c-925	14	93885496	T/C	0.214	0.214	0.021	0.013	0.108	21.143
rs2426605	met-c-925	20	54869080	A/C	0.647	0.353	0.020	0.011	0.070	21.951
rs10500285	met-c-925	19	42672760	C/T	0.928	0.072	0.018	0.020	0.385	21.620

rs11633261	met-c-925	15	25251310	G/T	0.568	0.432	0.017	0.010	0.109	22.266
rs142036050	met-c-925	14	33729481	T/C	0.985	0.015	0.017	0.045	0.712	23.457
rs1967840	met-c-925	10	112026082	A/G	0.827	0.173	0.017	0.014	0.230	23.049
rs12232839	met-c-925	19	34090242	T/G	0.104	0.104	0.015	0.017	0.382	21.229
rs2028935	met-c-925	5	19607413	A/C	0.551	0.449	0.015	0.011	0.166	21.883
rs4486004	met-c-925	6	26167710	G/T	0.758	0.242	0.015	0.012	0.232	22.893
rs72973055	met-c-925	19	3353494	G/A	0.787	0.213	0.014	0.013	0.305	28.515
rs17203687	met-c-925	3	127684748	C/T	0.905	0.095	0.013	0.018	0.476	20.586
rs1370239	met-c-925	16	64291189	A/G	0.464	0.464	0.012	0.010	0.243	24.957
rs2938609	met-c-925	6	39700434	G/A	0.575	0.425	0.012	0.010	0.252	21.363
rs75210106	met-c-925	2	113246436	C/T	0.724	0.276	0.012	0.012	0.328	20.244
rs6829572	met-c-925	4	93984155	G/A	0.632	0.368	0.011	0.011	0.296	31.349
rs3810818	met-c-925	16	4432029	A/C	0.229	0.229	0.011	0.012	0.374	26.319
rs6960970	met-c-925	7	14207740	T/C	0.177	0.177	0.011	0.014	0.447	20.913
rs13002164	met-c-925	2	56680788	C/T	0.960	0.040	0.011	0.029	0.719	22.241
rs34121855	met-c-925	7	73040814	T/G	0.829	0.171	0.011	0.014	0.443	38.189
rs74697766	met-c-925	4	105732919	T/C	0.917	0.083	0.009	0.019	0.642	19.820
rs28742222	met-c-925	7	40176752	G/T	0.580	0.420	0.009	0.010	0.414	22.104
rs795437	met-c-925	3	30804170	T/C	0.599	0.401	0.009	0.011	0.425	20.054
rs57318525	met-c-925	6	104614058	A/C	0.578	0.422	0.008	0.010	0.460	21.548
rs742359	met-c-925	1	1715011	C/A	0.758	0.242	0.007	0.012	0.578	22.904
rs11039028	met-c-925	11	46944196	G/A	0.705	0.295	0.007	0.011	0.555	23.725
rs136548	met-c-925	22	27253353	C/T	0.551	0.449	0.006	0.010	0.547	33.768
rs11231296	met-c-925	11	62758580	T/C	0.769	0.231	0.006	0.012	0.620	22.290
rs2643174	met-c-925	3	164393607	G/A	0.745	0.255	0.006	0.012	0.616	19.612
rs1458820	met-c-925	4	55990353	G/A	0.043	0.043	0.006	0.026	0.822	24.169
rs9829222	met-c-925	3	175671153	C/T	0.743	0.257	0.006	0.012	0.634	30.981
rs9297663	met-c-925	8	123728686	A/G	0.795	0.205	0.006	0.013	0.669	20.544
rs2568712	met-c-925	11	91407305	T/G	0.381	0.381	0.005	0.010	0.607	26.788
rs9464192	met-c-925	6	54987759	C/T	0.442	0.442	0.005	0.010	0.635	27.538
rs2490323	met-c-925	1	65985736	C/T	0.897	0.103	0.005	0.017	0.767	20.871
rs9317624	met-c-925	13	67506934	C/A	0.655	0.345	0.005	0.012	0.701	27.770
rs72952553	met-c-925	2	217481516	G/A	0.759	0.241	0.004	0.013	0.780	21.726

rs62469212	met-c-925	7	113934926	C/A	0.587	0.413	0.004	0.011	0.758	20.048
rs2096352	met-c-925	10	92439106	T/G	0.579	0.421	0.003	0.011	0.749	22.192
rs1504708	met-c-925	11	99252012	A/G	0.475	0.475	0.003	0.010	0.799	20.060
rs17573452	met-c-925	12	60224839	C/T	0.783	0.217	0.002	0.012	0.876	27.214
rs138067	met-c-925	22	44227556	A/G	0.531	0.469	0.002	0.010	0.863	22.798
rs17107024	met-c-925	14	69961658	T/C	0.885	0.115	0.002	0.016	0.917	23.746
rs10753761	met-c-925	1	167584973	A/G	0.138	0.138	0.001	0.016	0.936	20.338
rs963778	met-c-925	14	27009199	A/C	0.795	0.205	0.001	0.013	0.932	20.608
rs56389750	met-c-925	3	62399917	C/T	0.709	0.291	0.001	0.012	0.953	31.074
rs942038	met-c-925	13	112682875	A/G	0.371	0.371	0.000	0.011	0.993	21.212
rs12658015	met-c-925	5	164493306	A/G	0.326	0.326	0.000	0.011	0.977	36.443
rs9868223	met-c-925	3	81724327	C/T	0.862	0.138	0.000	0.015	0.976	27.510
rs11100930	met-c-925	4	147591808	G/A	0.132	0.132	-0.001	0.015	0.941	27.384
rs4936119	met-c-925	11	112486568	C/A	0.806	0.194	-0.001	0.013	0.924	26.834
rs3000677	met-c-925	13	21298026	G/A	0.117	0.117	-0.002	0.017	0.905	20.978
rs17547360	met-c-925	12	30169738	T/C	0.748	0.252	-0.002	0.012	0.852	19.871
rs7208329	met-c-925	17	33128801	C/T	0.984	0.016	-0.004	0.044	0.936	21.783
rs16926787	met-c-925	9	126506289	G/T	0.859	0.141	-0.004	0.015	0.806	21.298
rs62266118	met-c-925	3	115124821	A/G	0.778	0.222	-0.004	0.013	0.776	20.670
rs7199285	met-c-925	16	19980931	C/T	0.821	0.179	-0.005	0.013	0.709	22.392
rs2726033	met-c-925	16	28338039	A/G	0.534	0.466	-0.006	0.011	0.610	37.449
rs12051465	met-c-925	16	49551403	G/T	0.768	0.232	-0.006	0.012	0.646	21.281
rs9590216	met-c-925	13	95905305	T/C	0.796	0.204	-0.006	0.013	0.655	20.505
rs6897617	met-c-925	5	173301982	G/A	0.612	0.388	-0.006	0.011	0.586	22.000
rs12494242	met-c-925	3	85413180	T/C	0.718	0.282	-0.006	0.011	0.596	19.701
rs13262595	met-c-925	8	143316970	A/G	0.409	0.409	-0.007	0.010	0.536	36.221
rs4742644	met-c-925	9	9959413	T/C	0.706	0.294	-0.007	0.011	0.565	22.777
rs12643496	met-c-925	4	172492327	G/A	0.120	0.120	-0.007	0.016	0.682	23.522
rs72759867	met-c-925	1	243578188	T/C	0.887	0.113	-0.007	0.016	0.672	27.249
rs660880	met-c-925	1	6866978	G/A	0.517	0.483	-0.007	0.010	0.500	42.910
rs4837943	met-c-925	9	124882085	C/T	0.715	0.285	-0.007	0.012	0.538	19.908
rs10276580	met-c-925	7	11772539	T/G	0.245	0.245	-0.008	0.012	0.535	23.545
rs9372122	met-c-925	6	106742454	G/A	0.540	0.460	-0.008	0.010	0.424	20.350

rs11772832	met-c-925	7	135073047	T/C	0.628	0.372	-0.009	0.011	0.427	26.000
rs673696	met-c-925	11	31097262	C/T	0.921	0.079	-0.009	0.019	0.643	31.739
rs7204652	met-c-925	16	5675613	T/C	0.792	0.208	-0.009	0.013	0.479	38.707
rs7628382	met-c-925	3	70641810	A/G	0.594	0.406	-0.009	0.010	0.387	22.690
rs35783535	met-c-925	2	98623227	G/A	0.462	0.462	-0.009	0.011	0.375	20.573
rs3909727	met-c-925	11	126587382	A/G	0.158	0.158	-0.010	0.014	0.504	36.536
rs2439945	met-c-925	17	5124462	C/T	0.833	0.167	-0.010	0.014	0.486	22.216
rs28533070	met-c-925	15	97177443	G/A	0.843	0.157	-0.010	0.014	0.495	31.584
rs1958801	met-c-925	14	98872110	A/G	0.768	0.232	-0.010	0.012	0.424	27.583
rs2678900	met-c-925	2	58177683	T/G	0.600	0.400	-0.011	0.010	0.300	51.716
rs1193333	met-c-925	7	127609301	A/G	0.442	0.442	-0.011	0.010	0.292	29.915
rs12154057	met-c-925	6	161867419	A/C	0.623	0.377	-0.011	0.011	0.326	22.525
rs62169335	met-c-925	2	147946069	C/T	0.501	0.499	-0.011	0.010	0.284	29.062
rs276447	met-c-925	9	15581302	C/T	0.500	0.500	-0.012	0.010	0.265	77.627
rs78351874	met-c-925	2	200472560	C/T	0.826	0.174	-0.012	0.015	0.425	26.625
rs2222760	met-c-925	2	151345113	G/A	0.756	0.244	-0.012	0.012	0.325	36.656
rs11743441	met-c-925	5	88065637	G/T	0.413	0.413	-0.012	0.010	0.241	29.279
rs1711171	met-c-925	3	136020541	T/C	0.162	0.162	-0.013	0.014	0.377	31.945
rs61836106	met-c-925	10	2639003	G/A	0.923	0.077	-0.014	0.020	0.490	27.000
rs74629965	met-c-925	6	51185853	T/G	0.928	0.072	-0.014	0.020	0.498	28.841
rs11090045	met-c-925	22	41753603	G/A	0.689	0.311	-0.014	0.012	0.238	39.113
rs12996547	met-c-925	2	602036	C/T	0.607	0.393	-0.015	0.011	0.163	21.351
rs79644827	met-c-925	8	84739529	G/A	0.964	0.036	-0.015	0.031	0.630	23.578
rs61995216	met-c-925	14	80103620	A/G	0.916	0.084	-0.016	0.020	0.415	23.252
rs77529617	met-c-925	17	16502271	C/T	0.877	0.123	-0.017	0.016	0.279	31.223
rs6845321	met-c-925	4	113595869	C/T	0.702	0.298	-0.018	0.011	0.113	19.870
rs8073904	met-c-925	17	79095144	G/A	0.144	0.144	-0.018	0.015	0.226	24.538
rs11023757	met-c-925	11	15902219	T/C	0.691	0.309	-0.019	0.011	0.101	20.241
rs224064	met-c-925	10	64504212	T/C	0.426	0.426	-0.020	0.010	0.052	24.795
rs7015	met-c-925	7	97920623	A/G	0.172	0.172	-0.021	0.014	0.142	20.665
rs12588402	met-c-925	14	29738282	A/G	0.414	0.414	-0.021	0.010	0.043	22.932
rs62266239	met-c-925	3	116750431	C/T	0.872	0.128	-0.023	0.015	0.149	31.621
rs6889815	met-c-925	5	25302404	A/C	0.878	0.122	-0.023	0.016	0.157	19.465

rs62107261	met-c-925	2	422144	T/C	0.972	0.028	-0.025	0.038	0.520	31.903
rs114210747	met-c-925	5	144214142	C/T	0.948	0.052	-0.027	0.023	0.259	27.954
rs7812804	met-c-925	8	59791586	C/T	0.700	0.300	-0.030	0.011	0.009	20.685
rs78621251	met-c-925	18	63348042	A/G	0.986	0.014	-0.030	0.050	0.553	28.508
rs142325173	met-c-925	12	18822872	G/A	0.981	0.019	-0.035	0.040	0.385	21.598
rs141407174	met-c-925	7	103178027	C/T	0.978	0.022	-0.038	0.036	0.300	22.580
rs76218094	met-c-925	2	176215906	A/G	0.950	0.050	-0.051	0.024	0.034	25.687
rs114114265	met-c-925	2	79806712	G/A	0.976	0.024	-0.069	0.035	0.054	19.609
rs111299612	met-c-925	18	25461937	G/A	0.973	0.027	-0.084	0.040	0.037	20.795
rs9653713	met-c-925	21	35219643	C/A	0.997	0.003	-0.103	0.110	0.355	20.099
rs141934869	met-c-925	8	27775477	G/T	0.996	0.004	-0.117	0.095	0.224	24.322
rs77431173	met-c-937	7	14742864	T/C	0.985	0.015	0.156	0.062	0.012	27.146
rs141934869	met-c-937	8	27775477	G/T	0.997	0.003	0.149	0.123	0.230	24.322
rs77437455	met-c-937	3	174900715	A/G	0.959	0.041	0.067	0.036	0.060	19.823
rs7208329	met-c-937	17	33128801	C/T	0.985	0.015	0.044	0.052	0.402	21.783
rs1458820	met-c-937	4	55990353	G/A	0.040	0.040	0.040	0.032	0.219	24.169
rs2028935	met-c-937	5	19607413	A/C	0.551	0.449	0.038	0.013	0.003	21.883
rs9590216	met-c-937	13	95905305	T/C	0.797	0.203	0.033	0.015	0.031	20.505
rs34722489	met-c-937	5	127856954	C/A	0.813	0.187	0.029	0.016	0.065	19.340
rs28742222	met-c-937	7	40176752	G/T	0.582	0.418	0.029	0.012	0.020	22.104
rs2938609	met-c-937	6	39700434	G/A	0.571	0.429	0.028	0.013	0.027	21.363
rs4486004	met-c-937	6	26167710	G/T	0.761	0.239	0.026	0.014	0.068	22.893
rs3964074	met-c-937	16	74166991	T/C	0.461	0.461	0.024	0.012	0.058	32.094
rs72952553	met-c-937	2	217481516	G/A	0.760	0.240	0.023	0.016	0.163	21.726
rs62398404	met-c-937	6	37669616	C/T	0.868	0.132	0.021	0.018	0.244	26.526
rs795437	met-c-937	3	30804170	T/C	0.598	0.402	0.021	0.013	0.094	20.054
rs78351874	met-c-937	2	200472560	C/T	0.831	0.169	0.021	0.018	0.246	26.625
rs1698114	met-c-937	19	49259854	A/G	0.577	0.423	0.020	0.014	0.142	33.296
rs74697766	met-c-937	4	105732919	T/C	0.914	0.086	0.020	0.022	0.374	19.820
rs2096352	met-c-937	10	92439106	T/G	0.572	0.428	0.017	0.013	0.191	22.192
rs4742644	met-c-937	9	9959413	T/C	0.703	0.297	0.016	0.013	0.229	22.777
rs2222760	met-c-937	2	151345113	G/A	0.756	0.244	0.016	0.015	0.278	36.656
rs942038	met-c-937	13	112682875	A/G	0.386	0.386	0.016	0.013	0.215	21.212

rs61995216	met-c-937	14	80103620	A/G	0.923	0.077	0.016	0.025	0.524	23.252
rs13147920	met-c-937	4	181245804	C/T	0.607	0.393	0.015	0.013	0.229	23.379
rs57318525	met-c-937	6	104614058	A/C	0.582	0.418	0.015	0.012	0.229	21.548
rs3909727	met-c-937	11	126587382	A/G	0.157	0.157	0.015	0.017	0.381	36.536
rs77529617	met-c-937	17	16502271	C/T	0.872	0.128	0.015	0.018	0.422	31.223
rs12051465	met-c-937	16	49551403	G/T	0.769	0.231	0.014	0.015	0.335	21.281
rs9372122	met-c-937	6	106742454	G/A	0.540	0.460	0.014	0.012	0.270	20.350
rs9464192	met-c-937	6	54987759	C/T	0.452	0.452	0.012	0.012	0.320	27.538
rs2726033	met-c-937	16	28338039	A/G	0.536	0.464	0.012	0.013	0.349	37.449
rs9829222	met-c-937	3	175671153	C/T	0.737	0.263	0.012	0.014	0.388	30.981
rs12996547	met-c-937	2	602036	C/T	0.607	0.393	0.012	0.013	0.343	21.351
rs62266239	met-c-937	3	116750431	C/T	0.872	0.128	0.011	0.018	0.561	31.621
rs1370239	met-c-937	16	64291189	A/G	0.466	0.466	0.010	0.012	0.406	24.957
rs78621251	met-c-937	18	63348042	A/G	0.987	0.013	0.010	0.061	0.870	28.508
rs11772832	met-c-937	7	135073047	T/C	0.628	0.372	0.010	0.013	0.451	26.000
rs11633261	met-c-937	15	25251310	G/T	0.575	0.425	0.009	0.012	0.452	22.266
rs673696	met-c-937	11	31097262	C/T	0.920	0.080	0.009	0.023	0.692	31.739
rs28533070	met-c-937	15	97177443	G/A	0.843	0.157	0.008	0.017	0.621	31.584
rs12232839	met-c-937	19	34090242	T/G	0.107	0.107	0.008	0.020	0.683	21.229
rs34121855	met-c-937	7	73040814	T/G	0.830	0.170	0.008	0.017	0.630	38.189
rs11743441	met-c-937	5	88065637	G/T	0.414	0.414	0.007	0.012	0.550	29.279
rs3000677	met-c-937	13	21298026	G/A	0.118	0.118	0.007	0.020	0.713	20.978
rs12643496	met-c-937	4	172492327	G/A	0.124	0.124	0.006	0.019	0.744	23.522
rs963778	met-c-937	14	27009199	A/C	0.794	0.206	0.006	0.015	0.713	20.608
rs3810818	met-c-937	16	4432029	A/C	0.238	0.238	0.005	0.014	0.706	26.319
rs10753761	met-c-937	1	167584973	A/G	0.135	0.135	0.005	0.020	0.788	20.338
rs79644827	met-c-937	8	84739529	G/A	0.959	0.041	0.005	0.035	0.884	23.578
rs6829572	met-c-937	4	93984155	G/A	0.632	0.368	0.005	0.013	0.714	31.349
rs11023757	met-c-937	11	15902219	T/C	0.701	0.299	0.005	0.013	0.738	20.241
rs141407174	met-c-937	7	103178027	C/T	0.978	0.022	0.004	0.043	0.921	22.580
rs1967840	met-c-937	10	112026082	A/G	0.826	0.174	0.003	0.016	0.836	23.049
rs12355804	met-c-937	10	3535854	C/T	0.932	0.068	0.003	0.025	0.895	24.055
rs6897617	met-c-937	5	173301982	G/A	0.608	0.392	0.003	0.013	0.797	22.000

rs72973055	met-c-937	19	3353494	G/A	0.786	0.214	0.003	0.016	0.872	28.515
rs2490323	met-c-937	1	65985736	C/T	0.899	0.101	0.002	0.020	0.911	20.871
rs11090045	met-c-937	22	41753603	G/A	0.676	0.324	0.001	0.014	0.926	39.113
rs7628382	met-c-937	3	70641810	A/G	0.596	0.404	0.001	0.013	0.940	22.690
rs4936119	met-c-937	11	112486568	C/A	0.809	0.191	0.001	0.016	0.953	26.834
rs4837943	met-c-937	9	124882085	C/T	0.708	0.292	0.000	0.014	0.973	19.908
rs138067	met-c-937	22	44227556	A/G	0.525	0.475	0.000	0.012	0.985	22.798
rs2643174	met-c-937	3	164393607	G/A	0.749	0.251	0.000	0.014	0.997	19.612
rs13002164	met-c-937	2	56680788	C/T	0.961	0.039	-0.001	0.035	0.988	22.241
rs224064	met-c-937	10	64504212	T/C	0.421	0.421	-0.001	0.012	0.906	24.795
rs2426605	met-c-937	20	54869080	A/C	0.643	0.357	-0.002	0.013	0.900	21.951
rs6960970	met-c-937	7	14207740	T/C	0.176	0.176	-0.002	0.017	0.921	20.913
rs2174239	met-c-937	14	93885496	T/C	0.222	0.222	-0.002	0.015	0.887	21.143
rs2439945	met-c-937	17	5124462	C/T	0.839	0.161	-0.002	0.017	0.895	22.216
rs12494242	met-c-937	3	85413180	T/C	0.718	0.282	-0.002	0.014	0.870	19.701
rs1504708	met-c-937	11	99252012	A/G	0.483	0.483	-0.002	0.012	0.853	20.060
rs7015	met-c-937	7	97920623	A/G	0.169	0.169	-0.003	0.017	0.875	20.665
rs75210106	met-c-937	2	113246436	C/T	0.721	0.279	-0.003	0.014	0.841	20.244
rs9297663	met-c-937	8	123728686	A/G	0.802	0.198	-0.003	0.015	0.852	20.544
rs56389750	met-c-937	3	62399917	C/T	0.705	0.295	-0.003	0.014	0.840	31.074
rs12154057	met-c-937	6	161867419	A/C	0.625	0.375	-0.003	0.013	0.810	22.525
rs72759867	met-c-937	1	243578188	T/C	0.891	0.109	-0.003	0.020	0.871	27.249
rs11231296	met-c-937	11	62758580	T/C	0.766	0.234	-0.003	0.014	0.812	22.290
rs74629965	met-c-937	6	51185853	T/G	0.933	0.067	-0.004	0.025	0.881	28.841
rs62469212	met-c-937	7	113934926	C/A	0.591	0.409	-0.004	0.014	0.772	20.048
rs136548	met-c-937	22	27253353	C/T	0.539	0.461	-0.004	0.012	0.720	33.768
rs62266118	met-c-937	3	115124821	A/G	0.771	0.229	-0.005	0.015	0.731	20.670
rs17203687	met-c-937	3	127684748	C/T	0.908	0.092	-0.005	0.021	0.804	20.586
rs1193333	met-c-937	7	127609301	A/G	0.431	0.431	-0.005	0.012	0.664	29.915
rs10276580	met-c-937	7	11772539	T/G	0.235	0.235	-0.007	0.015	0.639	23.545
rs114244865	met-c-937	4	129967492	C/T	0.969	0.031	-0.007	0.036	0.845	27.605
rs142036050	met-c-937	14	33729481	T/C	0.987	0.013	-0.008	0.056	0.884	23.457
rs17573452	met-c-937	12	60224839	C/T	0.781	0.219	-0.009	0.015	0.552	27.214

rs9868223	met-c-937	3	81724327	C/T	0.862	0.138	-0.009	0.018	0.620	27.510
rs660880	met-c-937	1	6866978	G/A	0.511	0.489	-0.011	0.012	0.390	42.910
rs9317624	met-c-937	13	67506934	C/A	0.655	0.345	-0.011	0.014	0.435	27.770
rs16926787	met-c-937	9	126506289	G/T	0.858	0.142	-0.012	0.018	0.495	21.298
rs12658015	met-c-937	5	164493306	A/G	0.321	0.321	-0.012	0.013	0.359	36.443
rs10500285	met-c-937	19	42672760	C/T	0.929	0.071	-0.012	0.024	0.605	21.620
rs742359	met-c-937	1	1715011	C/A	0.760	0.240	-0.012	0.014	0.391	22.904
rs13262595	met-c-937	8	143316970	A/G	0.408	0.408	-0.013	0.012	0.312	36.221
rs11039028	met-c-937	11	46944196	G/A	0.704	0.296	-0.013	0.013	0.342	23.725
rs7204652	met-c-937	16	5675613	T/C	0.794	0.206	-0.013	0.015	0.394	38.707
rs2678900	met-c-937	2	58177683	T/G	0.594	0.406	-0.013	0.012	0.285	51.716
rs6845321	met-c-937	4	113595869	C/T	0.709	0.291	-0.014	0.014	0.319	19.870
rs1958801	met-c-937	14	98872110	A/G	0.769	0.231	-0.014	0.015	0.355	27.583
rs17547360	met-c-937	12	30169738	T/C	0.740	0.260	-0.014	0.014	0.308	19.871
rs62107261	met-c-937	2	422144	T/C	0.974	0.026	-0.015	0.048	0.757	31.903
rs111299612	met-c-937	18	25461937	G/A	0.973	0.027	-0.015	0.046	0.749	20.795
rs2568712	met-c-937	11	91407305	T/G	0.380	0.380	-0.016	0.013	0.217	26.788
rs11100930	met-c-937	4	147591808	G/A	0.139	0.139	-0.017	0.018	0.334	27.384
rs62169335	met-c-937	2	147946069	C/T	0.500	0.500	-0.020	0.013	0.113	29.062
rs276447	met-c-937	9	15581302	C/T	0.497	0.497	-0.020	0.012	0.102	77.627
rs7812804	met-c-937	8	59791586	C/T	0.696	0.304	-0.021	0.013	0.124	20.685
rs1711171	met-c-937	3	136020541	T/C	0.160	0.160	-0.022	0.017	0.201	31.945
rs12588402	met-c-937	14	29738282	A/G	0.419	0.419	-0.022	0.012	0.082	22.932
rs7199285	met-c-937	16	19980931	C/T	0.820	0.180	-0.022	0.016	0.172	22.392
rs17107024	met-c-937	14	69961658	T/C	0.882	0.118	-0.023	0.019	0.233	23.746
rs184406487	met-c-937	1	198791227	C/T	0.985	0.015	-0.024	0.058	0.681	20.179
rs8073904	met-c-937	17	79095144	G/A	0.141	0.141	-0.025	0.018	0.165	24.538
rs35783535	met-c-937	2	98623227	G/A	0.453	0.453	-0.026	0.013	0.036	20.573
rs61836106	met-c-937	10	2639003	G/A	0.922	0.078	-0.027	0.023	0.258	27.000
rs114114265	met-c-937	2	79806712	G/A	0.981	0.019	-0.030	0.048	0.526	19.609
rs114210747	met-c-937	5	144214142	C/T	0.947	0.053	-0.031	0.027	0.256	27.954
rs6889815	met-c-937	5	25302404	A/C	0.881	0.119	-0.034	0.019	0.073	19.465
rs142325173	met-c-937	12	18822872	G/A	0.982	0.018	-0.045	0.048	0.352	21.598

rs76218094	met-c-937	2	176215906	A/G	0.951	0.049	-0.045	0.029	0.116	25.687
rs190489703	met-c-937	12	53745262	A/G	0.992	0.008	-0.059	0.072	0.419	20.399
rs9653713	met-c-937	21	35219643	C/A	0.997	0.003	-0.118	0.126	0.350	20.099
rs77431173	met-c-950	7	14742864	T/C	0.984	0.016	0.081	0.051	0.113	27.146
rs142036050	met-c-950	14	33729481	T/C	0.985	0.015	0.079	0.045	0.080	23.457
rs13002164	met-c-950	2	56680788	C/T	0.960	0.040	0.055	0.030	0.067	22.241
rs62398404	met-c-950	6	37669616	C/T	0.862	0.138	0.037	0.015	0.015	26.526
rs12232839	met-c-950	19	34090242	T/G	0.104	0.104	0.036	0.019	0.059	21.229
rs942038	met-c-950	13	112682875	A/G	0.371	0.371	0.035	0.011	0.001	21.212
rs190489703	met-c-950	12	53745262	A/G	0.992	0.008	0.030	0.062	0.638	20.399
rs2174239	met-c-950	14	93885496	T/C	0.214	0.214	0.029	0.013	0.030	21.143
rs9590216	met-c-950	13	95905305	T/C	0.795	0.205	0.025	0.013	0.048	20.505
rs79644827	met-c-950	8	84739529	G/A	0.964	0.036	0.025	0.032	0.437	23.578
rs3964074	met-c-950	16	74166991	T/C	0.453	0.453	0.024	0.010	0.023	32.094
rs795437	met-c-950	3	30804170	T/C	0.598	0.402	0.021	0.011	0.054	20.054
rs57318525	met-c-950	6	104614058	A/C	0.578	0.422	0.020	0.011	0.055	21.548
rs72759867	met-c-950	1	243578188	T/C	0.887	0.113	0.018	0.016	0.266	27.249
rs11039028	met-c-950	11	46944196	G/A	0.705	0.295	0.018	0.011	0.126	23.725
rs17573452	met-c-950	12	60224839	C/T	0.783	0.217	0.017	0.013	0.169	27.214
rs4486004	met-c-950	6	26167710	G/T	0.757	0.243	0.016	0.012	0.176	22.893
rs2568712	met-c-950	11	91407305	T/G	0.381	0.381	0.014	0.011	0.181	26.788
rs2426605	met-c-950	20	54869080	A/C	0.647	0.353	0.013	0.011	0.243	21.951
rs74629965	met-c-950	6	51185853	T/G	0.928	0.072	0.012	0.020	0.547	28.841
rs13147920	met-c-950	4	181245804	C/T	0.592	0.408	0.012	0.011	0.283	23.379
rs2028935	met-c-950	5	19607413	A/C	0.551	0.449	0.011	0.011	0.302	21.883
rs1698114	met-c-950	19	49259854	A/G	0.565	0.435	0.011	0.013	0.411	33.296
rs742359	met-c-950	1	1715011	C/A	0.758	0.242	0.010	0.012	0.410	22.904
rs61995216	met-c-950	14	80103620	A/G	0.916	0.084	0.010	0.020	0.615	23.252
rs12051465	met-c-950	16	49551403	G/T	0.768	0.232	0.010	0.012	0.426	21.281
rs3909727	met-c-950	11	126587382	A/G	0.157	0.157	0.010	0.014	0.501	36.536
rs184406487	met-c-950	1	198791227	C/T	0.983	0.017	0.009	0.046	0.838	20.179
rs17203687	met-c-950	3	127684748	C/T	0.906	0.094	0.009	0.018	0.608	20.586
rs9464192	met-c-950	6	54987759	C/T	0.442	0.442	0.009	0.011	0.384	27.538

rs6960970	met-c-950	7	14207740	T/C	0.177	0.177	0.009	0.014	0.517	20.913
rs9868223	met-c-950	3	81724327	C/T	0.862	0.138	0.009	0.015	0.543	27.510
rs2096352	met-c-950	10	92439106	T/G	0.580	0.420	0.009	0.011	0.419	22.192
rs2726033	met-c-950	16	28338039	A/G	0.533	0.467	0.009	0.011	0.433	37.449
rs4837943	met-c-950	9	124882085	C/T	0.715	0.285	0.009	0.012	0.483	19.908
rs1958801	met-c-950	14	98872110	A/G	0.764	0.236	0.008	0.014	0.544	27.583
rs1193333	met-c-950	7	127609301	A/G	0.444	0.444	0.008	0.011	0.445	29.915
rs62266118	met-c-950	3	115124821	A/G	0.778	0.222	0.008	0.013	0.539	20.670
rs673696	met-c-950	11	31097262	C/T	0.921	0.079	0.008	0.019	0.685	31.739
rs7015	met-c-950	7	97920623	A/G	0.172	0.172	0.007	0.014	0.606	20.665
rs1711171	met-c-950	3	136020541	T/C	0.162	0.162	0.007	0.014	0.611	31.945
rs62266239	met-c-950	3	116750431	C/T	0.872	0.128	0.007	0.015	0.659	31.621
rs12658015	met-c-950	5	164493306	A/G	0.325	0.325	0.007	0.011	0.565	36.443
rs963778	met-c-950	14	27009199	A/C	0.796	0.204	0.006	0.013	0.640	20.608
rs11231296	met-c-950	11	62758580	T/C	0.769	0.231	0.006	0.012	0.656	22.290
rs8073904	met-c-950	17	79095144	G/A	0.144	0.144	0.005	0.015	0.721	24.538
rs3810818	met-c-950	16	4432029	A/C	0.229	0.229	0.005	0.012	0.680	26.319
rs7204652	met-c-950	16	5675613	T/C	0.791	0.209	0.005	0.013	0.712	38.707
rs6829572	met-c-950	4	93984155	G/A	0.632	0.368	0.005	0.011	0.678	31.349
rs77529617	met-c-950	17	16502271	C/T	0.877	0.123	0.004	0.016	0.789	31.223
rs1967840	met-c-950	10	112026082	A/G	0.826	0.174	0.004	0.014	0.777	23.049
rs7628382	met-c-950	3	70641810	A/G	0.594	0.406	0.004	0.011	0.728	22.690
rs9829222	met-c-950	3	175671153	C/T	0.744	0.256	0.004	0.012	0.764	30.981
rs12643496	met-c-950	4	172492327	G/A	0.120	0.120	0.003	0.016	0.835	23.522
rs136548	met-c-950	22	27253353	C/T	0.551	0.449	0.003	0.010	0.783	33.768
rs11743441	met-c-950	5	88065637	G/T	0.414	0.414	0.002	0.011	0.817	29.279
rs660880	met-c-950	1	6866978	G/A	0.517	0.483	0.002	0.010	0.842	42.910
rs17547360	met-c-950	12	30169738	T/C	0.749	0.251	0.002	0.012	0.896	19.871
rs9317624	met-c-950	13	67506934	C/A	0.654	0.346	0.001	0.012	0.937	27.770
rs61836106	met-c-950	10	2639003	G/A	0.922	0.078	0.001	0.020	0.973	27.000
rs138067	met-c-950	22	44227556	A/G	0.531	0.469	0.001	0.010	0.953	22.798
rs11633261	met-c-950	15	25251310	G/T	0.568	0.432	0.001	0.010	0.957	22.266
rs9297663	met-c-950	8	123728686	A/G	0.795	0.205	0.000	0.013	0.970	20.544

rs2938609	met-c-950	6	39700434	G/A	0.575	0.425	0.000	0.011	0.966	21.363
rs10500285	met-c-950	19	42672760	C/T	0.927	0.073	0.000	0.022	0.985	21.620
rs9372122	met-c-950	6	106742454	G/A	0.540	0.460	-0.002	0.010	0.845	20.350
rs4742644	met-c-950	9	9959413	T/C	0.705	0.295	-0.002	0.012	0.849	22.777
rs1504708	met-c-950	11	99252012	A/G	0.474	0.474	-0.003	0.010	0.808	20.060
rs72952553	met-c-950	2	217481516	G/A	0.760	0.240	-0.003	0.013	0.817	21.726
rs1370239	met-c-950	16	64291189	A/G	0.464	0.464	-0.003	0.010	0.754	24.957
rs78351874	met-c-950	2	200472560	C/T	0.827	0.173	-0.003	0.015	0.822	26.625
rs276447	met-c-950	9	15581302	C/T	0.500	0.500	-0.004	0.011	0.702	77.627
rs11090045	met-c-950	22	41753603	G/A	0.689	0.311	-0.005	0.012	0.670	39.113
rs56389750	met-c-950	3	62399917	C/T	0.708	0.292	-0.005	0.012	0.670	31.074
rs11772832	met-c-950	7	135073047	T/C	0.629	0.371	-0.005	0.011	0.619	26.000
rs2490323	met-c-950	1	65985736	C/T	0.896	0.104	-0.006	0.017	0.742	20.871
rs17107024	met-c-950	14	69961658	T/C	0.885	0.115	-0.006	0.016	0.725	23.746
rs2222760	met-c-950	2	151345113	G/A	0.755	0.245	-0.006	0.012	0.615	36.656
rs6845321	met-c-950	4	113595869	C/T	0.703	0.297	-0.006	0.012	0.590	19.870
rs34722489	met-c-950	5	127856954	C/A	0.813	0.187	-0.006	0.014	0.642	19.340
rs7199285	met-c-950	16	19980931	C/T	0.821	0.179	-0.007	0.013	0.631	22.392
rs2678900	met-c-950	2	58177683	T/G	0.600	0.400	-0.007	0.011	0.535	51.716
rs2643174	met-c-950	3	164393607	G/A	0.744	0.256	-0.007	0.012	0.572	19.612
rs4936119	met-c-950	11	112486568	C/A	0.807	0.193	-0.008	0.013	0.571	26.834
rs28533070	met-c-950	15	97177443	G/A	0.843	0.157	-0.008	0.014	0.595	31.584
rs75210106	met-c-950	2	113246436	C/T	0.724	0.276	-0.008	0.012	0.487	20.244
rs62107261	met-c-950	2	422144	T/C	0.972	0.028	-0.009	0.038	0.818	31.903
rs72973055	met-c-950	19	3353494	G/A	0.786	0.214	-0.009	0.015	0.564	28.515
rs7812804	met-c-950	8	59791586	C/T	0.700	0.300	-0.009	0.011	0.445	20.685
rs16926787	met-c-950	9	126506289	G/T	0.859	0.141	-0.009	0.015	0.560	21.298
rs10753761	met-c-950	1	167584973	A/G	0.139	0.139	-0.009	0.016	0.579	20.338
rs77437455	met-c-950	3	174900715	A/G	0.960	0.040	-0.012	0.031	0.703	19.823
rs62169335	met-c-950	2	147946069	C/T	0.501	0.499	-0.012	0.011	0.258	29.062
rs13262595	met-c-950	8	143316970	A/G	0.409	0.409	-0.013	0.011	0.236	36.221
rs12355804	met-c-950	10	3535854	C/T	0.928	0.072	-0.013	0.020	0.523	24.055
rs12996547	met-c-950	2	602036	C/T	0.608	0.392	-0.015	0.011	0.164	21.351

rs11023757	met-c-950	11	15902219	T/C	0.691	0.309	-0.016	0.011	0.151	20.241
rs11100930	met-c-950	4	147591808	G/A	0.133	0.133	-0.017	0.016	0.294	27.384
rs12588402	met-c-950	14	29738282	A/G	0.413	0.413	-0.017	0.010	0.111	22.932
rs12154057	met-c-950	6	161867419	A/C	0.623	0.377	-0.017	0.011	0.136	22.525
rs10276580	met-c-950	7	11772539	T/G	0.246	0.246	-0.018	0.012	0.144	23.545
rs6889815	met-c-950	5	25302404	A/C	0.877	0.123	-0.019	0.016	0.244	19.465
rs6897617	met-c-950	5	173301982	G/A	0.613	0.387	-0.019	0.011	0.080	22.000
rs111299612	met-c-950	18	25461937	G/A	0.973	0.027	-0.021	0.040	0.597	20.795
rs224064	met-c-950	10	64504212	T/C	0.427	0.427	-0.022	0.011	0.041	24.795
rs35783535	met-c-950	2	98623227	G/A	0.463	0.463	-0.022	0.011	0.037	20.573
rs2439945	met-c-950	17	5124462	C/T	0.833	0.167	-0.022	0.014	0.110	22.216
rs3000677	met-c-950	13	21298026	G/A	0.116	0.116	-0.023	0.017	0.179	20.978
rs12494242	met-c-950	3	85413180	T/C	0.719	0.281	-0.025	0.011	0.032	19.701
rs62469212	met-c-950	7	113934926	C/A	0.586	0.414	-0.027	0.012	0.022	20.048
rs141934869	met-c-950	8	27775477	G/T	0.996	0.004	-0.033	0.095	0.733	24.322
rs9653713	met-c-950	21	35219643	C/A	0.997	0.003	-0.035	0.112	0.755	20.099
rs7208329	met-c-950	17	33128801	C/T	0.984	0.016	-0.044	0.044	0.316	21.783
rs78621251	met-c-950	18	63348042	A/G	0.987	0.013	-0.047	0.050	0.347	28.508
rs141407174	met-c-950	7	103178027	C/T	0.978	0.022	-0.050	0.036	0.175	22.580
rs76218094	met-c-950	2	176215906	A/G	0.950	0.050	-0.064	0.024	0.008	25.687
rs114114265	met-c-950	2	79806712	G/A	0.976	0.024	-0.066	0.035	0.064	19.609
rs142325173	met-c-950	12	18822872	G/A	0.981	0.019	-0.113	0.040	0.005	21.598

Spread type: Other oil-based spread

rs144421185	Hydroxybutyrylcarnitine	6	133878464	G/A	0.023	0.023	0.076	0.053	0.152	20.762
rs112483285	Hydroxybutyrylcarnitine	15	41398607	A/C	0.011	0.011	0.057	0.082	0.490	19.961
rs74425759	Hydroxybutyrylcarnitine	4	138126991	G/A	0.080	0.080	0.053	0.027	0.048	19.795
rs4592963	Hydroxybutyrylcarnitine	22	49465629	C/T	0.675	0.325	0.032	0.016	0.044	21.885
rs4681332	Hydroxybutyrylcarnitine	3	144194907	T/C	0.435	0.435	0.027	0.015	0.069	24.846
rs200525575	Hydroxybutyrylcarnitine	4	65534103	G/A	0.414	0.414	0.017	0.017	0.317	19.643
rs10432203	Hydroxybutyrylcarnitine	18	48180842	A/C	0.326	0.326	0.016	0.016	0.325	20.117
rs11916226	Hydroxybutyrylcarnitine	3	193614363	G/A	0.309	0.309	0.016	0.016	0.330	20.050
rs56131013	Hydroxybutyrylcarnitine	6	28320677	G/A	0.238	0.238	0.014	0.017	0.436	28.832
rs2726519	Hydroxybutyrylcarnitine	4	106193334	T/C	0.544	0.456	0.011	0.015	0.440	25.046

rs4817455	Hydroxybutyrylcarnitine	21	33449227	C/T	0.120	0.120	0.006	0.023	0.805	20.437
rs72743359	Hydroxybutyrylcarnitine	9	104212789	G/T	0.053	0.053	-0.006	0.034	0.871	20.192
rs62530050	Hydroxybutyrylcarnitine	8	125418561	T/C	0.078	0.078	-0.006	0.028	0.831	20.790
rs12958036	Hydroxybutyrylcarnitine	18	67363788	G/A	0.390	0.390	-0.007	0.015	0.648	25.323
rs6778602	Hydroxybutyrylcarnitine	3	84147330	C/A	0.655	0.345	-0.008	0.016	0.626	25.052
rs60420669	Hydroxybutyrylcarnitine	10	69788149	A/G	0.138	0.138	-0.008	0.021	0.706	19.639
rs12620606	Hydroxybutyrylcarnitine	2	242154015	A/G	0.556	0.444	-0.013	0.015	0.381	20.731
rs61947293	Hydroxybutyrylcarnitine	13	35192863	C/T	0.037	0.037	-0.014	0.040	0.731	21.323
rs2722566	Hydroxybutyrylcarnitine	2	5875714	A/G	0.462	0.462	-0.015	0.015	0.320	19.744
rs6884470	Hydroxybutyrylcarnitine	5	127956581	G/A	0.134	0.134	-0.018	0.021	0.412	23.475
rs4141422	Hydroxybutyrylcarnitine	1	88751417	C/T	0.073	0.073	-0.019	0.029	0.514	21.225
rs11980421	Hydroxybutyrylcarnitine	7	147916800	A/G	0.643	0.357	-0.020	0.016	0.194	22.030
rs2885697	Hydroxybutyrylcarnitine	1	41544279	G/T	0.666	0.334	-0.025	0.016	0.112	19.804
rs12892826	Hydroxybutyrylcarnitine	14	47470426	G/A	0.070	0.070	-0.028	0.029	0.344	21.734
rs74378438	Hydroxybutyrylcarnitine	2	190205576	G/A	0.046	0.046	-0.028	0.035	0.421	26.531
rs4742321	Hydroxybutyrylcarnitine	9	7255930	A/G	0.175	0.175	-0.043	0.020	0.028	22.987
rs540153603	Hydroxybutyrylcarnitine	10	125549694	A/G	0.051	0.051	-0.057	0.046	0.216	20.048
rs144455261	Hydroxybutyrylcarnitine	5	114149249	T/C	0.031	0.031	-0.094	0.043	0.029	19.798
rs4742321	PC aa C24:0	9	7255930	A/G	0.175	0.175	0.032	0.020	0.099	22.987
rs62530050	PC aa C24:0	8	125418561	T/C	0.078	0.078	0.032	0.028	0.262	20.790
rs144421185	PC aa C24:0	6	133878464	G/A	0.023	0.023	0.029	0.054	0.586	20.762
rs2722566	PC aa C24:0	2	5875714	A/G	0.462	0.462	0.026	0.015	0.084	19.744
rs112483285	PC aa C24:0	15	41398607	A/C	0.011	0.011	0.025	0.082	0.761	19.961
rs4592963	PC aa C24:0	22	49465629	C/T	0.675	0.325	0.018	0.016	0.249	21.885
rs61947293	PC aa C24:0	13	35192863	C/T	0.037	0.037	0.015	0.040	0.714	21.323
rs74425759	PC aa C24:0	4	138126991	G/A	0.080	0.080	0.012	0.027	0.662	19.795
rs12892826	PC aa C24:0	14	47470426	G/A	0.070	0.070	0.012	0.030	0.694	21.734
rs200525575	PC aa C24:0	4	65534103	G/A	0.414	0.414	0.010	0.017	0.545	19.643
rs6778602	PC aa C24:0	3	84147330	C/A	0.655	0.345	0.008	0.016	0.603	25.052
rs4817455	PC aa C24:0	21	33449227	C/T	0.120	0.120	0.005	0.023	0.813	20.437
rs144455261	PC aa C24:0	5	114149249	T/C	0.031	0.031	0.005	0.043	0.903	19.798
rs12620606	PC aa C24:0	2	242154015	A/G	0.556	0.444	0.003	0.015	0.840	20.731
rs12958036	PC aa C24:0	18	67363788	G/A	0.390	0.390	-0.003	0.015	0.832	25.323

rs10432203	PC aa C24:0	18	48180842	A/C	0.326	0.326	-0.005	0.016	0.746	20.117
rs6884470	PC aa C24:0	5	127956581	G/A	0.134	0.134	-0.006	0.022	0.765	23.475
rs2885697	PC aa C24:0	1	41544279	G/T	0.666	0.334	-0.009	0.016	0.571	19.804
rs11916226	PC aa C24:0	3	193614363	G/A	0.309	0.309	-0.010	0.016	0.554	20.050
rs60420669	PC aa C24:0	10	69788149	A/G	0.138	0.138	-0.012	0.022	0.574	19.639
rs4141422	PC aa C24:0	1	88751417	C/T	0.073	0.073	-0.012	0.029	0.671	21.225
rs72743359	PC aa C24:0	9	104212789	G/T	0.053	0.053	-0.016	0.035	0.638	20.192
rs4681332	PC aa C24:0	3	144194907	T/C	0.435	0.435	-0.019	0.015	0.207	24.846
rs74378438	PC aa C24:0	2	190205576	G/A	0.046	0.046	-0.021	0.036	0.563	26.531
rs2726519	PC aa C24:0	4	106193334	T/C	0.544	0.456	-0.023	0.015	0.124	25.046
rs11980421	PC aa C24:0	7	147916800	A/G	0.643	0.357	-0.029	0.016	0.069	22.030
rs540153603	PC aa C24:0	10	125549694	A/G	0.051	0.051	-0.030	0.047	0.524	20.048
rs56131013	PC aa C24:0	6	28320677	G/A	0.238	0.238	-0.042	0.017	0.016	28.832
rs144421185	PC aa C32:2	6	133878464	G/A	0.023	0.023	0.148	0.053	0.005	20.762
rs112483285	PC aa C32:2	15	41398607	A/C	0.011	0.011	0.087	0.081	0.282	19.961
rs62530050	PC aa C32:2	8	125418561	T/C	0.078	0.078	0.055	0.028	0.050	20.790
rs6884470	PC aa C32:2	5	127956581	G/A	0.134	0.134	0.031	0.021	0.138	23.475
rs72743359	PC aa C32:2	9	104212789	G/T	0.053	0.053	0.028	0.034	0.403	20.192
rs144455261	PC aa C32:2	5	114149249	T/C	0.031	0.031	0.026	0.043	0.549	19.798
rs2722566	PC aa C32:2	2	5875714	A/G	0.462	0.462	0.025	0.015	0.084	19.744
rs4592963	PC aa C32:2	22	49465629	C/T	0.675	0.325	0.020	0.016	0.211	21.885
rs6778602	PC aa C32:2	3	84147330	C/A	0.655	0.345	0.016	0.015	0.289	25.052
rs74378438	PC aa C32:2	2	190205576	G/A	0.046	0.046	0.009	0.035	0.788	26.531
rs4742321	PC aa C32:2	9	7255930	A/G	0.175	0.175	0.009	0.019	0.655	22.987
rs2885697	PC aa C32:2	1	41544279	G/T	0.666	0.334	0.008	0.015	0.594	19.804
rs4817455	PC aa C32:2	21	33449227	C/T	0.120	0.120	-0.001	0.022	0.950	20.437
rs11916226	PC aa C32:2	3	193614363	G/A	0.309	0.309	-0.004	0.016	0.809	20.050
rs11980421	PC aa C32:2	7	147916800	A/G	0.643	0.357	-0.007	0.016	0.644	22.030
rs4141422	PC aa C32:2	1	88751417	C/T	0.073	0.073	-0.007	0.028	0.793	21.225
rs60420669	PC aa C32:2	10	69788149	A/G	0.138	0.138	-0.008	0.021	0.712	19.639
rs12958036	PC aa C32:2	18	67363788	G/A	0.390	0.390	-0.018	0.015	0.225	25.323
rs2726519	PC aa C32:2	4	106193334	T/C	0.544	0.456	-0.018	0.015	0.210	25.046
rs12892826	PC aa C32:2	14	47470426	G/A	0.070	0.070	-0.019	0.029	0.512	21.734

rs12620606	PC aa C32:2	2	242154015	A/G	0.556	0.444	-0.022	0.015	0.153	20.731
rs56131013	PC aa C32:2	6	28320677	G/A	0.238	0.238	-0.022	0.017	0.208	28.832
rs10432203	PC aa C32:2	18	48180842	A/C	0.326	0.326	-0.024	0.016	0.130	20.117
rs61947293	PC aa C32:2	13	35192863	C/T	0.037	0.037	-0.024	0.040	0.536	21.323
rs4681332	PC aa C32:2	3	144194907	T/C	0.435	0.435	-0.026	0.015	0.077	24.846
rs74425759	PC aa C32:2	4	138126991	G/A	0.080	0.080	-0.049	0.026	0.066	19.795
rs144421185	PC aa C32:3	6	133878464	G/A	0.023	0.023	0.113	0.052	0.030	20.762
rs112483285	PC aa C32:3	15	41398607	A/C	0.011	0.011	0.092	0.080	0.251	19.961
rs62530050	PC aa C32:3	8	125418561	T/C	0.078	0.078	0.042	0.028	0.126	20.790
rs12892826	PC aa C32:3	14	47470426	G/A	0.070	0.070	0.035	0.029	0.227	21.734
rs4592963	PC aa C32:3	22	49465629	C/T	0.675	0.325	0.023	0.016	0.145	21.885
rs6884470	PC aa C32:3	5	127956581	G/A	0.134	0.134	0.017	0.021	0.429	23.475
rs4742321	PC aa C32:3	9	7255930	A/G	0.175	0.175	0.012	0.019	0.528	22.987
rs6778602	PC aa C32:3	3	84147330	C/A	0.655	0.345	0.011	0.015	0.484	25.052
rs2722566	PC aa C32:3	2	5875714	A/G	0.462	0.462	0.010	0.015	0.492	19.744
rs144455261	PC aa C32:3	5	114149249	T/C	0.031	0.031	0.009	0.042	0.826	19.798
rs72743359	PC aa C32:3	9	104212789	G/T	0.053	0.053	0.006	0.034	0.856	20.192
rs11916226	PC aa C32:3	3	193614363	G/A	0.309	0.309	0.000	0.016	0.986	20.050
rs60420669	PC aa C32:3	10	69788149	A/G	0.138	0.138	-0.001	0.021	0.962	19.639
rs2885697	PC aa C32:3	1	41544279	G/T	0.666	0.334	-0.001	0.015	0.929	19.804
rs4141422	PC aa C32:3	1	88751417	C/T	0.073	0.073	-0.007	0.028	0.812	21.225
rs2726519	PC aa C32:3	4	106193334	T/C	0.544	0.456	-0.011	0.014	0.460	25.046
rs12620606	PC aa C32:3	2	242154015	A/G	0.556	0.444	-0.011	0.015	0.458	20.731
rs4817455	PC aa C32:3	21	33449227	C/T	0.120	0.120	-0.012	0.022	0.589	20.437
rs74425759	PC aa C32:3	4	138126991	G/A	0.080	0.080	-0.014	0.026	0.603	19.795
rs11980421	PC aa C32:3	7	147916800	A/G	0.643	0.357	-0.015	0.015	0.336	22.030
rs10432203	PC aa C32:3	18	48180842	A/C	0.326	0.326	-0.019	0.016	0.225	20.117
rs4681332	PC aa C32:3	3	144194907	T/C	0.435	0.435	-0.021	0.015	0.143	24.846
rs56131013	PC aa C32:3	6	28320677	G/A	0.238	0.238	-0.021	0.017	0.210	28.832
rs12958036	PC aa C32:3	18	67363788	G/A	0.390	0.390	-0.029	0.015	0.050	25.323
rs61947293	PC aa C32:3	13	35192863	C/T	0.037	0.037	-0.041	0.039	0.297	21.323
rs74378438	PC aa C32:3	2	190205576	G/A	0.046	0.046	-0.043	0.035	0.217	26.531
rs144421185	PC aa C36:0	6	133878464	G/A	0.023	0.023	0.156	0.053	0.003	20.762

rs112483285	PC aa C36:0	15	41398607	A/C	0.011	0.011	0.104	0.081	0.199	19.961
rs62530050	PC aa C36:0	8	125418561	T/C	0.078	0.078	0.036	0.028	0.192	20.790
rs6884470	PC aa C36:0	5	127956581	G/A	0.134	0.134	0.022	0.021	0.307	23.475
rs12958036	PC aa C36:0	18	67363788	G/A	0.390	0.390	0.017	0.015	0.260	25.323
rs144455261	PC aa C36:0	5	114149249	T/C	0.031	0.031	0.015	0.043	0.720	19.798
rs2885697	PC aa C36:0	1	41544279	G/T	0.666	0.334	0.014	0.015	0.367	19.804
rs10432203	PC aa C36:0	18	48180842	A/C	0.326	0.326	0.013	0.016	0.413	20.117
rs72743359	PC aa C36:0	9	104212789	G/T	0.053	0.053	0.010	0.034	0.778	20.192
rs4742321	PC aa C36:0	9	7255930	A/G	0.175	0.175	0.008	0.019	0.675	22.987
rs6778602	PC aa C36:0	3	84147330	C/A	0.655	0.345	0.004	0.015	0.775	25.052
rs4141422	PC aa C36:0	1	88751417	C/T	0.073	0.073	0.002	0.028	0.931	21.225
rs4592963	PC aa C36:0	22	49465629	C/T	0.675	0.325	0.001	0.016	0.937	21.885
rs60420669	PC aa C36:0	10	69788149	A/G	0.138	0.138	-0.001	0.021	0.962	19.639
rs11980421	PC aa C36:0	7	147916800	A/G	0.643	0.357	-0.001	0.016	0.942	22.030
rs74425759	PC aa C36:0	4	138126991	G/A	0.080	0.080	-0.004	0.026	0.874	19.795
rs2722566	PC aa C36:0	2	5875714	A/G	0.462	0.462	-0.005	0.015	0.759	19.744
rs12892826	PC aa C36:0	14	47470426	G/A	0.070	0.070	-0.006	0.029	0.825	21.734
rs12620606	PC aa C36:0	2	242154015	A/G	0.556	0.444	-0.008	0.015	0.601	20.731
rs11916226	PC aa C36:0	3	193614363	G/A	0.309	0.309	-0.008	0.016	0.610	20.050
rs2726519	PC aa C36:0	4	106193334	T/C	0.544	0.456	-0.014	0.015	0.323	25.046
rs56131013	PC aa C36:0	6	28320677	G/A	0.238	0.238	-0.022	0.017	0.190	28.832
rs4817455	PC aa C36:0	21	33449227	C/T	0.120	0.120	-0.025	0.022	0.257	20.437
rs4681332	PC aa C36:0	3	144194907	T/C	0.435	0.435	-0.026	0.015	0.072	24.846
rs61947293	PC aa C36:0	13	35192863	C/T	0.037	0.037	-0.043	0.039	0.279	21.323
rs74378438	PC aa C36:0	2	190205576	G/A	0.046	0.046	-0.057	0.035	0.101	26.531
rs112483285	PC aa C36:4	15	41398607	A/C	0.011	0.011	0.116	0.081	0.154	19.961
rs144421185	PC aa C36:4	6	133878464	G/A	0.023	0.023	0.107	0.053	0.043	20.762
rs62530050	PC aa C36:4	8	125418561	T/C	0.078	0.078	0.033	0.028	0.235	20.790
rs74425759	PC aa C36:4	4	138126991	G/A	0.080	0.080	0.020	0.027	0.463	19.795
rs6884470	PC aa C36:4	5	127956581	G/A	0.134	0.134	0.017	0.021	0.415	23.475
rs74378438	PC aa C36:4	2	190205576	G/A	0.046	0.046	0.016	0.035	0.655	26.531
rs6778602	PC aa C36:4	3	84147330	C/A	0.655	0.345	0.014	0.015	0.377	25.052
rs12892826	PC aa C36:4	14	47470426	G/A	0.070	0.070	0.010	0.029	0.745	21.734

rs4141422	PC aa C36:4	1	88751417	C/T	0.073	0.073	0.006	0.028	0.833	21.225
rs2722566	PC aa C36:4	2	5875714	A/G	0.462	0.462	0.006	0.015	0.685	19.744
rs72743359	PC aa C36:4	9	104212789	G/T	0.053	0.053	0.006	0.034	0.872	20.192
rs2726519	PC aa C36:4	4	106193334	T/C	0.544	0.456	0.005	0.015	0.726	25.046
rs11980421	PC aa C36:4	7	147916800	A/G	0.643	0.357	0.004	0.016	0.799	22.030
rs4592963	PC aa C36:4	22	49465629	C/T	0.675	0.325	0.003	0.016	0.863	21.885
rs2885697	PC aa C36:4	1	41544279	G/T	0.666	0.334	0.001	0.015	0.951	19.804
rs11916226	PC aa C36:4	3	193614363	G/A	0.309	0.309	-0.001	0.016	0.958	20.050
rs4742321	PC aa C36:4	9	7255930	A/G	0.175	0.175	-0.004	0.019	0.826	22.987
rs12958036	PC aa C36:4	18	67363788	G/A	0.390	0.390	-0.009	0.015	0.570	25.323
rs60420669	PC aa C36:4	10	69788149	A/G	0.138	0.138	-0.012	0.021	0.564	19.639
rs10432203	PC aa C36:4	18	48180842	A/C	0.326	0.326	-0.013	0.016	0.429	20.117
rs12620606	PC aa C36:4	2	242154015	A/G	0.556	0.444	-0.013	0.015	0.399	20.731
rs144455261	PC aa C36:4	5	114149249	T/C	0.031	0.031	-0.016	0.043	0.713	19.798
rs4681332	PC aa C36:4	3	144194907	T/C	0.435	0.435	-0.028	0.015	0.059	24.846
rs4817455	PC aa C36:4	21	33449227	C/T	0.120	0.120	-0.033	0.023	0.136	20.437
rs56131013	PC aa C36:4	6	28320677	G/A	0.238	0.238	-0.043	0.017	0.014	28.832
rs61947293	PC aa C36:4	13	35192863	C/T	0.037	0.037	-0.043	0.040	0.277	21.323
rs144421185	PC aa C38:3	6	133878464	G/A	0.023	0.023	0.168	0.053	0.001	20.762
rs112483285	PC aa C38:3	15	41398607	A/C	0.011	0.011	0.087	0.081	0.284	19.961
rs62530050	PC aa C38:3	8	125418561	T/C	0.078	0.078	0.050	0.028	0.074	20.790
rs12892826	PC aa C38:3	14	47470426	G/A	0.070	0.070	0.049	0.029	0.091	21.734
rs72743359	PC aa C38:3	9	104212789	G/T	0.053	0.053	0.028	0.034	0.408	20.192
rs61947293	PC aa C38:3	13	35192863	C/T	0.037	0.037	0.025	0.040	0.535	21.323
rs6778602	PC aa C38:3	3	84147330	C/A	0.655	0.345	0.019	0.015	0.212	25.052
rs74425759	PC aa C38:3	4	138126991	G/A	0.080	0.080	0.018	0.026	0.499	19.795
rs11980421	PC aa C38:3	7	147916800	A/G	0.643	0.357	0.015	0.016	0.350	22.030
rs74378438	PC aa C38:3	2	190205576	G/A	0.046	0.046	0.013	0.035	0.714	26.531
rs4742321	PC aa C38:3	9	7255930	A/G	0.175	0.175	0.011	0.019	0.585	22.987
rs2722566	PC aa C38:3	2	5875714	A/G	0.462	0.462	0.010	0.015	0.484	19.744
rs2726519	PC aa C38:3	4	106193334	T/C	0.544	0.456	0.006	0.015	0.687	25.046
rs6884470	PC aa C38:3	5	127956581	G/A	0.134	0.134	0.003	0.021	0.903	23.475
rs4592963	PC aa C38:3	22	49465629	C/T	0.675	0.325	0.000	0.016	0.982	21.885

rs60420669	PC aa C38:3	10	69788149	A/G	0.138	0.138	-0.004	0.021	0.868	19.639
rs4817455	PC aa C38:3	21	33449227	C/T	0.120	0.120	-0.006	0.022	0.776	20.437
rs2885697	PC aa C38:3	1	41544279	G/T	0.666	0.334	-0.011	0.015	0.493	19.804
rs11916226	PC aa C38:3	3	193614363	G/A	0.309	0.309	-0.014	0.016	0.386	20.050
rs12958036	PC aa C38:3	18	67363788	G/A	0.390	0.390	-0.015	0.015	0.318	25.323
rs12620606	PC aa C38:3	2	242154015	A/G	0.556	0.444	-0.015	0.015	0.307	20.731
rs144455261	PC aa C38:3	5	114149249	T/C	0.031	0.031	-0.028	0.043	0.508	19.798
rs4681332	PC aa C38:3	3	144194907	T/C	0.435	0.435	-0.028	0.015	0.053	24.846
rs56131013	PC aa C38:3	6	28320677	G/A	0.238	0.238	-0.029	0.017	0.089	28.832
rs4141422	PC aa C38:3	1	88751417	C/T	0.073	0.073	-0.031	0.028	0.273	21.225
rs10432203	PC aa C38:3	18	48180842	A/C	0.326	0.326	-0.048	0.016	0.002	20.117
rs112483285	PC aa C38:4	15	41398607	A/C	0.011	0.011	0.173	0.081	0.033	19.961
rs144421185	PC aa C38:4	6	133878464	G/A	0.023	0.023	0.105	0.053	0.046	20.762
rs74425759	PC aa C38:4	4	138126991	G/A	0.080	0.080	0.022	0.026	0.416	19.795
rs62530050	PC aa C38:4	8	125418561	T/C	0.078	0.078	0.017	0.028	0.539	20.790
rs6884470	PC aa C38:4	5	127956581	G/A	0.134	0.134	0.014	0.021	0.507	23.475
rs11980421	PC aa C38:4	7	147916800	A/G	0.643	0.357	0.014	0.016	0.372	22.030
rs72743359	PC aa C38:4	9	104212789	G/T	0.053	0.053	0.012	0.034	0.724	20.192
rs2722566	PC aa C38:4	2	5875714	A/G	0.462	0.462	0.011	0.015	0.473	19.744
rs2726519	PC aa C38:4	4	106193334	T/C	0.544	0.456	0.009	0.015	0.541	25.046
rs6778602	PC aa C38:4	3	84147330	C/A	0.655	0.345	0.007	0.015	0.654	25.052
rs144455261	PC aa C38:4	5	114149249	T/C	0.031	0.031	0.006	0.043	0.889	19.798
rs12892826	PC aa C38:4	14	47470426	G/A	0.070	0.070	0.006	0.029	0.844	21.734
rs4742321	PC aa C38:4	9	7255930	A/G	0.175	0.175	0.004	0.019	0.851	22.987
rs74378438	PC aa C38:4	2	190205576	G/A	0.046	0.046	0.003	0.035	0.928	26.531
rs4592963	PC aa C38:4	22	49465629	C/T	0.675	0.325	-0.001	0.016	0.942	21.885
rs2885697	PC aa C38:4	1	41544279	G/T	0.666	0.334	-0.004	0.015	0.811	19.804
rs12958036	PC aa C38:4	18	67363788	G/A	0.390	0.390	-0.004	0.015	0.772	25.323
rs61947293	PC aa C38:4	13	35192863	C/T	0.037	0.037	-0.010	0.040	0.795	21.323
rs4141422	PC aa C38:4	1	88751417	C/T	0.073	0.073	-0.011	0.028	0.703	21.225
rs12620606	PC aa C38:4	2	242154015	A/G	0.556	0.444	-0.012	0.015	0.425	20.731
rs11916226	PC aa C38:4	3	193614363	G/A	0.309	0.309	-0.015	0.016	0.351	20.050
rs10432203	PC aa C38:4	18	48180842	A/C	0.326	0.326	-0.015	0.016	0.335	20.117

rs60420669	PC aa C38:4	10	69788149	A/G	0.138	0.138	-0.016	0.021	0.465	19.639
rs4817455	PC aa C38:4	21	33449227	C/T	0.120	0.120	-0.021	0.022	0.347	20.437
rs4681332	PC aa C38:4	3	144194907	T/C	0.435	0.435	-0.033	0.015	0.024	24.846
rs56131013	PC aa C38:4	6	28320677	G/A	0.238	0.238	-0.044	0.017	0.011	28.832
rs112483285	PC aa C38:6	15	41398607	A/C	0.011	0.011	0.135	0.080	0.093	19.961
rs144421185	PC aa C38:6	6	133878464	G/A	0.023	0.023	0.119	0.052	0.022	20.762
rs62530050	PC aa C38:6	8	125418561	T/C	0.078	0.078	0.068	0.028	0.014	20.790
rs10432203	PC aa C38:6	18	48180842	A/C	0.326	0.326	0.026	0.016	0.097	20.117
rs74425759	PC aa C38:6	4	138126991	G/A	0.080	0.080	0.020	0.026	0.452	19.795
rs12958036	PC aa C38:6	18	67363788	G/A	0.390	0.390	0.013	0.015	0.385	25.323
rs2885697	PC aa C38:6	1	41544279	G/T	0.666	0.334	0.012	0.015	0.431	19.804
rs6778602	PC aa C38:6	3	84147330	C/A	0.655	0.345	0.008	0.015	0.617	25.052
rs4592963	PC aa C38:6	22	49465629	C/T	0.675	0.325	0.007	0.015	0.637	21.885
rs11980421	PC aa C38:6	7	147916800	A/G	0.643	0.357	0.007	0.015	0.643	22.030
rs144455261	PC aa C38:6	5	114149249	T/C	0.031	0.031	0.006	0.042	0.882	19.798
rs61947293	PC aa C38:6	13	35192863	C/T	0.037	0.037	0.006	0.039	0.884	21.323
rs6884470	PC aa C38:6	5	127956581	G/A	0.134	0.134	-0.002	0.021	0.933	23.475
rs2722566	PC aa C38:6	2	5875714	A/G	0.462	0.462	-0.002	0.014	0.894	19.744
rs4681332	PC aa C38:6	3	144194907	T/C	0.435	0.435	-0.006	0.015	0.685	24.846
rs72743359	PC aa C38:6	9	104212789	G/T	0.053	0.053	-0.008	0.034	0.824	20.192
rs12892826	PC aa C38:6	14	47470426	G/A	0.070	0.070	-0.008	0.029	0.773	21.734
rs11916226	PC aa C38:6	3	193614363	G/A	0.309	0.309	-0.010	0.016	0.513	20.050
rs2726519	PC aa C38:6	4	106193334	T/C	0.544	0.456	-0.014	0.014	0.347	25.046
rs74378438	PC aa C38:6	2	190205576	G/A	0.046	0.046	-0.014	0.035	0.696	26.531
rs60420669	PC aa C38:6	10	69788149	A/G	0.138	0.138	-0.019	0.021	0.354	19.639
rs4742321	PC aa C38:6	9	7255930	A/G	0.175	0.175	-0.021	0.019	0.276	22.987
rs4817455	PC aa C38:6	21	33449227	C/T	0.120	0.120	-0.027	0.022	0.225	20.437
rs4141422	PC aa C38:6	1	88751417	C/T	0.073	0.073	-0.031	0.028	0.274	21.225
rs12620606	PC aa C38:6	2	242154015	A/G	0.556	0.444	-0.031	0.015	0.035	20.731
rs56131013	PC aa C38:6	6	28320677	G/A	0.238	0.238	-0.033	0.017	0.051	28.832
rs144421185	PC aa C40:4	6	133878464	G/A	0.023	0.023	0.061	0.053	0.249	20.762
rs61947293	PC aa C40:4	13	35192863	C/T	0.037	0.037	0.033	0.040	0.403	21.323
rs112483285	PC aa C40:4	15	41398607	A/C	0.011	0.011	0.031	0.081	0.705	19.961

rs4592963	PC aa C40:4	22	49465629	C/T	0.676	0.325	0.019	0.016	0.226	21.885
rs60420669	PC aa C40:4	10	69788149	A/G	0.138	0.138	0.016	0.021	0.446	19.639
rs62530050	PC aa C40:4	8	125418561	T/C	0.078	0.078	0.016	0.028	0.573	20.790
rs12892826	PC aa C40:4	14	47470426	G/A	0.070	0.070	0.010	0.029	0.737	21.734
rs4742321	PC aa C40:4	9	7255930	A/G	0.175	0.175	0.008	0.019	0.699	22.987
rs12958036	PC aa C40:4	18	67363788	G/A	0.390	0.390	0.005	0.015	0.725	25.323
rs6778602	PC aa C40:4	3	84147330	C/A	0.656	0.345	0.003	0.015	0.828	25.052
rs6884470	PC aa C40:4	5	127956581	G/A	0.134	0.134	0.000	0.021	0.990	23.475
rs11916226	PC aa C40:4	3	193614363	G/A	0.309	0.309	-0.001	0.016	0.959	20.050
rs56131013	PC aa C40:4	6	28320677	G/A	0.238	0.238	-0.002	0.017	0.932	28.832
rs2726519	PC aa C40:4	4	106193334	T/C	0.544	0.456	-0.002	0.015	0.894	25.046
rs72743359	PC aa C40:4	9	104212789	G/T	0.053	0.053	-0.003	0.034	0.933	20.192
rs74378438	PC aa C40:4	2	190205576	G/A	0.046	0.046	-0.003	0.035	0.935	26.531
rs74425759	PC aa C40:4	4	138126991	G/A	0.080	0.080	-0.005	0.027	0.858	19.795
rs10432203	PC aa C40:4	18	48180842	A/C	0.326	0.326	-0.005	0.016	0.757	20.117
rs2885697	PC aa C40:4	1	41544279	G/T	0.666	0.334	-0.006	0.015	0.679	19.804
rs2722566	PC aa C40:4	2	5875714	A/G	0.462	0.462	-0.011	0.015	0.437	19.744
rs4141422	PC aa C40:4	1	88751417	C/T	0.073	0.073	-0.012	0.028	0.666	21.225
rs11980421	PC aa C40:4	7	147916800	A/G	0.643	0.357	-0.014	0.016	0.363	22.030
rs12620606	PC aa C40:4	2	242154015	A/G	0.556	0.444	-0.019	0.015	0.217	20.731
rs144455261	PC aa C40:4	5	114149249	T/C	0.031	0.031	-0.034	0.043	0.435	19.798
rs4681332	PC aa C40:4	3	144194907	T/C	0.435	0.435	-0.038	0.015	0.010	24.846
rs4817455	PC aa C40:4	21	33449227	C/T	0.120	0.120	-0.039	0.022	0.084	20.437
rs112483285	PC aa C42:2	15	41398607	A/C	0.011	0.011	0.062	0.083	0.452	19.961
rs144421185	PC aa C42:2	6	133878464	G/A	0.023	0.023	0.056	0.054	0.300	20.762
rs74378438	PC aa C42:2	2	190205576	G/A	0.046	0.046	0.028	0.036	0.435	26.531
rs6778602	PC aa C42:2	3	84147330	C/A	0.656	0.344	0.018	0.016	0.239	25.052
rs74425759	PC aa C42:2	4	138126991	G/A	0.080	0.080	0.010	0.027	0.714	19.795
rs4742321	PC aa C42:2	9	7255930	A/G	0.175	0.175	0.007	0.020	0.731	22.987
rs12892826	PC aa C42:2	14	47470426	G/A	0.070	0.070	0.006	0.030	0.835	21.734
rs6884470	PC aa C42:2	5	127956581	G/A	0.134	0.134	0.005	0.022	0.832	23.475
rs4817455	PC aa C42:2	21	33449227	C/T	0.120	0.120	0.005	0.023	0.843	20.437
rs11980421	PC aa C42:2	7	147916800	A/G	0.643	0.357	0.004	0.016	0.797	22.030

rs62530050	PC aa C42:2	8	125418561	T/C	0.078	0.078	0.004	0.028	0.888	20.790
rs10432203	PC aa C42:2	18	48180842	A/C	0.326	0.326	0.004	0.016	0.824	20.117
rs56131013	PC aa C42:2	6	28320677	G/A	0.237	0.237	0.000	0.017	0.982	28.832
rs11916226	PC aa C42:2	3	193614363	G/A	0.309	0.309	-0.001	0.016	0.977	20.050
rs4592963	PC aa C42:2	22	49465629	C/T	0.676	0.324	-0.004	0.016	0.827	21.885
rs2885697	PC aa C42:2	1	41544279	G/T	0.666	0.334	-0.005	0.016	0.739	19.804
rs2726519	PC aa C42:2	4	106193334	T/C	0.544	0.456	-0.005	0.015	0.714	25.046
rs60420669	PC aa C42:2	10	69788149	A/G	0.138	0.138	-0.012	0.022	0.568	19.639
rs12958036	PC aa C42:2	18	67363788	G/A	0.390	0.390	-0.017	0.015	0.261	25.323
rs12620606	PC aa C42:2	2	242154015	A/G	0.556	0.444	-0.020	0.015	0.194	20.731
rs72743359	PC aa C42:2	9	104212789	G/T	0.053	0.053	-0.020	0.035	0.566	20.192
rs2722566	PC aa C42:2	2	5875714	A/G	0.462	0.462	-0.022	0.015	0.140	19.744
rs4681332	PC aa C42:2	3	144194907	T/C	0.435	0.435	-0.028	0.015	0.057	24.846
rs61947293	PC aa C42:2	13	35192863	C/T	0.037	0.037	-0.036	0.040	0.369	21.323
rs4141422	PC aa C42:2	1	88751417	C/T	0.073	0.073	-0.043	0.029	0.137	21.225
rs144455261	PC aa C42:2	5	114149249	T/C	0.031	0.031	-0.084	0.043	0.052	19.798
rs62530050	PC aa C42:6	8	125418561	T/C	0.077	0.077	0.069	0.029	0.016	20.790
rs72743359	PC aa C42:6	9	104212789	G/T	0.053	0.053	0.048	0.035	0.166	20.192
rs4141422	PC aa C42:6	1	88751417	C/T	0.073	0.073	0.015	0.029	0.612	21.225
rs2885697	PC aa C42:6	1	41544279	G/T	0.666	0.334	0.013	0.016	0.402	19.804
rs2722566	PC aa C42:6	2	5875714	A/G	0.462	0.462	0.013	0.015	0.397	19.744
rs12892826	PC aa C42:6	14	47470426	G/A	0.070	0.070	0.011	0.030	0.715	21.734
rs12620606	PC aa C42:6	2	242154015	A/G	0.556	0.444	0.004	0.016	0.821	20.731
rs11980421	PC aa C42:6	7	147916800	A/G	0.643	0.357	0.000	0.016	0.994	22.030
rs4681332	PC aa C42:6	3	144194907	T/C	0.435	0.435	-0.002	0.015	0.887	24.846
rs4742321	PC aa C42:6	9	7255930	A/G	0.175	0.175	-0.002	0.020	0.902	22.987
rs4592963	PC aa C42:6	22	49465629	C/T	0.675	0.325	-0.004	0.016	0.809	21.885
rs2726519	PC aa C42:6	4	106193334	T/C	0.545	0.455	-0.004	0.015	0.776	25.046
rs74378438	PC aa C42:6	2	190205576	G/A	0.046	0.046	-0.005	0.036	0.897	26.531
rs6778602	PC aa C42:6	3	84147330	C/A	0.656	0.344	-0.006	0.016	0.718	25.052
rs12958036	PC aa C42:6	18	67363788	G/A	0.390	0.390	-0.006	0.015	0.702	25.323
rs56131013	PC aa C42:6	6	28320677	G/A	0.237	0.237	-0.010	0.018	0.578	28.832
rs4817455	PC aa C42:6	21	33449227	C/T	0.120	0.120	-0.011	0.023	0.636	20.437

rs6884470	PC aa C42:6	5	127956581	G/A	0.135	0.135	-0.011	0.022	0.607	23.475
rs10432203	PC aa C42:6	18	48180842	A/C	0.326	0.326	-0.015	0.016	0.367	20.117
rs200525575	PC aa C42:6	4	65534103	G/A	0.414	0.414	-0.016	0.017	0.353	19.643
rs11916226	PC aa C42:6	3	193614363	G/A	0.309	0.309	-0.017	0.016	0.282	20.050
rs144421185	PC aa C42:6	6	133878464	G/A	0.023	0.023	-0.017	0.054	0.749	20.762
rs61947293	PC aa C42:6	13	35192863	C/T	0.037	0.037	-0.023	0.041	0.573	21.323
rs60420669	PC aa C42:6	10	69788149	A/G	0.138	0.138	-0.025	0.022	0.253	19.639
rs74425759	PC aa C42:6	4	138126991	G/A	0.080	0.080	-0.044	0.027	0.108	19.795
rs144455261	PC aa C42:6	5	114149249	T/C	0.032	0.032	-0.082	0.044	0.059	19.798
rs540153603	PC aa C42:6	10	125549694	A/G	0.051	0.051	-0.103	0.047	0.030	20.048
rs112483285	PC aa C42:6	15	41398607	A/C	0.011	0.011	-0.137	0.083	0.098	19.961
rs144421185	PC ae C34:2	6	133878464	G/A	0.023	0.023	0.142	0.052	0.007	20.762
rs112483285	PC ae C34:2	15	41398607	A/C	0.011	0.011	0.123	0.081	0.126	19.961
rs144455261	PC ae C34:2	5	114149249	T/C	0.031	0.031	0.019	0.042	0.649	19.798
rs12892826	PC ae C34:2	14	47470426	G/A	0.070	0.070	0.019	0.029	0.518	21.734
rs60420669	PC ae C34:2	10	69788149	A/G	0.138	0.138	0.016	0.021	0.435	19.639
rs62530050	PC ae C34:2	8	125418561	T/C	0.078	0.078	0.016	0.028	0.570	20.790
rs12620606	PC ae C34:2	2	242154015	A/G	0.556	0.444	0.016	0.015	0.301	20.731
rs72743359	PC ae C34:2	9	104212789	G/T	0.053	0.053	0.014	0.034	0.679	20.192
rs6884470	PC ae C34:2	5	127956581	G/A	0.134	0.134	0.012	0.021	0.579	23.475
rs4742321	PC ae C34:2	9	7255930	A/G	0.175	0.175	0.009	0.019	0.642	22.987
rs4592963	PC ae C34:2	22	49465629	C/T	0.675	0.325	0.008	0.016	0.587	21.885
rs6778602	PC ae C34:2	3	84147330	C/A	0.655	0.345	0.002	0.015	0.873	25.052
rs2722566	PC ae C34:2	2	5875714	A/G	0.462	0.462	0.001	0.015	0.948	19.744
rs12958036	PC ae C34:2	18	67363788	G/A	0.390	0.390	0.000	0.015	0.991	25.323
rs11980421	PC ae C34:2	7	147916800	A/G	0.643	0.357	-0.001	0.016	0.962	22.030
rs74425759	PC ae C34:2	4	138126991	G/A	0.080	0.080	-0.003	0.026	0.924	19.795
rs2885697	PC ae C34:2	1	41544279	G/T	0.666	0.334	-0.005	0.015	0.724	19.804
rs11916226	PC ae C34:2	3	193614363	G/A	0.309	0.309	-0.007	0.016	0.648	20.050
rs10432203	PC ae C34:2	18	48180842	A/C	0.326	0.326	-0.014	0.016	0.364	20.117
rs2726519	PC ae C34:2	4	106193334	T/C	0.544	0.456	-0.015	0.014	0.308	25.046
rs4681332	PC ae C34:2	3	144194907	T/C	0.435	0.435	-0.016	0.015	0.279	24.846
rs56131013	PC ae C34:2	6	28320677	G/A	0.238	0.238	-0.024	0.017	0.164	28.832

rs4817455	PC ae C34:2	21	33449227	C/T	0.120	0.120	-0.029	0.022	0.196	20.437
rs74378438	PC ae C34:2	2	190205576	G/A	0.046	0.046	-0.038	0.035	0.271	26.531
rs61947293	PC ae C34:2	13	35192863	C/T	0.037	0.037	-0.047	0.039	0.229	21.323
rs4141422	PC ae C34:2	1	88751417	C/T	0.073	0.073	-0.054	0.028	0.053	21.225
rs144421185	PC ae C36:2	6	133878464	G/A	0.023	0.023	0.126	0.052	0.016	20.762
rs112483285	PC ae C36:2	15	41398607	A/C	0.011	0.011	0.063	0.080	0.433	19.961
rs62530050	PC ae C36:2	8	125418561	T/C	0.078	0.078	0.050	0.028	0.071	20.790
rs144455261	PC ae C36:2	5	114149249	T/C	0.031	0.031	0.032	0.042	0.448	19.798
rs74425759	PC ae C36:2	4	138126991	G/A	0.080	0.080	0.032	0.026	0.228	19.795
rs12892826	PC ae C36:2	14	47470426	G/A	0.070	0.070	0.029	0.029	0.322	21.734
rs4592963	PC ae C36:2	22	49465629	C/T	0.675	0.325	0.018	0.016	0.238	21.885
rs12620606	PC ae C36:2	2	242154015	A/G	0.556	0.444	0.014	0.015	0.351	20.731
rs6778602	PC ae C36:2	3	84147330	C/A	0.655	0.345	0.009	0.015	0.546	25.052
rs11980421	PC ae C36:2	7	147916800	A/G	0.643	0.357	0.005	0.015	0.728	22.030
rs60420669	PC ae C36:2	10	69788149	A/G	0.138	0.138	0.005	0.021	0.813	19.639
rs2885697	PC ae C36:2	1	41544279	G/T	0.666	0.334	0.004	0.015	0.814	19.804
rs2722566	PC ae C36:2	2	5875714	A/G	0.462	0.462	0.003	0.015	0.818	19.744
rs4681332	PC ae C36:2	3	144194907	T/C	0.435	0.435	-0.005	0.015	0.752	24.846
rs6884470	PC ae C36:2	5	127956581	G/A	0.134	0.134	-0.006	0.021	0.790	23.475
rs10432203	PC ae C36:2	18	48180842	A/C	0.326	0.326	-0.007	0.016	0.656	20.117
rs4742321	PC ae C36:2	9	7255930	A/G	0.175	0.175	-0.008	0.019	0.692	22.987
rs12958036	PC ae C36:2	18	67363788	G/A	0.390	0.390	-0.011	0.015	0.456	25.323
rs72743359	PC ae C36:2	9	104212789	G/T	0.053	0.053	-0.012	0.034	0.720	20.192
rs74378438	PC ae C36:2	2	190205576	G/A	0.046	0.046	-0.020	0.035	0.569	26.531
rs11916226	PC ae C36:2	3	193614363	G/A	0.309	0.309	-0.023	0.016	0.134	20.050
rs56131013	PC ae C36:2	6	28320677	G/A	0.238	0.238	-0.028	0.017	0.103	28.832
rs2726519	PC ae C36:2	4	106193334	T/C	0.544	0.456	-0.031	0.014	0.030	25.046
rs4817455	PC ae C36:2	21	33449227	C/T	0.120	0.120	-0.032	0.022	0.154	20.437
rs4141422	PC ae C36:2	1	88751417	C/T	0.073	0.073	-0.039	0.028	0.161	21.225
rs61947293	PC ae C36:2	13	35192863	C/T	0.037	0.037	-0.043	0.039	0.270	21.323
rs144421185	PC ae C40:5	6	133878464	G/A	0.023	0.023	0.099	0.053	0.060	20.762
rs112483285	PC ae C40:5	15	41398607	A/C	0.011	0.011	0.099	0.081	0.222	19.961
rs62530050	PC ae C40:5	8	125418561	T/C	0.078	0.078	0.053	0.028	0.060	20.790

rs72743359	PC ae C40:5	9	104212789	G/T	0.053	0.053	0.020	0.034	0.549	20.192
rs12892826	PC ae C40:5	14	47470426	G/A	0.070	0.070	0.016	0.029	0.573	21.734
rs2722566	PC ae C40:5	2	5875714	A/G	0.462	0.462	0.011	0.015	0.434	19.744
rs2726519	PC ae C40:5	4	106193334	T/C	0.544	0.456	0.010	0.015	0.481	25.046
rs6778602	PC ae C40:5	3	84147330	C/A	0.655	0.345	0.009	0.015	0.566	25.052
rs74425759	PC ae C40:5	4	138126991	G/A	0.080	0.080	0.009	0.027	0.748	19.795
rs11916226	PC ae C40:5	3	193614363	G/A	0.309	0.309	0.006	0.016	0.685	20.050
rs4141422	PC ae C40:5	1	88751417	C/T	0.073	0.073	0.006	0.028	0.832	21.225
rs6884470	PC ae C40:5	5	127956581	G/A	0.134	0.134	0.002	0.021	0.908	23.475
rs11980421	PC ae C40:5	7	147916800	A/G	0.643	0.357	0.001	0.016	0.961	22.030
rs4742321	PC ae C40:5	9	7255930	A/G	0.175	0.175	-0.001	0.019	0.947	22.987
rs4592963	PC ae C40:5	22	49465629	C/T	0.675	0.325	-0.002	0.016	0.912	21.885
rs12620606	PC ae C40:5	2	242154015	A/G	0.556	0.444	-0.002	0.015	0.899	20.731
rs74378438	PC ae C40:5	2	190205576	G/A	0.046	0.046	-0.003	0.035	0.931	26.531
rs12958036	PC ae C40:5	18	67363788	G/A	0.390	0.390	-0.006	0.015	0.702	25.323
rs2885697	PC ae C40:5	1	41544279	G/T	0.666	0.334	-0.007	0.015	0.632	19.804
rs10432203	PC ae C40:5	18	48180842	A/C	0.326	0.326	-0.013	0.016	0.404	20.117
rs144455261	PC ae C40:5	5	114149249	T/C	0.031	0.031	-0.014	0.043	0.752	19.798
rs4681332	PC ae C40:5	3	144194907	T/C	0.435	0.435	-0.014	0.015	0.346	24.846
rs60420669	PC ae C40:5	10	69788149	A/G	0.138	0.138	-0.018	0.021	0.390	19.639
rs61947293	PC ae C40:5	13	35192863	C/T	0.037	0.037	-0.031	0.040	0.431	21.323
rs4817455	PC ae C40:5	21	33449227	C/T	0.120	0.120	-0.033	0.022	0.138	20.437
rs56131013	PC ae C40:5	6	28320677	G/A	0.238	0.238	-0.046	0.017	0.007	28.832
rs144421185	PC ae C40:6	6	133878464	G/A	0.023	0.023	0.100	0.052	0.055	20.762
rs62530050	PC ae C40:6	8	125418561	T/C	0.078	0.078	0.093	0.028	0.001	20.790
rs112483285	PC ae C40:6	15	41398607	A/C	0.011	0.011	0.071	0.080	0.375	19.961
rs74425759	PC ae C40:6	4	138126991	G/A	0.080	0.080	0.016	0.026	0.546	19.795
rs6778602	PC ae C40:6	3	84147330	C/A	0.655	0.345	0.011	0.015	0.478	25.052
rs2885697	PC ae C40:6	1	41544279	G/T	0.666	0.334	0.008	0.015	0.582	19.804
rs2722566	PC ae C40:6	2	5875714	A/G	0.462	0.462	0.006	0.014	0.673	19.744
rs144455261	PC ae C40:6	5	114149249	T/C	0.031	0.031	0.005	0.042	0.901	19.798
rs11980421	PC ae C40:6	7	147916800	A/G	0.643	0.357	0.005	0.015	0.744	22.030
rs10432203	PC ae C40:6	18	48180842	A/C	0.326	0.326	0.005	0.016	0.753	20.117

rs6884470	PC ae C40:6	5	127956581	G/A	0.134	0.134	0.004	0.021	0.863	23.475
rs12958036	PC ae C40:6	18	67363788	G/A	0.390	0.390	0.003	0.015	0.829	25.323
rs60420669	PC ae C40:6	10	69788149	A/G	0.138	0.138	0.002	0.021	0.923	19.639
rs4592963	PC ae C40:6	22	49465629	C/T	0.675	0.325	-0.005	0.016	0.765	21.885
rs12620606	PC ae C40:6	2	242154015	A/G	0.556	0.444	-0.008	0.015	0.589	20.731
rs11916226	PC ae C40:6	3	193614363	G/A	0.309	0.309	-0.010	0.016	0.505	20.050
rs12892826	PC ae C40:6	14	47470426	G/A	0.070	0.070	-0.011	0.029	0.705	21.734
rs2726519	PC ae C40:6	4	106193334	T/C	0.544	0.456	-0.012	0.014	0.401	25.046
rs56131013	PC ae C40:6	6	28320677	G/A	0.238	0.238	-0.017	0.017	0.316	28.832
rs4742321	PC ae C40:6	9	7255930	A/G	0.175	0.175	-0.018	0.019	0.339	22.987
rs4681332	PC ae C40:6	3	144194907	T/C	0.435	0.435	-0.023	0.015	0.113	24.846
rs4817455	PC ae C40:6	21	33449227	C/T	0.120	0.120	-0.023	0.022	0.296	20.437
rs61947293	PC ae C40:6	13	35192863	C/T	0.037	0.037	-0.030	0.039	0.448	21.323
rs4141422	PC ae C40:6	1	88751417	C/T	0.073	0.073	-0.031	0.028	0.272	21.225
rs72743359	PC ae C40:6	9	104212789	G/T	0.053	0.053	-0.035	0.034	0.295	20.192
rs74378438	PC ae C40:6	2	190205576	G/A	0.046	0.046	-0.041	0.035	0.235	26.531
rs144421185	SM C20:2	6	133878464	G/A	0.023	0.023	0.113	0.052	0.030	20.762
rs112483285	SM C20:2	15	41398607	A/C	0.011	0.011	0.084	0.080	0.289	19.961
rs62530050	SM C20:2	8	125418561	T/C	0.078	0.078	0.051	0.027	0.066	20.790
rs12620606	SM C20:2	2	242154015	A/G	0.557	0.443	0.046	0.015	0.002	20.731
rs12892826	SM C20:2	14	47470426	G/A	0.070	0.070	0.024	0.029	0.401	21.734
rs74425759	SM C20:2	4	138126991	G/A	0.080	0.080	0.023	0.026	0.368	19.795
rs2726519	SM C20:2	4	106193334	T/C	0.544	0.456	0.023	0.014	0.109	25.046
rs56131013	SM C20:2	6	28320677	G/A	0.238	0.238	0.023	0.017	0.176	28.832
rs72743359	SM C20:2	9	104212789	G/T	0.053	0.053	0.018	0.033	0.599	20.192
rs11980421	SM C20:2	7	147916800	A/G	0.643	0.357	0.016	0.015	0.291	22.030
rs6884470	SM C20:2	5	127956581	G/A	0.134	0.134	0.016	0.021	0.444	23.475
rs144455261	SM C20:2	5	114149249	T/C	0.031	0.031	0.014	0.042	0.736	19.798
rs60420669	SM C20:2	10	69788149	A/G	0.138	0.138	0.010	0.021	0.638	19.639
rs4742321	SM C20:2	9	7255930	A/G	0.175	0.175	0.009	0.019	0.625	22.987
rs61947293	SM C20:2	13	35192863	C/T	0.037	0.037	0.007	0.039	0.852	21.323
rs4681332	SM C20:2	3	144194907	T/C	0.435	0.435	0.005	0.014	0.752	24.846
rs11916226	SM C20:2	3	193614363	G/A	0.309	0.309	0.002	0.016	0.895	20.050

rs4592963	SM C20:2	22	49465629	C/T	0.676	0.324	-0.001	0.015	0.928	21.885
rs4141422	SM C20:2	1	88751417	C/T	0.073	0.073	-0.006	0.028	0.837	21.225
rs12958036	SM C20:2	18	67363788	G/A	0.390	0.390	-0.007	0.015	0.647	25.323
rs10432203	SM C20:2	18	48180842	A/C	0.326	0.326	-0.009	0.016	0.565	20.117
rs74378438	SM C20:2	2	190205576	G/A	0.046	0.046	-0.009	0.034	0.794	26.531
rs2885697	SM C20:2	1	41544279	G/T	0.667	0.334	-0.011	0.015	0.450	19.804
rs6778602	SM C20:2	3	84147330	C/A	0.655	0.345	-0.012	0.015	0.439	25.052
rs2722566	SM C20:2	2	5875714	A/G	0.462	0.462	-0.012	0.014	0.390	19.744
rs4817455	SM C20:2	21	33449227	C/T	0.120	0.120	-0.038	0.022	0.082	20.437
rs144421185	SM C24:0	6	133878464	G/A	0.023	0.023	0.123	0.053	0.020	20.762
rs112483285	SM C24:0	15	41398607	A/C	0.011	0.011	0.090	0.081	0.269	19.961
rs62530050	SM C24:0	8	125418561	T/C	0.078	0.078	0.074	0.028	0.008	20.790
rs12892826	SM C24:0	14	47470426	G/A	0.070	0.070	0.033	0.029	0.256	21.734
rs2726519	SM C24:0	4	106193334	T/C	0.544	0.456	0.024	0.015	0.099	25.046
rs72743359	SM C24:0	9	104212789	G/T	0.053	0.053	0.018	0.034	0.591	20.192
rs6884470	SM C24:0	5	127956581	G/A	0.134	0.134	0.016	0.021	0.450	23.475
rs6778602	SM C24:0	3	84147330	C/A	0.655	0.345	0.014	0.015	0.374	25.052
rs11980421	SM C24:0	7	147916800	A/G	0.643	0.357	0.011	0.016	0.481	22.030
rs12620606	SM C24:0	2	242154015	A/G	0.556	0.444	0.010	0.015	0.492	20.731
rs2722566	SM C24:0	2	5875714	A/G	0.462	0.462	0.009	0.015	0.551	19.744
rs4742321	SM C24:0	9	7255930	A/G	0.175	0.175	0.007	0.019	0.712	22.987
rs11916226	SM C24:0	3	193614363	G/A	0.309	0.309	0.005	0.016	0.766	20.050
rs4681332	SM C24:0	3	144194907	T/C	0.435	0.435	-0.001	0.015	0.974	24.846
rs4592963	SM C24:0	22	49465629	C/T	0.675	0.325	-0.003	0.016	0.871	21.885
rs74425759	SM C24:0	4	138126991	G/A	0.080	0.080	-0.003	0.027	0.906	19.795
rs10432203	SM C24:0	18	48180842	A/C	0.326	0.326	-0.014	0.016	0.396	20.117
rs12958036	SM C24:0	18	67363788	G/A	0.390	0.390	-0.016	0.015	0.300	25.323
rs60420669	SM C24:0	10	69788149	A/G	0.138	0.138	-0.016	0.021	0.460	19.639
rs4817455	SM C24:0	21	33449227	C/T	0.120	0.120	-0.020	0.022	0.369	20.437
rs144455261	SM C24:0	5	114149249	T/C	0.031	0.031	-0.023	0.043	0.593	19.798
rs56131013	SM C24:0	6	28320677	G/A	0.238	0.238	-0.026	0.017	0.133	28.832
rs4141422	SM C24:0	1	88751417	C/T	0.073	0.073	-0.031	0.028	0.274	21.225
rs2885697	SM C24:0	1	41544279	G/T	0.666	0.334	-0.037	0.015	0.015	19.804

rs61947293	SM C24:0	13	35192863	C/T	0.037	0.037	-0.038	0.040	0.334	21.323
rs74378438	SM C24:0	2	190205576	G/A	0.046	0.046	-0.041	0.035	0.244	26.531
rs112483285	lysoPC a C20:4	15	41398607	A/C	0.011	0.011	0.077	0.078	0.322	19.961
rs4141422	lysoPC a C20:4	1	88751417	C/T	0.073	0.073	0.048	0.027	0.075	21.225
rs74425759	lysoPC a C20:4	4	138126991	G/A	0.080	0.080	0.025	0.025	0.320	19.795
rs4742321	lysoPC a C20:4	9	7255930	A/G	0.175	0.175	0.018	0.019	0.343	22.987
rs11916226	lysoPC a C20:4	3	193614363	G/A	0.309	0.309	0.016	0.015	0.292	20.050
rs62530050	lysoPC a C20:4	8	125418561	T/C	0.078	0.078	0.012	0.027	0.646	20.790
rs11980421	lysoPC a C20:4	7	147916800	A/G	0.643	0.357	0.009	0.015	0.552	22.030
rs6778602	lysoPC a C20:4	3	84147330	C/A	0.655	0.345	0.009	0.015	0.552	25.052
rs2722566	lysoPC a C20:4	2	5875714	A/G	0.462	0.462	0.008	0.014	0.564	19.744
rs10432203	lysoPC a C20:4	18	48180842	A/C	0.326	0.326	0.007	0.015	0.629	20.117
rs12620606	lysoPC a C20:4	2	242154015	A/G	0.556	0.444	0.002	0.015	0.872	20.731
rs60420669	lysoPC a C20:4	10	69788149	A/G	0.138	0.138	-0.001	0.020	0.961	19.639
rs144421185	lysoPC a C20:4	6	133878464	G/A	0.023	0.023	-0.002	0.051	0.975	20.762
rs4592963	lysoPC a C20:4	22	49465629	C/T	0.675	0.325	-0.002	0.015	0.894	21.885
rs2726519	lysoPC a C20:4	4	106193334	T/C	0.544	0.456	-0.002	0.014	0.872	25.046
rs74378438	lysoPC a C20:4	2	190205576	G/A	0.046	0.046	-0.003	0.034	0.939	26.531
rs72743359	lysoPC a C20:4	9	104212789	G/T	0.053	0.053	-0.004	0.033	0.906	20.192
rs56131013	lysoPC a C20:4	6	28320677	G/A	0.238	0.238	-0.007	0.017	0.694	28.832
rs4681332	lysoPC a C20:4	3	144194907	T/C	0.435	0.435	-0.011	0.014	0.438	24.846
rs12892826	lysoPC a C20:4	14	47470426	G/A	0.070	0.070	-0.011	0.028	0.693	21.734
rs12958036	lysoPC a C20:4	18	67363788	G/A	0.390	0.390	-0.015	0.014	0.310	25.323
rs144455261	lysoPC a C20:4	5	114149249	T/C	0.031	0.031	-0.015	0.041	0.709	19.798
rs2885697	lysoPC a C20:4	1	41544279	G/T	0.666	0.334	-0.016	0.015	0.281	19.804
rs6884470	lysoPC a C20:4	5	127956581	G/A	0.134	0.134	-0.024	0.020	0.243	23.475
rs4817455	lysoPC a C20:4	21	33449227	C/T	0.120	0.120	-0.037	0.021	0.082	20.437
rs61947293	lysoPC a C20:4	13	35192863	C/T	0.037	0.037	-0.050	0.038	0.189	21.323
rs144421185	lysoPC a C26:0	6	133878464	G/A	0.023	0.023	0.075	0.053	0.158	20.762
rs12892826	lysoPC a C26:0	14	47470426	G/A	0.070	0.070	0.043	0.030	0.146	21.734
rs2722566	lysoPC a C26:0	2	5875714	A/G	0.462	0.462	0.022	0.015	0.135	19.744
rs4742321	lysoPC a C26:0	9	7255930	A/G	0.175	0.175	0.021	0.020	0.282	22.987
rs62530050	lysoPC a C26:0	8	125418561	T/C	0.078	0.078	0.020	0.028	0.477	20.790

rs4817455	lysoPC a C26:0	21	33449227	C/T	0.120	0.120	0.019	0.023	0.401	20.437
rs4592963	lysoPC a C26:0	22	49465629	C/T	0.675	0.325	0.016	0.016	0.326	21.885
rs72743359	lysoPC a C26:0	9	104212789	G/T	0.053	0.053	0.015	0.034	0.673	20.192
rs74425759	lysoPC a C26:0	4	138126991	G/A	0.080	0.080	0.014	0.027	0.603	19.795
rs6778602	lysoPC a C26:0	3	84147330	C/A	0.655	0.345	0.010	0.016	0.521	25.052
rs112483285	lysoPC a C26:0	15	41398607	A/C	0.011	0.011	0.009	0.082	0.909	19.961
rs12620606	lysoPC a C26:0	2	242154015	A/G	0.556	0.444	0.005	0.015	0.752	20.731
rs60420669	lysoPC a C26:0	10	69788149	A/G	0.138	0.138	0.002	0.021	0.940	19.639
rs12958036	lysoPC a C26:0	18	67363788	G/A	0.390	0.390	-0.008	0.015	0.592	25.323
rs11916226	lysoPC a C26:0	3	193614363	G/A	0.309	0.309	-0.009	0.016	0.570	20.050
rs200525575	lysoPC a C26:0	4	65534103	G/A	0.414	0.414	-0.010	0.017	0.567	19.643
rs6884470	lysoPC a C26:0	5	127956581	G/A	0.134	0.134	-0.010	0.021	0.645	23.475
rs2885697	lysoPC a C26:0	1	41544279	G/T	0.666	0.334	-0.012	0.016	0.454	19.804
rs10432203	lysoPC a C26:0	18	48180842	A/C	0.326	0.326	-0.017	0.016	0.296	20.117
rs11980421	lysoPC a C26:0	7	147916800	A/G	0.643	0.357	-0.017	0.016	0.272	22.030
rs74378438	lysoPC a C26:0	2	190205576	G/A	0.046	0.046	-0.019	0.035	0.597	26.531
rs2726519	lysoPC a C26:0	4	106193334	T/C	0.544	0.456	-0.025	0.015	0.087	25.046
rs4681332	lysoPC a C26:0	3	144194907	T/C	0.435	0.435	-0.028	0.015	0.057	24.846
rs61947293	lysoPC a C26:0	13	35192863	C/T	0.037	0.037	-0.029	0.040	0.470	21.323
rs4141422	lysoPC a C26:0	1	88751417	C/T	0.073	0.073	-0.035	0.029	0.218	21.225
rs56131013	lysoPC a C26:0	6	28320677	G/A	0.238	0.238	-0.053	0.017	0.002	28.832
rs540153603	lysoPC a C26:0	10	125549694	A/G	0.051	0.051	-0.070	0.046	0.133	20.048
rs144455261	lysoPC a C26:0	5	114149249	T/C	0.031	0.031	-0.077	0.043	0.073	19.798
rs62530050	lysoPC a C28:1	8	125418561	T/C	0.078	0.078	0.041	0.028	0.144	20.790
rs72743359	lysoPC a C28:1	9	104212789	G/T	0.053	0.053	0.028	0.034	0.418	20.192
rs144421185	lysoPC a C28:1	6	133878464	G/A	0.023	0.023	0.026	0.053	0.619	20.762
rs12892826	lysoPC a C28:1	14	47470426	G/A	0.070	0.070	0.024	0.029	0.411	21.734
rs2722566	lysoPC a C28:1	2	5875714	A/G	0.462	0.462	0.023	0.015	0.126	19.744
rs4742321	lysoPC a C28:1	9	7255930	A/G	0.175	0.175	0.021	0.020	0.293	22.987
rs4592963	lysoPC a C28:1	22	49465629	C/T	0.675	0.325	0.018	0.016	0.257	21.885
rs74425759	lysoPC a C28:1	4	138126991	G/A	0.080	0.080	0.014	0.027	0.604	19.795
rs6778602	lysoPC a C28:1	3	84147330	C/A	0.655	0.345	0.009	0.016	0.573	25.052
rs12620606	lysoPC a C28:1	2	242154015	A/G	0.556	0.444	0.006	0.015	0.690	20.731

rs112483285	lysoPC a C28:1	15	41398607	A/C	0.011	0.011	-0.002	0.082	0.984	19.961
rs12958036	lysoPC a C28:1	18	67363788	G/A	0.390	0.390	-0.003	0.015	0.821	25.323
rs10432203	lysoPC a C28:1	18	48180842	A/C	0.326	0.326	-0.004	0.016	0.826	20.117
rs4817455	lysoPC a C28:1	21	33449227	C/T	0.120	0.120	-0.004	0.023	0.857	20.437
rs2885697	lysoPC a C28:1	1	41544279	G/T	0.666	0.334	-0.005	0.016	0.731	19.804
rs11916226	lysoPC a C28:1	3	193614363	G/A	0.309	0.309	-0.006	0.016	0.695	20.050
rs60420669	lysoPC a C28:1	10	69788149	A/G	0.138	0.138	-0.016	0.021	0.462	19.639
rs4141422	lysoPC a C28:1	1	88751417	C/T	0.073	0.073	-0.016	0.029	0.575	21.225
rs11980421	lysoPC a C28:1	7	147916800	A/G	0.643	0.357	-0.017	0.016	0.279	22.030
rs144455261	lysoPC a C28:1	5	114149249	T/C	0.031	0.031	-0.023	0.043	0.589	19.798
rs4681332	lysoPC a C28:1	3	144194907	T/C	0.435	0.435	-0.024	0.015	0.102	24.846
rs6884470	lysoPC a C28:1	5	127956581	G/A	0.134	0.134	-0.026	0.021	0.221	23.475
rs61947293	lysoPC a C28:1	13	35192863	C/T	0.037	0.037	-0.030	0.040	0.458	21.323
rs2726519	lysoPC a C28:1	4	106193334	T/C	0.544	0.456	-0.037	0.015	0.012	25.046
rs74378438	lysoPC a C28:1	2	190205576	G/A	0.046	0.046	-0.050	0.035	0.156	26.531
rs56131013	lysoPC a C28:1	6	28320677	G/A	0.238	0.238	-0.052	0.017	0.003	28.832
rs144421185	met-c-856	6	133878464	G/A	0.986	0.014	0.080	0.060	0.184	20.762
rs62530050	met-c-856	8	125418561	T/C	0.930	0.070	0.033	0.026	0.202	20.790
rs6884470	met-c-856	5	127956581	G/A	0.882	0.118	0.027	0.019	0.165	23.475
rs4681332	met-c-856	3	144194907	T/C	0.587	0.413	0.021	0.012	0.089	24.846
rs74378438	met-c-856	2	190205576	G/A	0.975	0.025	0.018	0.044	0.683	26.531
rs6778602	met-c-856	3	84147330	C/A	0.298	0.298	0.018	0.013	0.182	25.052
rs12958036	met-c-856	18	67363788	G/A	0.686	0.314	0.015	0.013	0.261	25.323
rs60420669	met-c-856	10	69788149	A/G	0.870	0.130	0.013	0.019	0.487	19.639
rs4742321	met-c-856	9	7255930	A/G	0.768	0.232	0.012	0.015	0.400	22.987
rs12620606	met-c-856	2	242154015	A/G	0.409	0.409	0.010	0.013	0.449	20.731
rs112483285	met-c-856	15	41398607	A/C	0.993	0.007	0.008	0.100	0.939	19.961
rs11980421	met-c-856	7	147916800	A/G	0.317	0.317	0.005	0.013	0.717	22.030
rs11916226	met-c-856	3	193614363	G/A	0.642	0.358	0.000	0.013	0.993	20.050
rs74425759	met-c-856	4	138126991	G/A	0.932	0.068	-0.001	0.024	0.975	19.795
rs2722566	met-c-856	2	5875714	A/G	0.470	0.470	-0.004	0.012	0.717	19.744
rs10432203	met-c-856	18	48180842	A/C	0.637	0.363	-0.007	0.013	0.569	20.117
rs12892826	met-c-856	14	47470426	G/A	0.930	0.070	-0.008	0.024	0.727	21.734

rs4592963	met-c-856	22	49465629	C/T	0.311	0.311	-0.009	0.013	0.506	21.885
rs2885697	met-c-856	1	41544279	G/T	0.331	0.331	-0.010	0.013	0.427	19.804
rs2726519	met-c-856	4	106193334	T/C	0.534	0.466	-0.012	0.012	0.335	25.046
rs61947293	met-c-856	13	35192863	C/T	0.981	0.019	-0.012	0.047	0.793	21.323
rs4817455	met-c-856	21	33449227	C/T	0.879	0.121	-0.018	0.020	0.361	20.437
rs56131013	met-c-856	6	28320677	G/A	0.874	0.126	-0.022	0.019	0.235	28.832
rs4141422	met-c-856	1	88751417	C/T	0.934	0.066	-0.033	0.025	0.184	21.225
rs72743359	met-c-856	9	104212789	G/T	0.944	0.056	-0.063	0.030	0.034	20.192
rs144455261	met-c-856	5	114149249	T/C	0.988	0.012	-0.087	0.072	0.227	19.798
rs61947293	met-c-881	13	35192863	C/T	0.981	0.019	0.047	0.039	0.231	21.323
rs62530050	met-c-881	8	125418561	T/C	0.930	0.070	0.018	0.022	0.410	20.790
rs6884470	met-c-881	5	127956581	G/A	0.880	0.120	0.015	0.016	0.345	23.475
rs4681332	met-c-881	3	144194907	T/C	0.582	0.418	0.015	0.010	0.166	24.846
rs12620606	met-c-881	2	242154015	A/G	0.417	0.417	0.014	0.011	0.181	20.731
rs4817455	met-c-881	21	33449227	C/T	0.880	0.120	0.011	0.017	0.506	20.437
rs12958036	met-c-881	18	67363788	G/A	0.688	0.312	0.010	0.011	0.384	25.323
rs6778602	met-c-881	3	84147330	C/A	0.307	0.307	0.009	0.011	0.409	25.052
rs60420669	met-c-881	10	69788149	A/G	0.878	0.122	0.008	0.016	0.612	19.639
rs74378438	met-c-881	2	190205576	G/A	0.974	0.026	0.007	0.035	0.849	26.531
rs11916226	met-c-881	3	193614363	G/A	0.653	0.347	0.005	0.011	0.670	20.050
rs11980421	met-c-881	7	147916800	A/G	0.313	0.313	-0.002	0.011	0.883	22.030
rs2726519	met-c-881	4	106193334	T/C	0.526	0.474	-0.002	0.010	0.827	25.046
rs4742321	met-c-881	9	7255930	A/G	0.778	0.222	-0.004	0.012	0.773	22.987
rs10432203	met-c-881	18	48180842	A/C	0.634	0.366	-0.004	0.011	0.720	20.117
rs56131013	met-c-881	6	28320677	G/A	0.872	0.128	-0.005	0.015	0.757	28.832
rs112483285	met-c-881	15	41398607	A/C	0.992	0.008	-0.005	0.080	0.949	19.961
rs12892826	met-c-881	14	47470426	G/A	0.935	0.065	-0.006	0.021	0.763	21.734
rs2885697	met-c-881	1	41544279	G/T	0.328	0.328	-0.012	0.011	0.275	19.804
rs4592963	met-c-881	22	49465629	C/T	0.303	0.303	-0.013	0.011	0.262	21.885
rs2722566	met-c-881	2	5875714	A/G	0.472	0.472	-0.013	0.010	0.198	19.744
rs74425759	met-c-881	4	138126991	G/A	0.929	0.071	-0.014	0.020	0.478	19.795
rs144421185	met-c-881	6	133878464	G/A	0.986	0.014	-0.019	0.049	0.700	20.762
rs72743359	met-c-881	9	104212789	G/T	0.945	0.055	-0.037	0.025	0.140	20.192

rs4141422	met-c-881	1	88751417	C/T	0.934	0.066	-0.040	0.021	0.058	21.225
rs144455261	met-c-881	5	114149249	T/C	0.988	0.012	-0.110	0.061	0.075	19.798
rs112483285	met-c-889	15	41398607	A/C	0.992	0.008	0.043	0.081	0.599	19.961
rs74378438	met-c-889	2	190205576	G/A	0.974	0.026	0.029	0.036	0.422	26.531
rs62530050	met-c-889	8	125418561	T/C	0.930	0.070	0.027	0.022	0.228	20.790
rs61947293	met-c-889	13	35192863	C/T	0.981	0.019	0.025	0.039	0.525	21.323
rs74425759	met-c-889	4	138126991	G/A	0.929	0.071	0.019	0.020	0.341	19.795
rs12620606	met-c-889	2	242154015	A/G	0.417	0.417	0.018	0.011	0.103	20.731
rs12958036	met-c-889	18	67363788	G/A	0.688	0.312	0.014	0.011	0.230	25.323
rs11980421	met-c-889	7	147916800	A/G	0.313	0.313	0.011	0.011	0.321	22.030
rs4742321	met-c-889	9	7255930	A/G	0.778	0.222	0.009	0.013	0.479	22.987
rs4817455	met-c-889	21	33449227	C/T	0.880	0.120	0.007	0.017	0.660	20.437
rs4141422	met-c-889	1	88751417	C/T	0.934	0.066	0.004	0.021	0.842	21.225
rs2722566	met-c-889	2	5875714	A/G	0.472	0.472	0.003	0.010	0.770	19.744
rs6778602	met-c-889	3	84147330	C/A	0.308	0.308	0.001	0.011	0.961	25.052
rs11916226	met-c-889	3	193614363	G/A	0.654	0.346	-0.001	0.011	0.942	20.050
rs2885697	met-c-889	1	41544279	G/T	0.328	0.328	-0.003	0.011	0.767	19.804
rs12892826	met-c-889	14	47470426	G/A	0.935	0.065	-0.005	0.021	0.823	21.734
rs4592963	met-c-889	22	49465629	C/T	0.303	0.303	-0.005	0.011	0.650	21.885
rs10432203	met-c-889	18	48180842	A/C	0.634	0.366	-0.006	0.011	0.611	20.117
rs6884470	met-c-889	5	127956581	G/A	0.880	0.120	-0.009	0.016	0.573	23.475
rs144455261	met-c-889	5	114149249	T/C	0.989	0.011	-0.010	0.062	0.868	19.798
rs4681332	met-c-889	3	144194907	T/C	0.582	0.418	-0.012	0.011	0.239	24.846
rs60420669	met-c-889	10	69788149	A/G	0.877	0.123	-0.014	0.016	0.362	19.639
rs2726519	met-c-889	4	106193334	T/C	0.526	0.474	-0.016	0.010	0.117	25.046
rs56131013	met-c-889	6	28320677	G/A	0.872	0.128	-0.017	0.015	0.285	28.832
rs72743359	met-c-889	9	104212789	G/T	0.945	0.055	-0.018	0.025	0.465	20.192
rs144421185	met-c-889	6	133878464	G/A	0.986	0.014	-0.061	0.049	0.215	20.762
rs144421185	met-c-893	6	133878464	G/A	0.986	0.014	0.092	0.060	0.127	20.762
rs62530050	met-c-893	8	125418561	T/C	0.930	0.070	0.038	0.026	0.150	20.790
rs112483285	met-c-893	15	41398607	A/C	0.993	0.007	0.037	0.100	0.712	19.961
rs6884470	met-c-893	5	127956581	G/A	0.882	0.118	0.028	0.019	0.141	23.475
rs4681332	met-c-893	3	144194907	T/C	0.587	0.413	0.016	0.012	0.196	24.846

rs6778602	met-c-893	3	84147330	C/A	0.298	0.298	0.015	0.013	0.278	25.052
rs60420669	met-c-893	10	69788149	A/G	0.872	0.128	0.011	0.018	0.559	19.639
rs12620606	met-c-893	2	242154015	A/G	0.409	0.409	0.010	0.013	0.414	20.731
rs74425759	met-c-893	4	138126991	G/A	0.932	0.068	0.010	0.024	0.694	19.795
rs4742321	met-c-893	9	7255930	A/G	0.768	0.232	0.009	0.015	0.531	22.987
rs74378438	met-c-893	2	190205576	G/A	0.975	0.025	0.009	0.043	0.845	26.531
rs11916226	met-c-893	3	193614363	G/A	0.643	0.357	0.008	0.013	0.555	20.050
rs11980421	met-c-893	7	147916800	A/G	0.317	0.317	0.005	0.013	0.710	22.030
rs12958036	met-c-893	18	67363788	G/A	0.686	0.314	0.004	0.013	0.746	25.323
rs2726519	met-c-893	4	106193334	T/C	0.534	0.466	0.003	0.012	0.795	25.046
rs2722566	met-c-893	2	5875714	A/G	0.469	0.469	0.002	0.012	0.872	19.744
rs61947293	met-c-893	13	35192863	C/T	0.981	0.019	-0.002	0.047	0.973	21.323
rs4592963	met-c-893	22	49465629	C/T	0.311	0.311	-0.002	0.013	0.905	21.885
rs12892826	met-c-893	14	47470426	G/A	0.930	0.070	-0.002	0.024	0.925	21.734
rs10432203	met-c-893	18	48180842	A/C	0.638	0.362	-0.006	0.013	0.659	20.117
rs2885697	met-c-893	1	41544279	G/T	0.331	0.331	-0.011	0.013	0.391	19.804
rs4817455	met-c-893	21	33449227	C/T	0.879	0.121	-0.014	0.020	0.474	20.437
rs56131013	met-c-893	6	28320677	G/A	0.874	0.126	-0.019	0.019	0.300	28.832
rs4141422	met-c-893	1	88751417	C/T	0.934	0.066	-0.020	0.025	0.414	21.225
rs72743359	met-c-893	9	104212789	G/T	0.944	0.056	-0.063	0.029	0.033	20.192
rs144455261	met-c-893	5	114149249	T/C	0.988	0.012	-0.095	0.071	0.188	19.798
rs61947293	met-c-925	13	35192863	C/T	0.981	0.019	0.058	0.039	0.141	21.323
rs62530050	met-c-925	8	125418561	T/C	0.930	0.070	0.023	0.022	0.296	20.790
rs6884470	met-c-925	5	127956581	G/A	0.880	0.120	0.018	0.016	0.263	23.475
rs12620606	met-c-925	2	242154015	A/G	0.417	0.417	0.013	0.011	0.234	20.731
rs4681332	met-c-925	3	144194907	T/C	0.582	0.418	0.012	0.010	0.269	24.846
rs4817455	met-c-925	21	33449227	C/T	0.880	0.120	0.009	0.017	0.588	20.437
rs12958036	met-c-925	18	67363788	G/A	0.697	0.303	0.006	0.011	0.579	25.323
rs60420669	met-c-925	10	69788149	A/G	0.878	0.122	0.005	0.016	0.739	19.639
rs6778602	met-c-925	3	84147330	C/A	0.307	0.307	0.004	0.011	0.749	25.052
rs11980421	met-c-925	7	147916800	A/G	0.313	0.313	0.003	0.011	0.773	22.030
rs11916226	met-c-925	3	193614363	G/A	0.653	0.347	0.002	0.011	0.843	20.050
rs56131013	met-c-925	6	28320677	G/A	0.872	0.128	0.001	0.015	0.936	28.832

rs4742321	met-c-925	9	7255930	A/G	0.778	0.222	0.000	0.012	0.997	22.987
rs10432203	met-c-925	18	48180842	A/C	0.634	0.366	-0.001	0.011	0.958	20.117
rs2885697	met-c-925	1	41544279	G/T	0.328	0.328	-0.003	0.011	0.809	19.804
rs74425759	met-c-925	4	138126991	G/A	0.929	0.071	-0.007	0.020	0.745	19.795
rs12892826	met-c-925	14	47470426	G/A	0.935	0.065	-0.010	0.021	0.651	21.734
rs2726519	met-c-925	4	106193334	T/C	0.526	0.474	-0.011	0.010	0.285	25.046
rs4592963	met-c-925	22	49465629	C/T	0.303	0.303	-0.012	0.011	0.297	21.885
rs2722566	met-c-925	2	5875714	A/G	0.472	0.472	-0.013	0.010	0.224	19.744
rs74378438	met-c-925	2	190205576	G/A	0.974	0.026	-0.014	0.035	0.708	26.531
rs112483285	met-c-925	15	41398607	A/C	0.992	0.008	-0.029	0.080	0.720	19.961
rs72743359	met-c-925	9	104212789	G/T	0.945	0.055	-0.030	0.025	0.241	20.192
rs4141422	met-c-925	1	88751417	C/T	0.934	0.066	-0.035	0.021	0.100	21.225
rs144421185	met-c-925	6	133878464	G/A	0.986	0.014	-0.044	0.049	0.376	20.762
rs144455261	met-c-925	5	114149249	T/C	0.988	0.012	-0.084	0.061	0.173	19.798
rs112483285	met-c-937	15	41398607	A/C	0.993	0.007	0.065	0.099	0.518	19.961
rs144421185	met-c-937	6	133878464	G/A	0.986	0.014	0.046	0.060	0.442	20.762
rs12892826	met-c-937	14	47470426	G/A	0.930	0.070	0.034	0.024	0.157	21.734
rs62530050	met-c-937	8	125418561	T/C	0.930	0.070	0.022	0.026	0.397	20.790
rs60420669	met-c-937	10	69788149	A/G	0.872	0.128	0.021	0.018	0.263	19.639
rs12620606	met-c-937	2	242154015	A/G	0.409	0.409	0.020	0.013	0.122	20.731
rs12958036	met-c-937	18	67363788	G/A	0.686	0.314	0.018	0.013	0.171	25.323
rs4681332	met-c-937	3	144194907	T/C	0.587	0.413	0.016	0.012	0.194	24.846
rs74378438	met-c-937	2	190205576	G/A	0.975	0.025	0.013	0.043	0.761	26.531
rs6778602	met-c-937	3	84147330	C/A	0.298	0.298	0.013	0.013	0.339	25.052
rs6884470	met-c-937	5	127956581	G/A	0.882	0.118	0.013	0.019	0.505	23.475
rs4742321	met-c-937	9	7255930	A/G	0.767	0.233	0.012	0.015	0.420	22.987
rs10432203	met-c-937	18	48180842	A/C	0.638	0.362	0.004	0.013	0.744	20.117
rs61947293	met-c-937	13	35192863	C/T	0.981	0.019	0.000	0.047	0.994	21.323
rs11916226	met-c-937	3	193614363	G/A	0.643	0.357	-0.003	0.013	0.839	20.050
rs11980421	met-c-937	7	147916800	A/G	0.317	0.317	-0.004	0.013	0.784	22.030
rs2885697	met-c-937	1	41544279	G/T	0.331	0.331	-0.004	0.013	0.770	19.804
rs2722566	met-c-937	2	5875714	A/G	0.469	0.469	-0.008	0.012	0.501	19.744
rs74425759	met-c-937	4	138126991	G/A	0.932	0.068	-0.014	0.024	0.565	19.795

rs4817455	met-c-937	21	33449227	C/T	0.879	0.121	-0.019	0.020	0.346	20.437
rs2726519	met-c-937	4	106193334	T/C	0.534	0.466	-0.024	0.012	0.049	25.046
rs4592963	met-c-937	22	49465629	C/T	0.311	0.311	-0.026	0.013	0.051	21.885
rs72743359	met-c-937	9	104212789	G/T	0.945	0.055	-0.027	0.029	0.352	20.192
rs56131013	met-c-937	6	28320677	G/A	0.874	0.126	-0.033	0.018	0.075	28.832
rs4141422	met-c-937	1	88751417	C/T	0.934	0.066	-0.037	0.025	0.138	21.225
rs144455261	met-c-937	5	114149249	T/C	0.988	0.012	-0.052	0.071	0.471	19.798
rs74378438	met-c-950	2	190205576	G/A	0.974	0.026	0.051	0.036	0.160	26.531
rs61947293	met-c-950	13	35192863	C/T	0.981	0.019	0.046	0.039	0.241	21.323
rs62530050	met-c-950	8	125418561	T/C	0.930	0.070	0.020	0.022	0.376	20.790
rs4141422	met-c-950	1	88751417	C/T	0.934	0.066	0.017	0.021	0.427	21.225
rs74425759	met-c-950	4	138126991	G/A	0.925	0.075	0.011	0.020	0.596	19.795
rs11980421	met-c-950	7	147916800	A/G	0.331	0.331	0.010	0.011	0.389	22.030
rs12620606	met-c-950	2	242154015	A/G	0.417	0.417	0.009	0.011	0.401	20.731
rs4742321	met-c-950	9	7255930	A/G	0.778	0.222	0.007	0.013	0.580	22.987
rs6778602	met-c-950	3	84147330	C/A	0.308	0.308	0.007	0.011	0.547	25.052
rs2722566	met-c-950	2	5875714	A/G	0.472	0.472	0.006	0.010	0.582	19.744
rs4817455	met-c-950	21	33449227	C/T	0.880	0.120	0.003	0.017	0.869	20.437
rs12958036	met-c-950	18	67363788	G/A	0.688	0.312	0.002	0.011	0.875	25.323
rs11916226	met-c-950	3	193614363	G/A	0.654	0.346	-0.004	0.011	0.700	20.050
rs2885697	met-c-950	1	41544279	G/T	0.328	0.328	-0.006	0.011	0.573	19.804
rs4681332	met-c-950	3	144194907	T/C	0.582	0.418	-0.007	0.011	0.540	24.846
rs60420669	met-c-950	10	69788149	A/G	0.876	0.124	-0.008	0.016	0.621	19.639
rs4592963	met-c-950	22	49465629	C/T	0.303	0.303	-0.010	0.011	0.370	21.885
rs10432203	met-c-950	18	48180842	A/C	0.634	0.366	-0.010	0.011	0.350	20.117
rs6884470	met-c-950	5	127956581	G/A	0.867	0.133	-0.011	0.016	0.475	23.475
rs12892826	met-c-950	14	47470426	G/A	0.935	0.065	-0.015	0.021	0.485	21.734
rs112483285	met-c-950	15	41398607	A/C	0.992	0.008	-0.017	0.081	0.836	19.961
rs2726519	met-c-950	4	106193334	T/C	0.515	0.485	-0.021	0.010	0.049	25.046
rs56131013	met-c-950	6	28320677	G/A	0.872	0.128	-0.022	0.015	0.158	28.832
rs144455261	met-c-950	5	114149249	T/C	0.989	0.011	-0.035	0.064	0.581	19.798
rs144421185	met-c-950	6	133878464	G/A	0.986	0.014	-0.039	0.049	0.428	20.762
rs72743359	met-c-950	9	104212789	G/T	0.945	0.055	-0.041	0.026	0.115	20.192

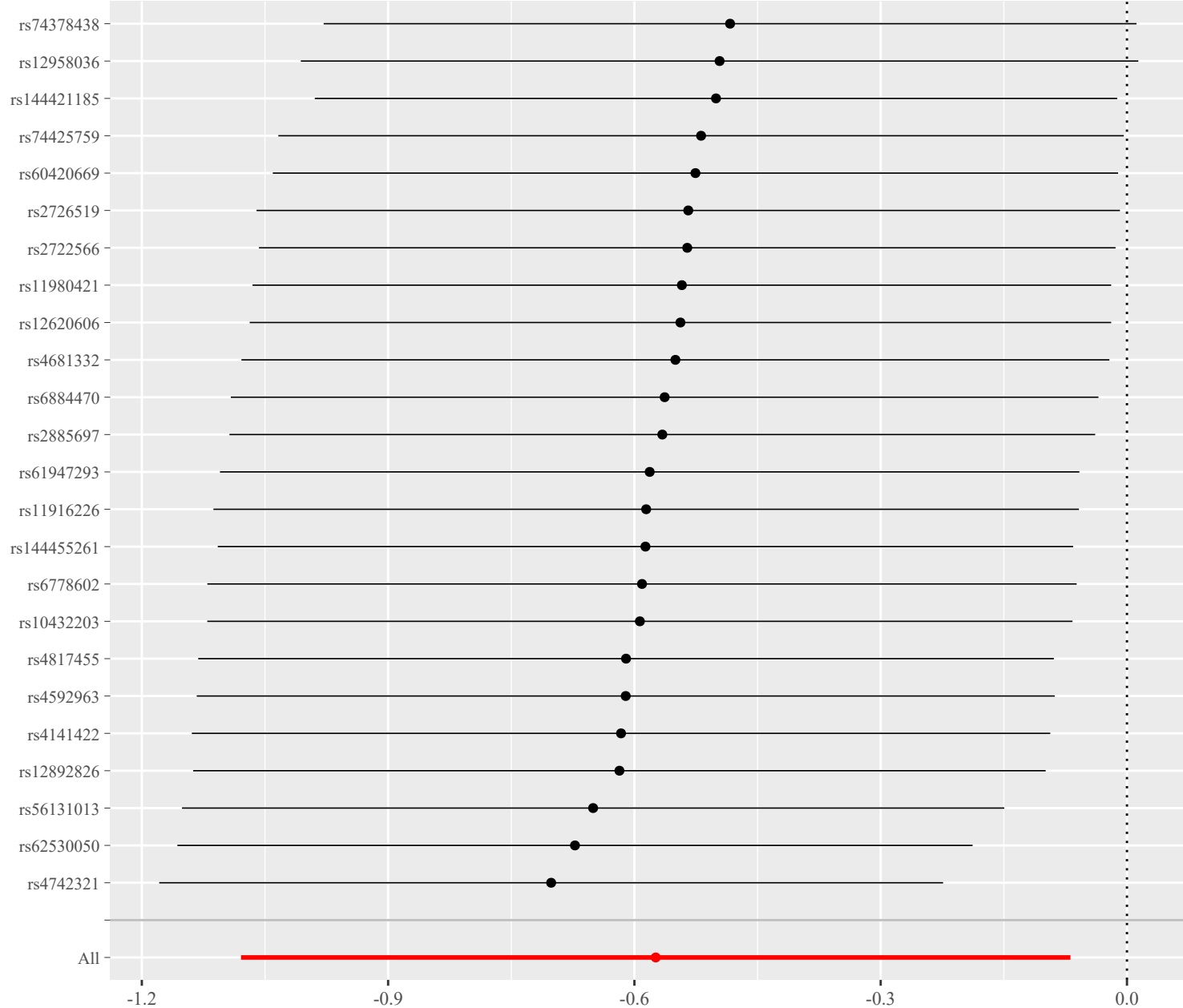
Note: SNP: Single nucleotide polymorphism; Outcome: Outcome variable; CHR: Chromosome; POS: Position; EA: Effect allele; OA: Other allele; EAF: Effect allele frequency; β : Beta value; SE: Standard error of β ; P: P-value; F-statistic: F-statistic; MAF: Minor allele frequency; *: SNPs are sorted in descending order of β (allelic effect value).

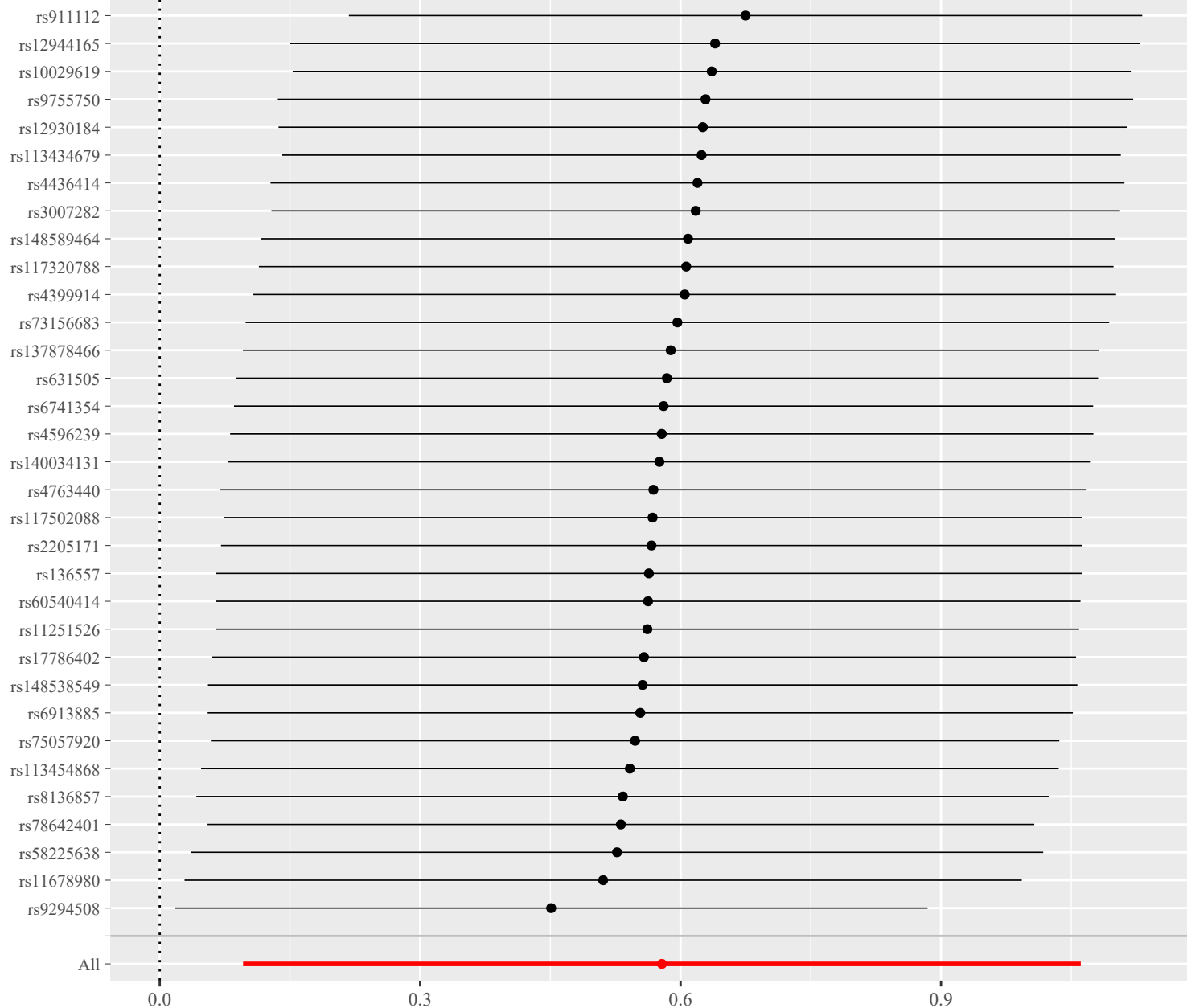
6. Supplementary Table 2: Reverse MR Analysis.

Outcome	Exposure	Nsnp	Methods	MR	
				OR(95%CI)	P value
Spread type: Other oil-based spread	Atopic dermatitis	56	Inverse variance weighted	0.999(0.991-1.008)	0.859
Bread type: Brown	Atopic dermatitis	56	Inverse variance weighted	0.994(0.986-1.001)	0.108
Total lipids in large VLDL	Atopic dermatitis	56	Inverse variance weighted	0.967(0.919–1.017)	0.190
SM C20:2	Atopic dermatitis	56	Inverse variance weighted	0.962(0.899–1.029)	0.264
Concentration of very large VLDL particles	Atopic dermatitis	56	Inverse variance weighted	0.972(0.923–1.024)	0.289
Bread type: Brown	Concentration of very large VLDL particles	32	Inverse variance weighted	1.002(0.991–1.014)	0.719
Bread type: Brown	Total lipids in large VLDL	34	Inverse variance weighted	0.995(0.985–1.005)	0.296
Spread type: Other oil-based spread	SM C20:2	17	Inverse variance weighted	1.003(0.989–1.016)	0.718

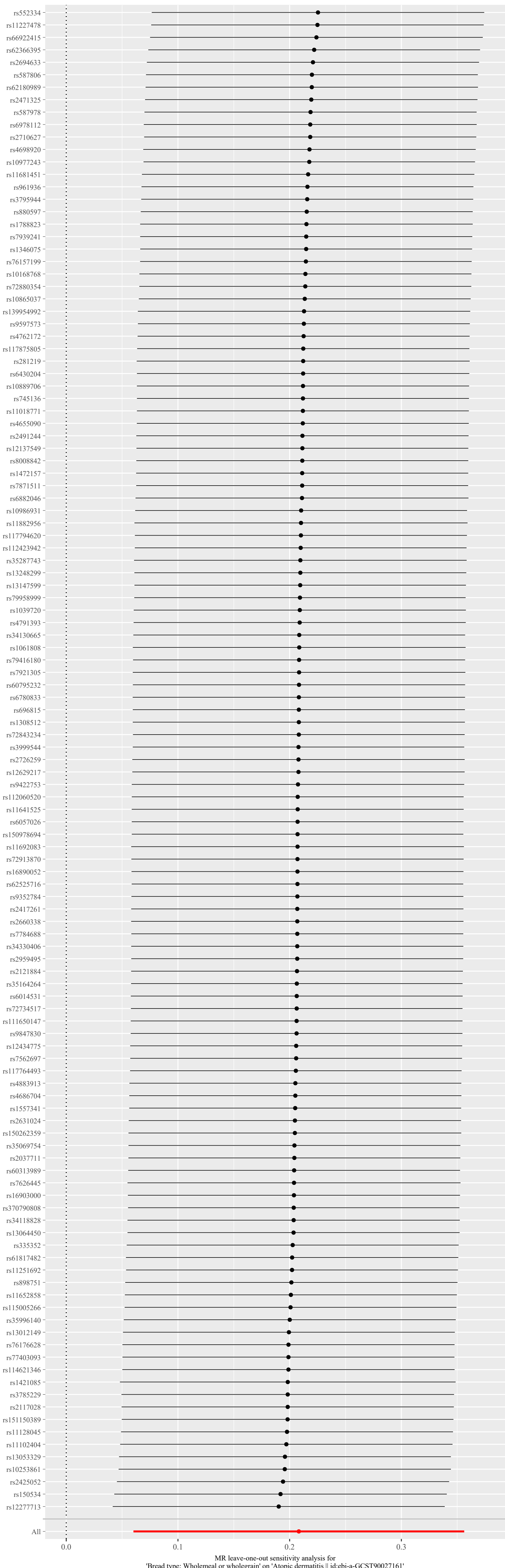
7. Supplementary Dataset 1: Leave-one-out, funnel, and scatter plots for the association between dietary habits and atopic dermatitis (6 datasets).

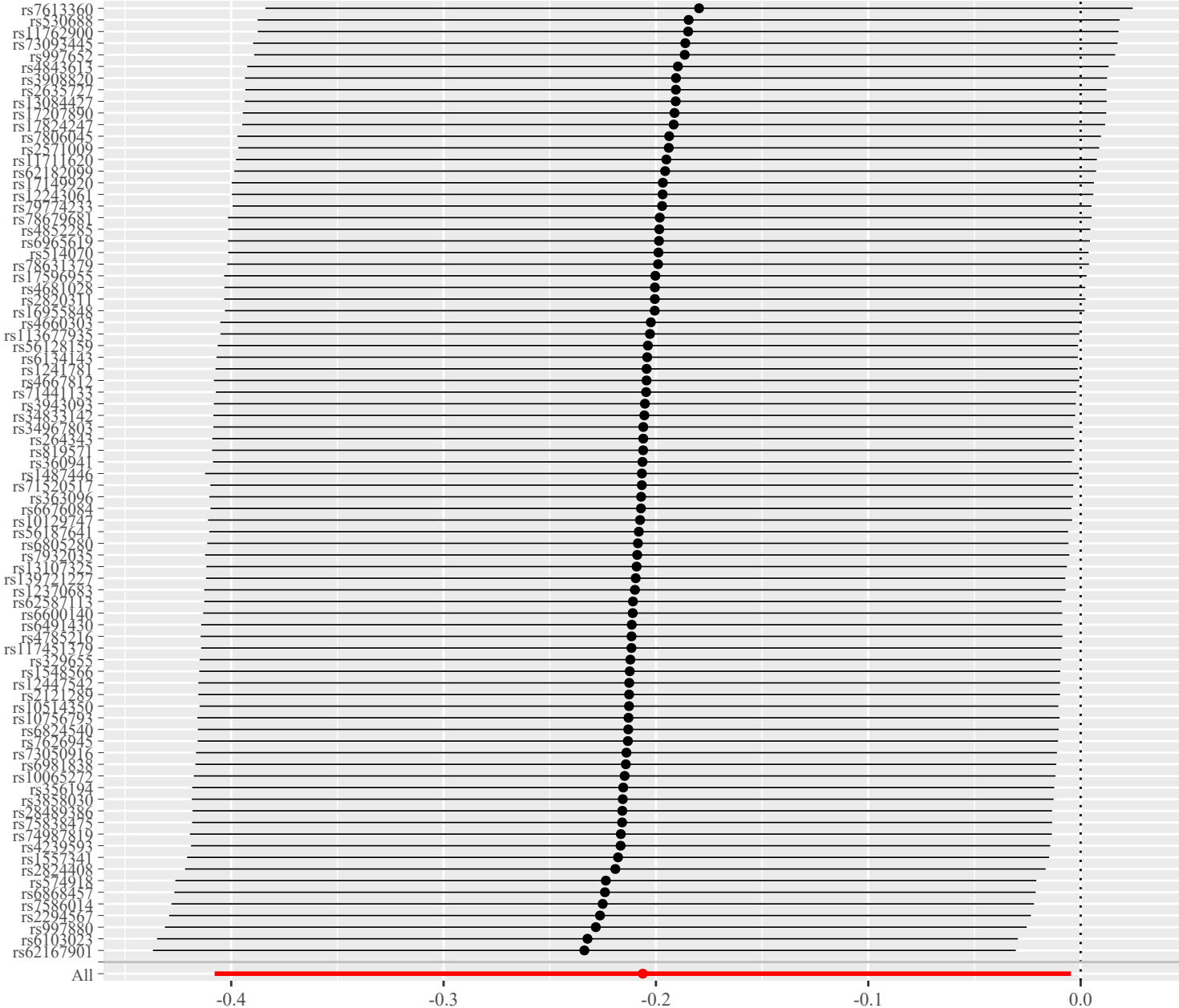
All analyses showed no influential outliers.



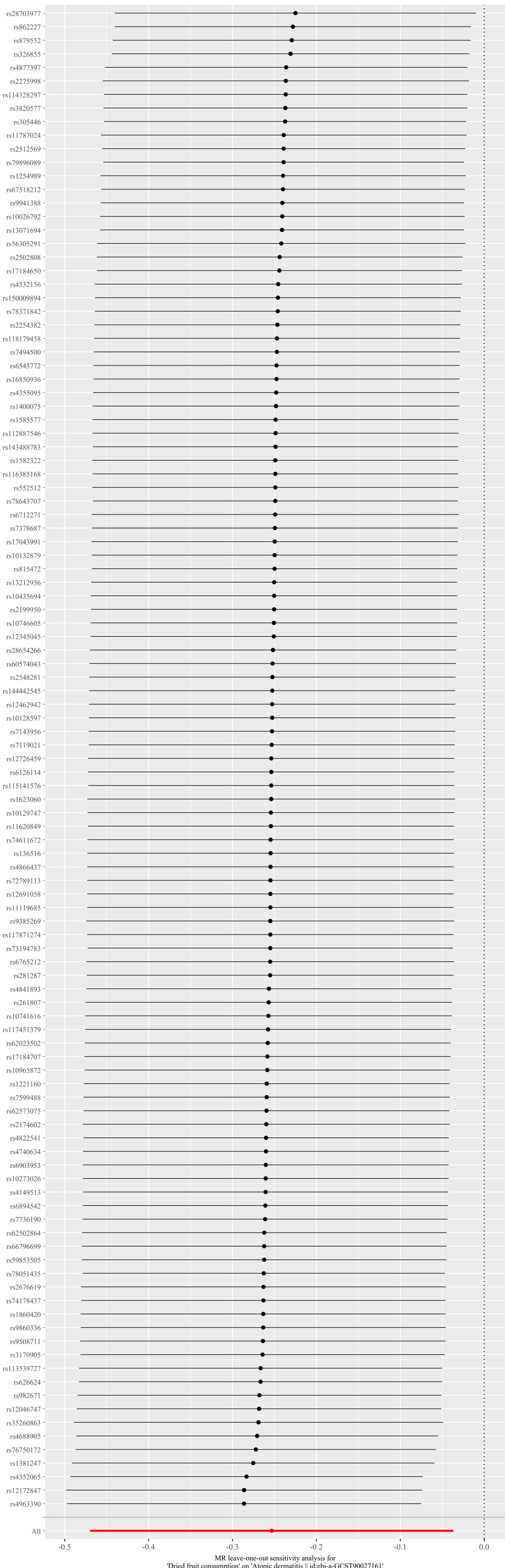


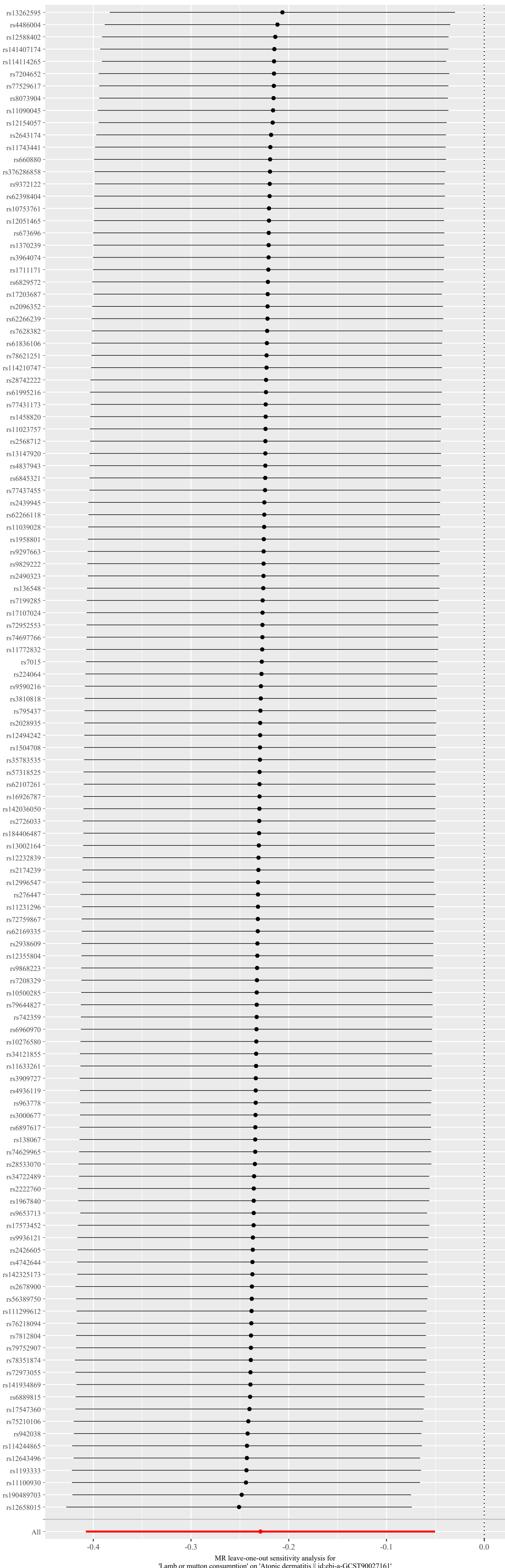
MR leave-one-out sensitivity analysis for
'Bread type: Brown' on 'Atopic dermatitis || id:ebi-a-GCST90027161'



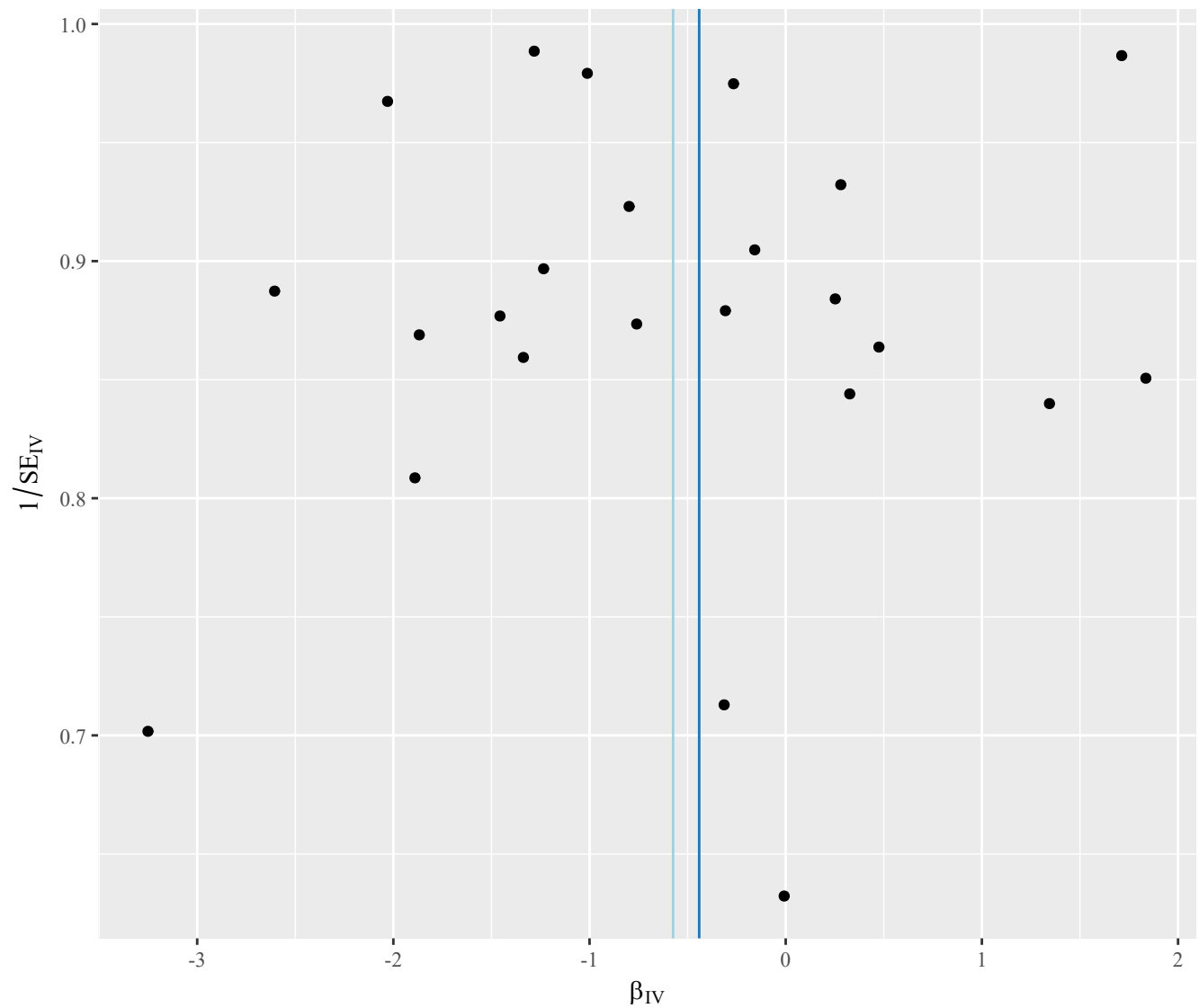
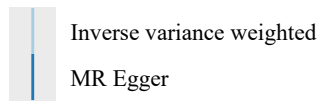


MR leave-one-out sensitivity analysis for 'Cereal type: Muesli' on 'Atopic dermatitis || id:ebi-a-GCST90027161'

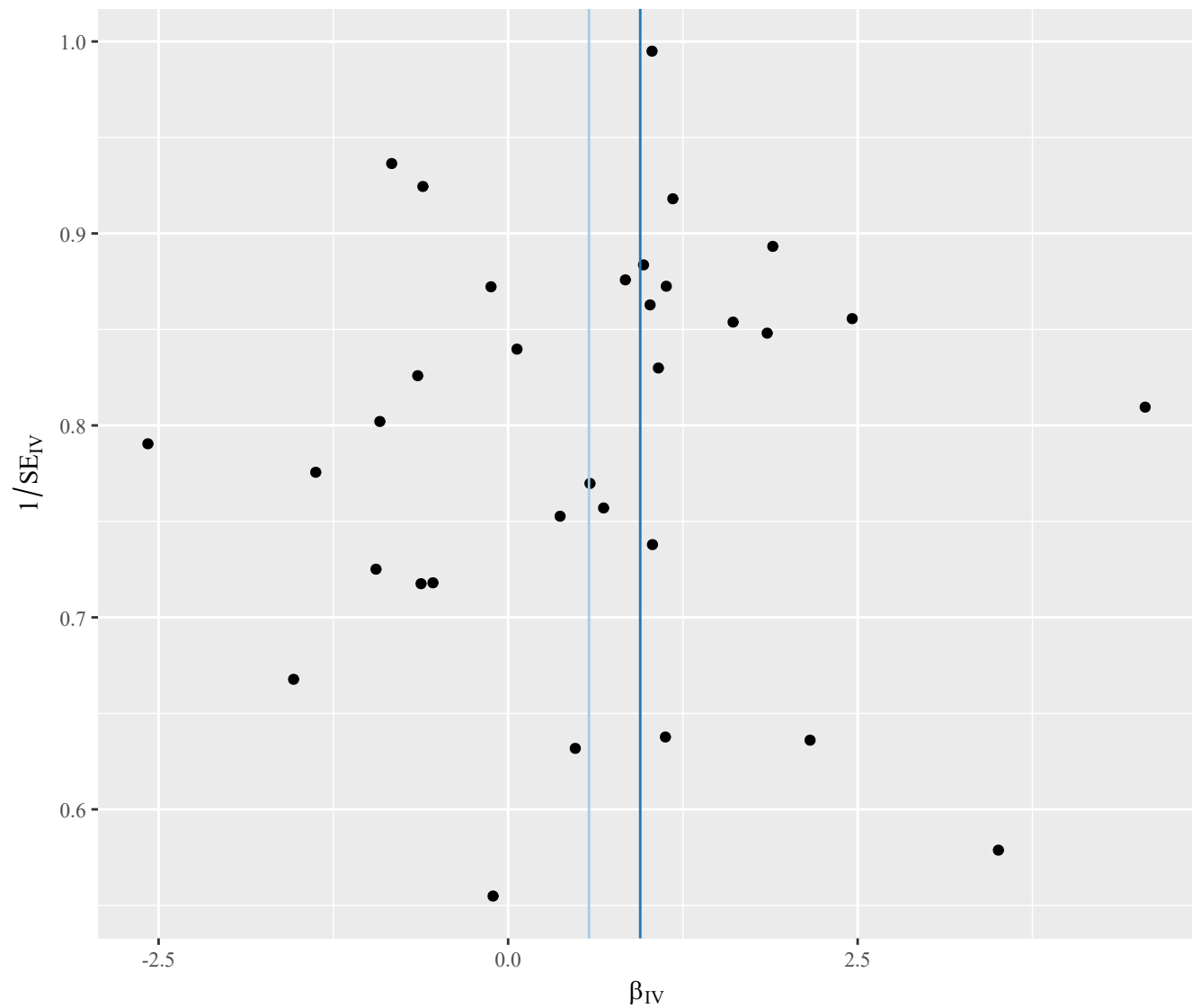
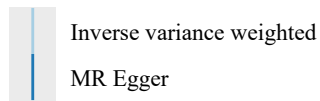




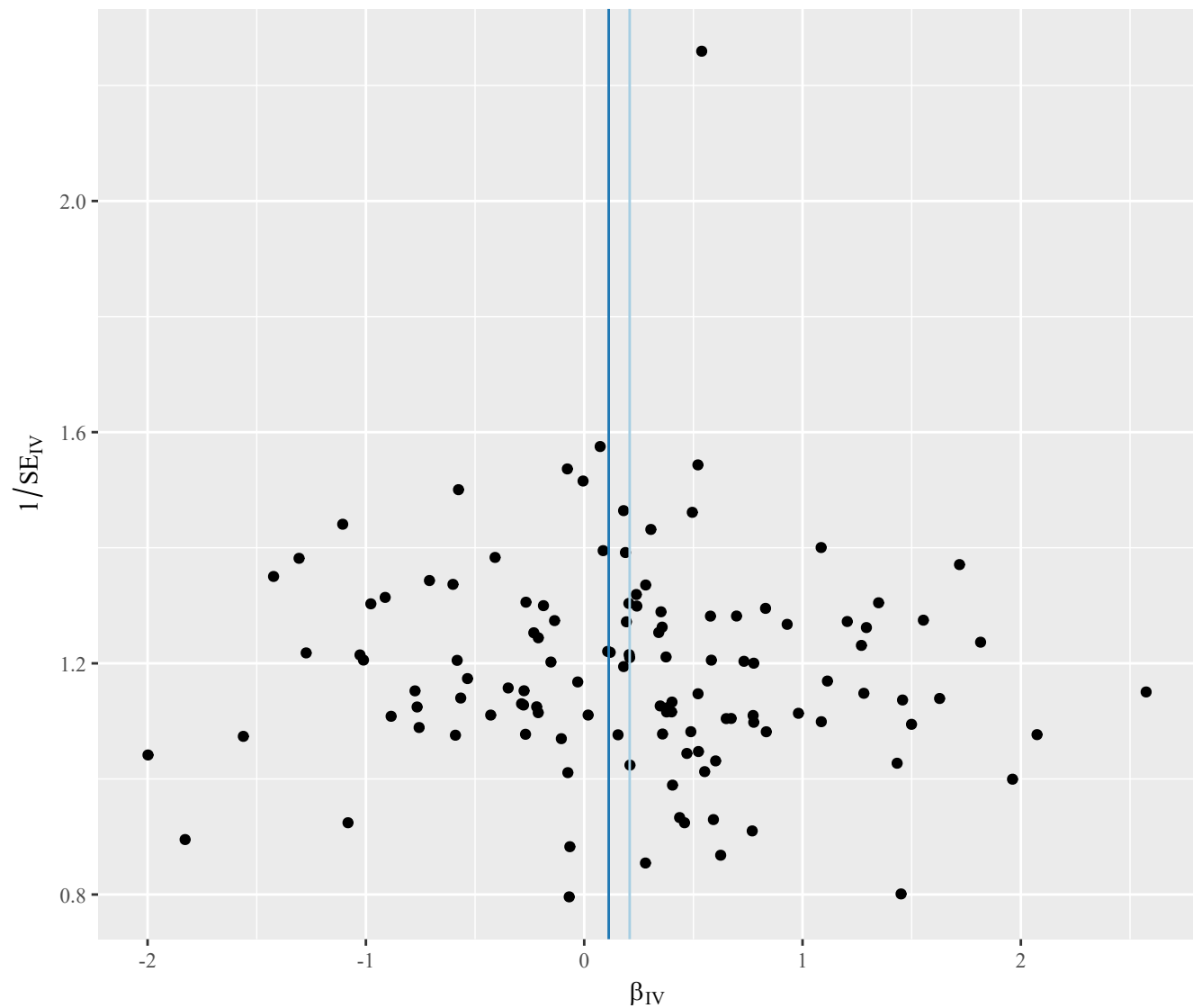
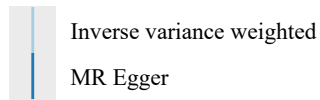
MR Method



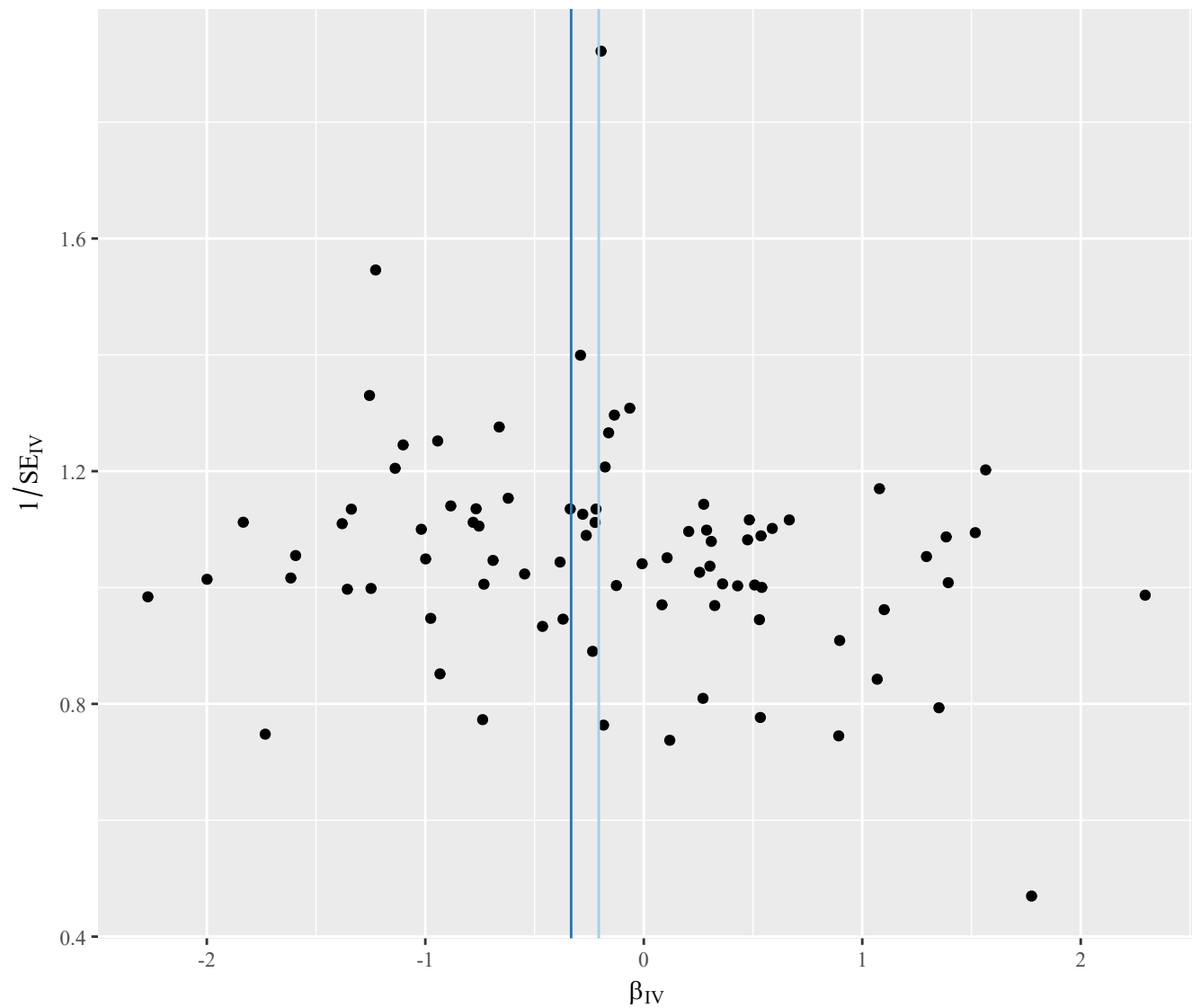
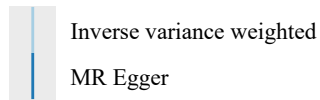
MR Method



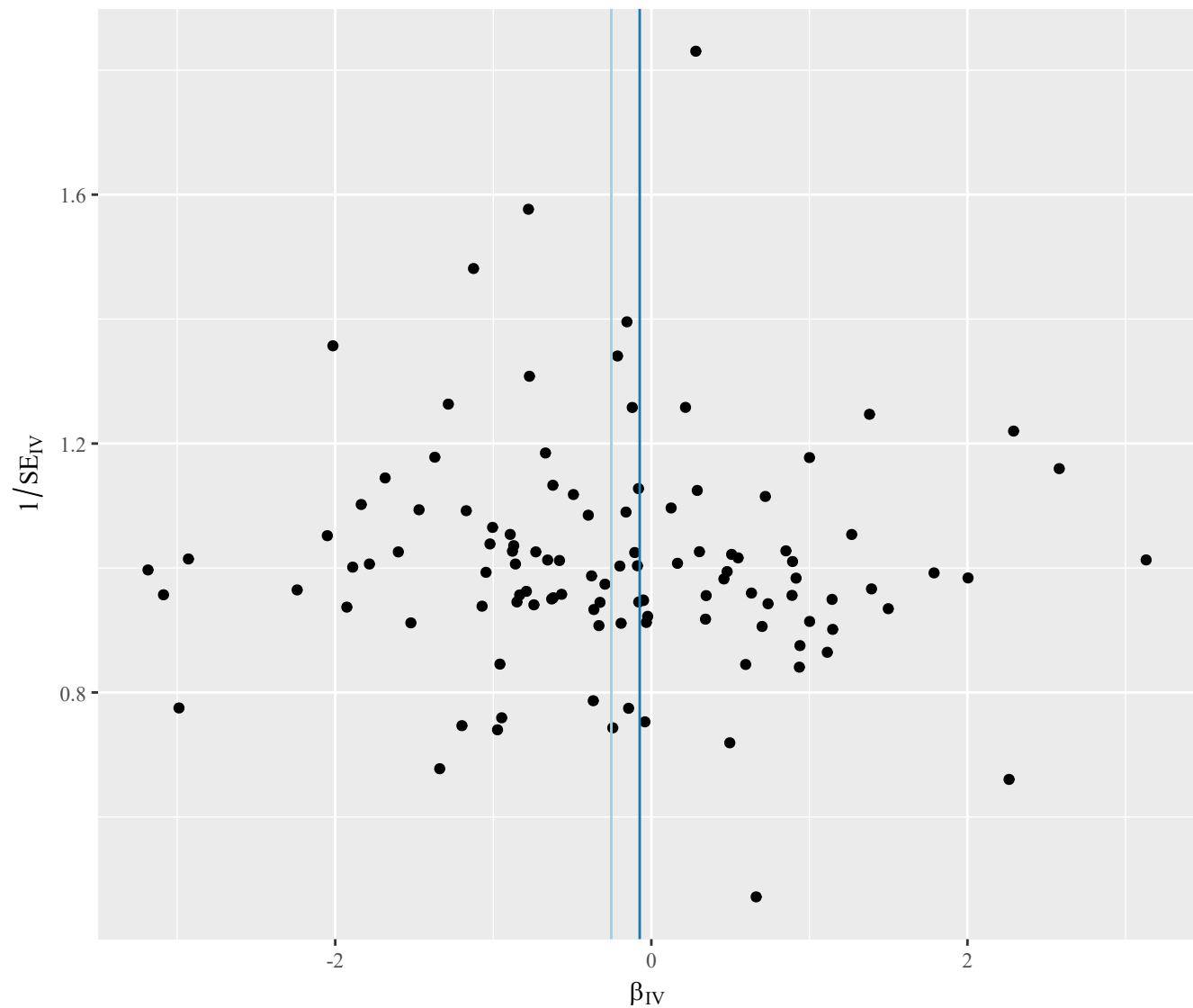
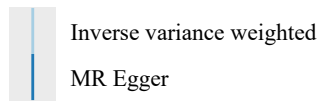
MR Method



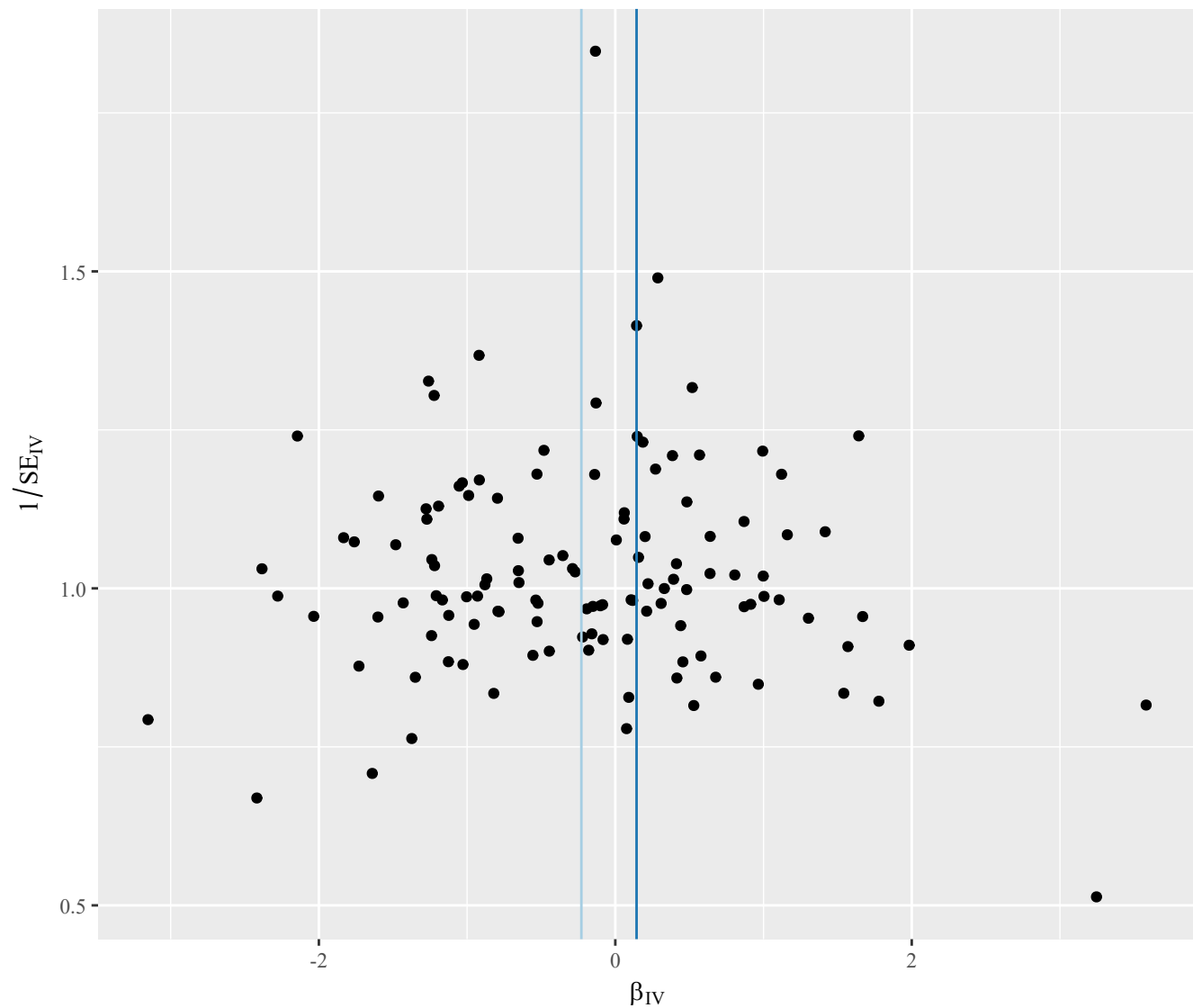
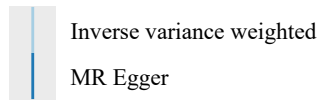
MR Method



MR Method

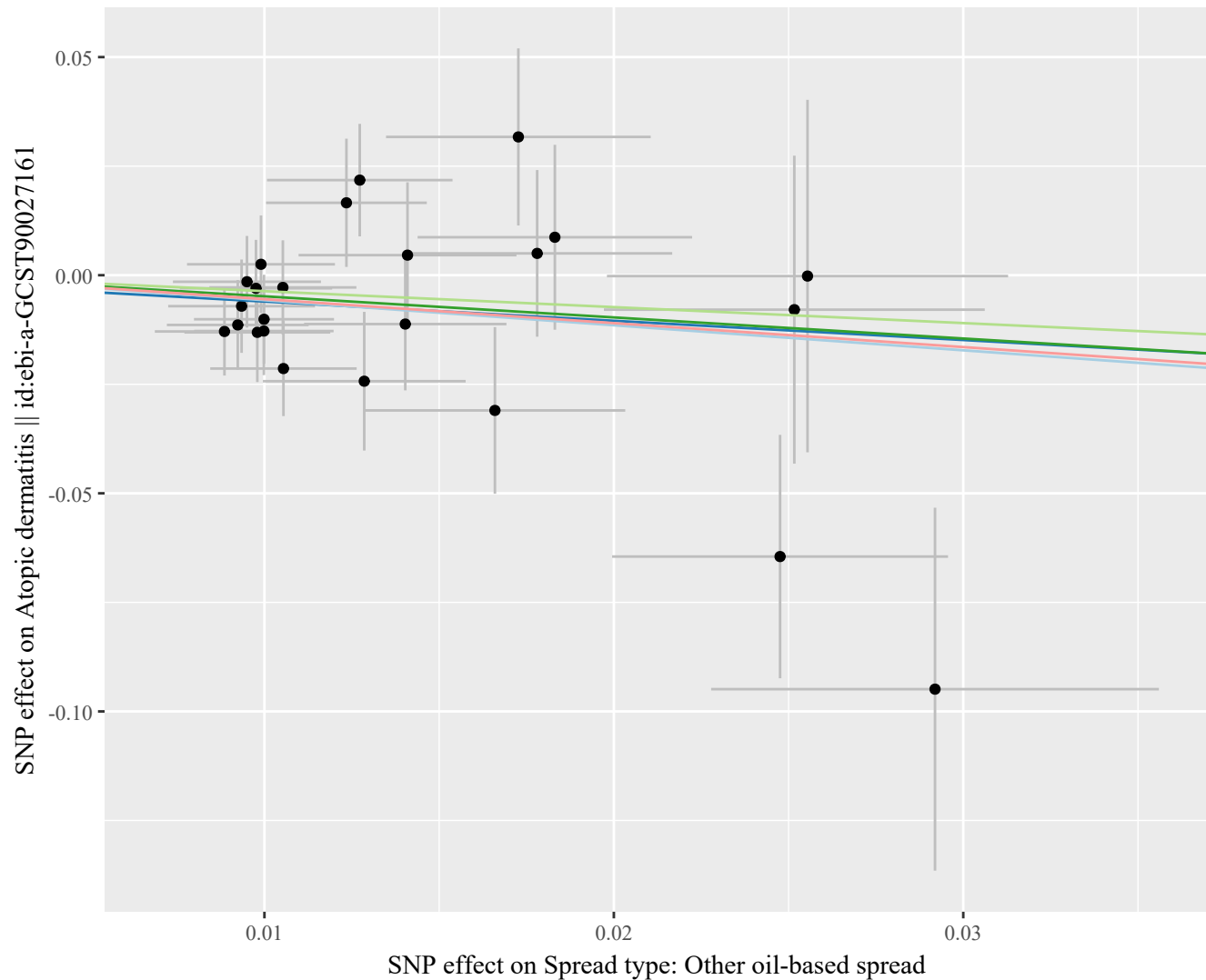


MR Method



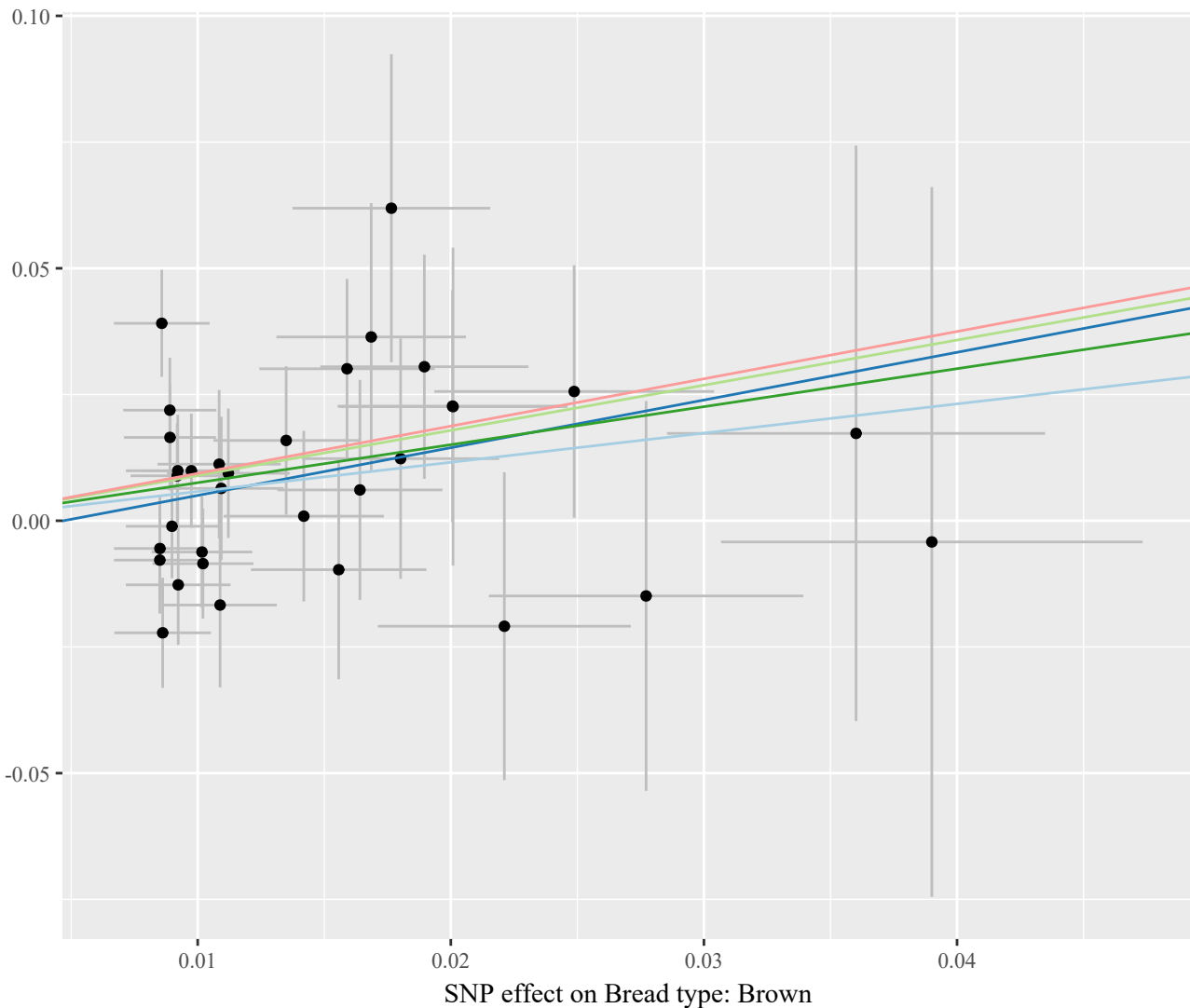
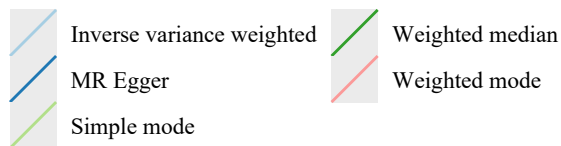
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode



SNP effect on Atopic dermatitis || id:ebi-a-GCST90027161

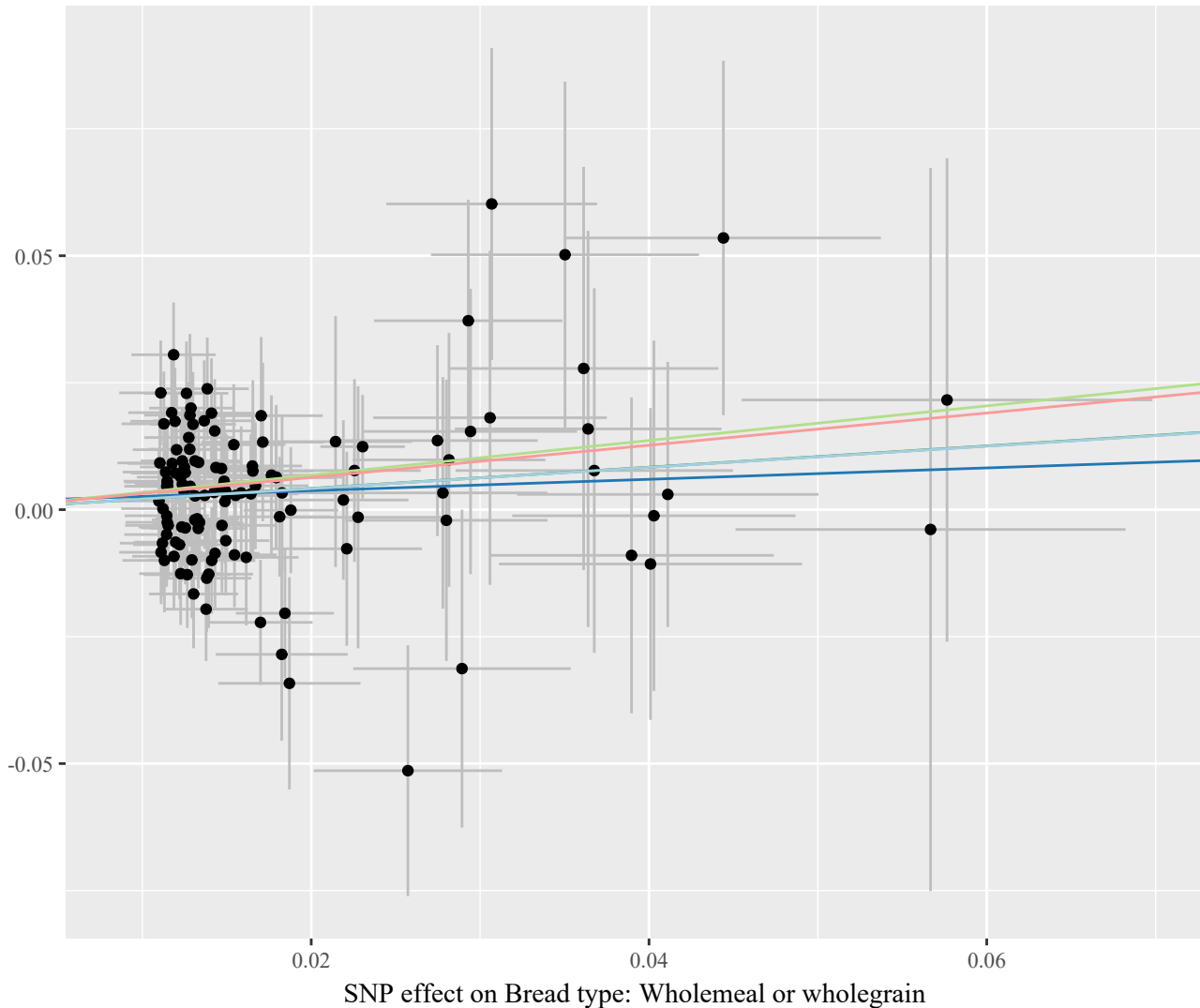
MR Test



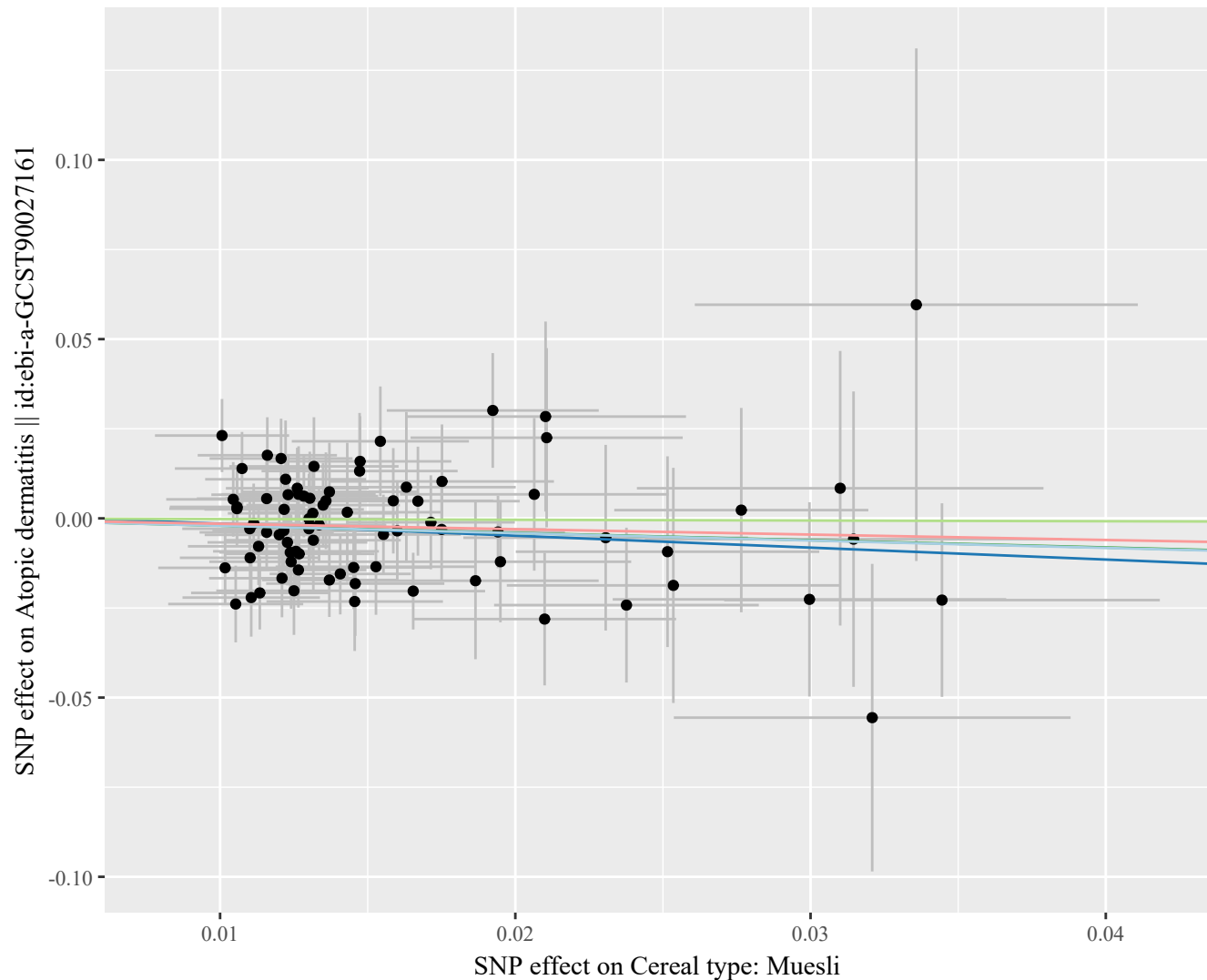
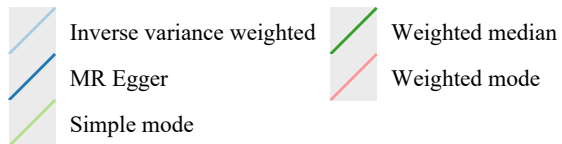
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

SNP effect on Atopic dermatitis || id:ebi-a-GCST90027161



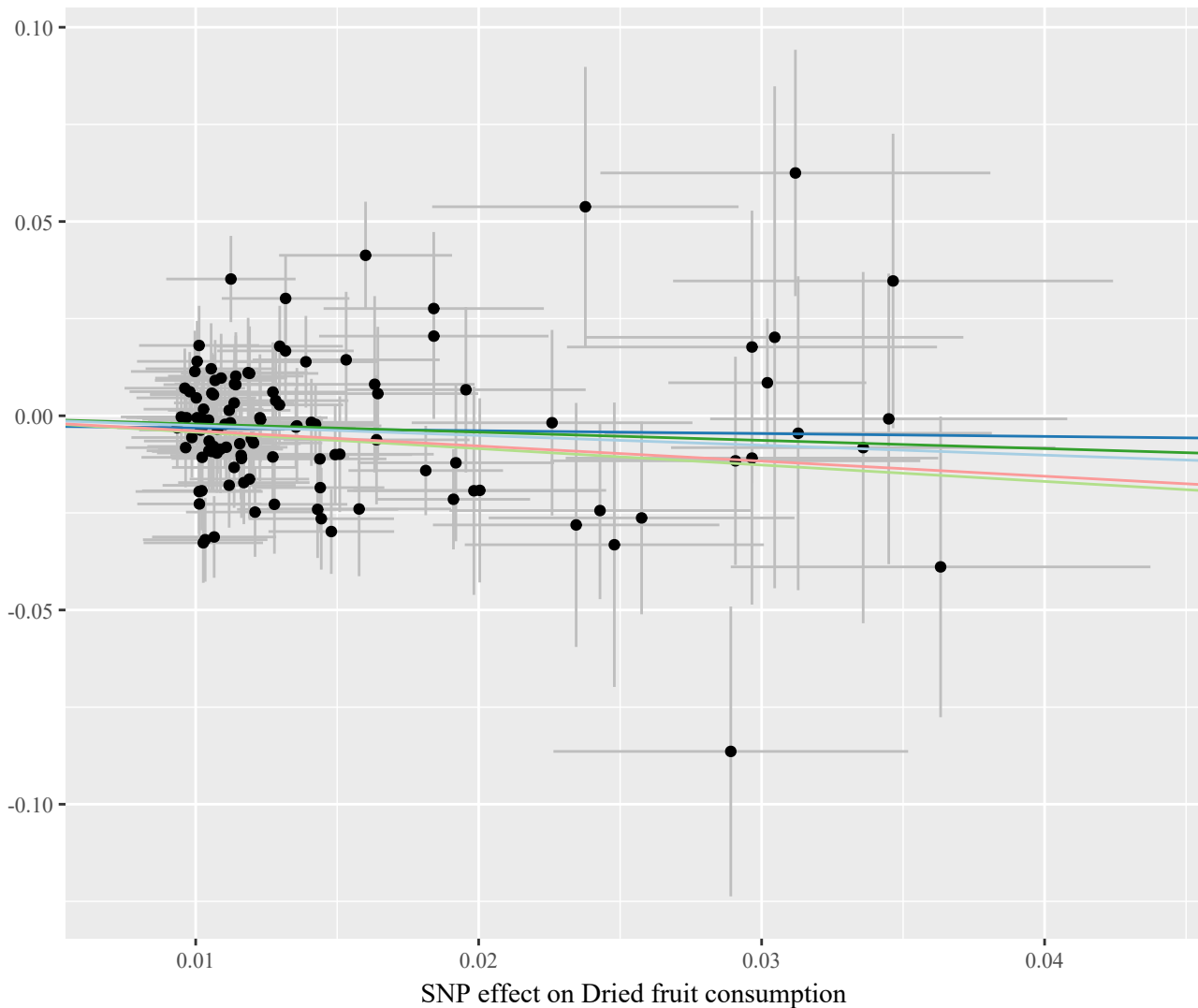
MR Test



SNP effect on Atopic dermatitis || id:ebi-a-GCST90027161

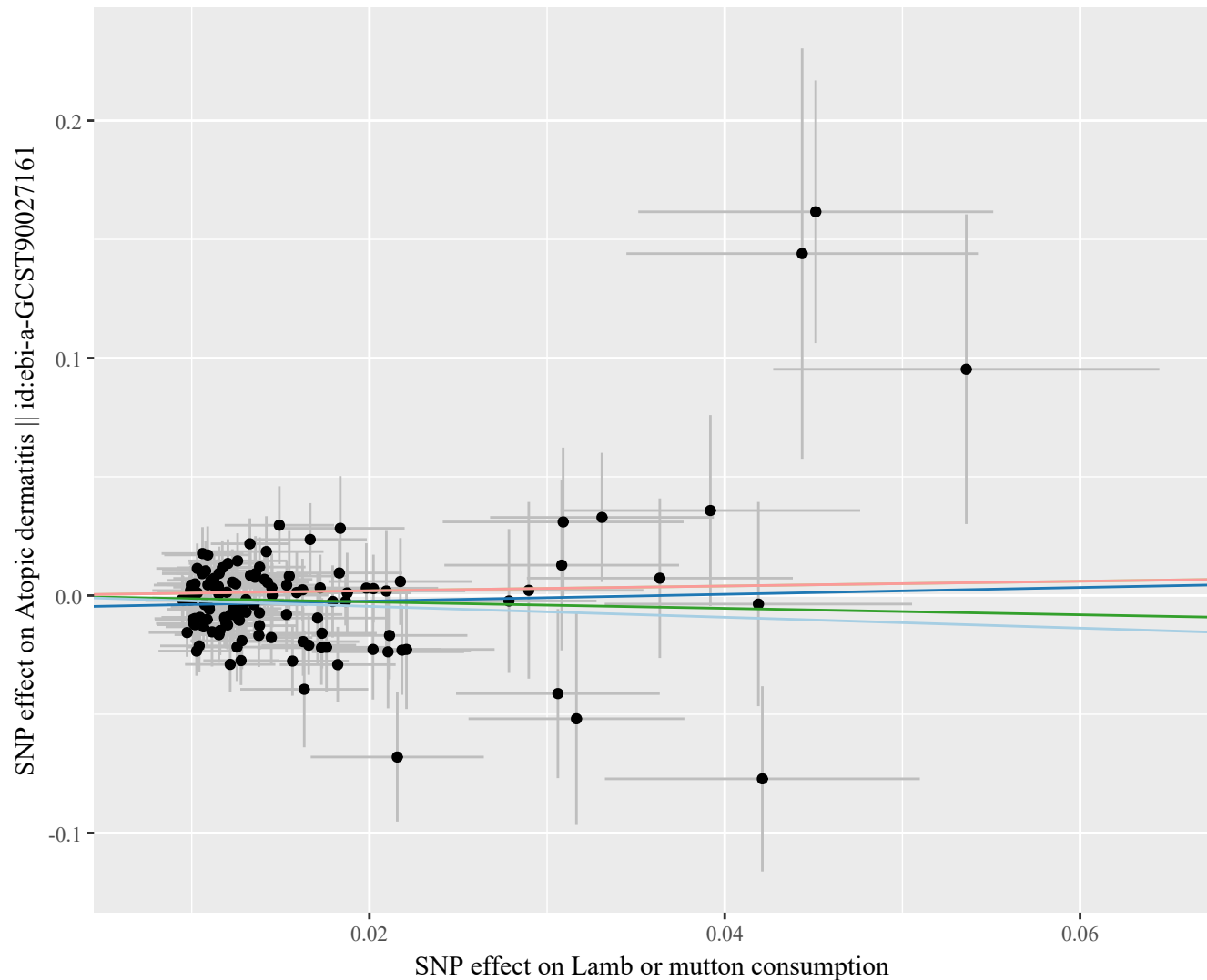
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

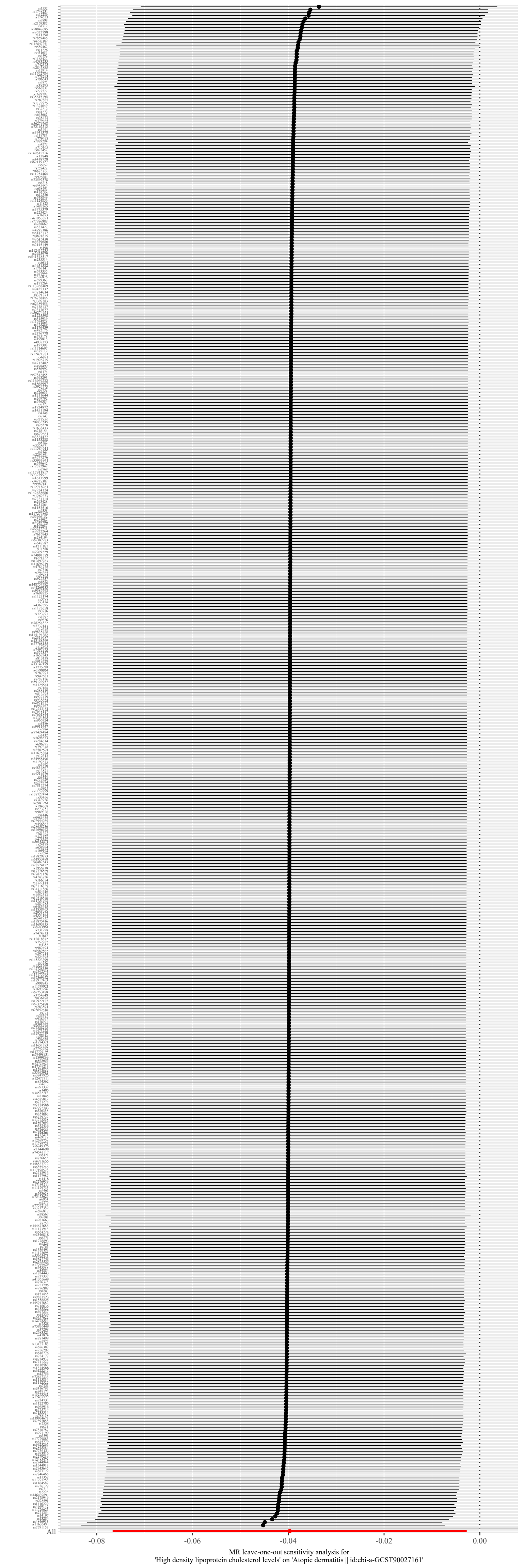


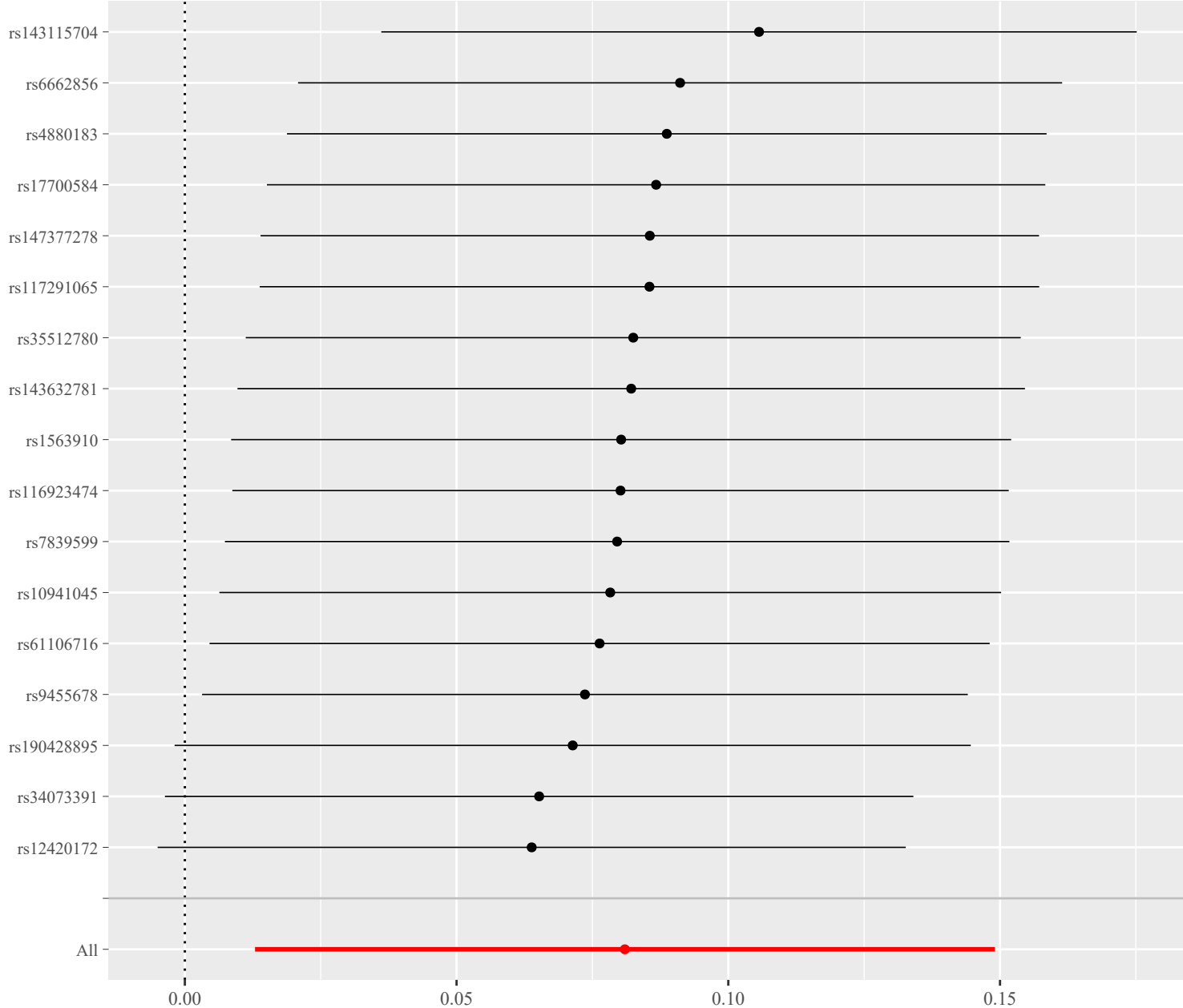
MR Test

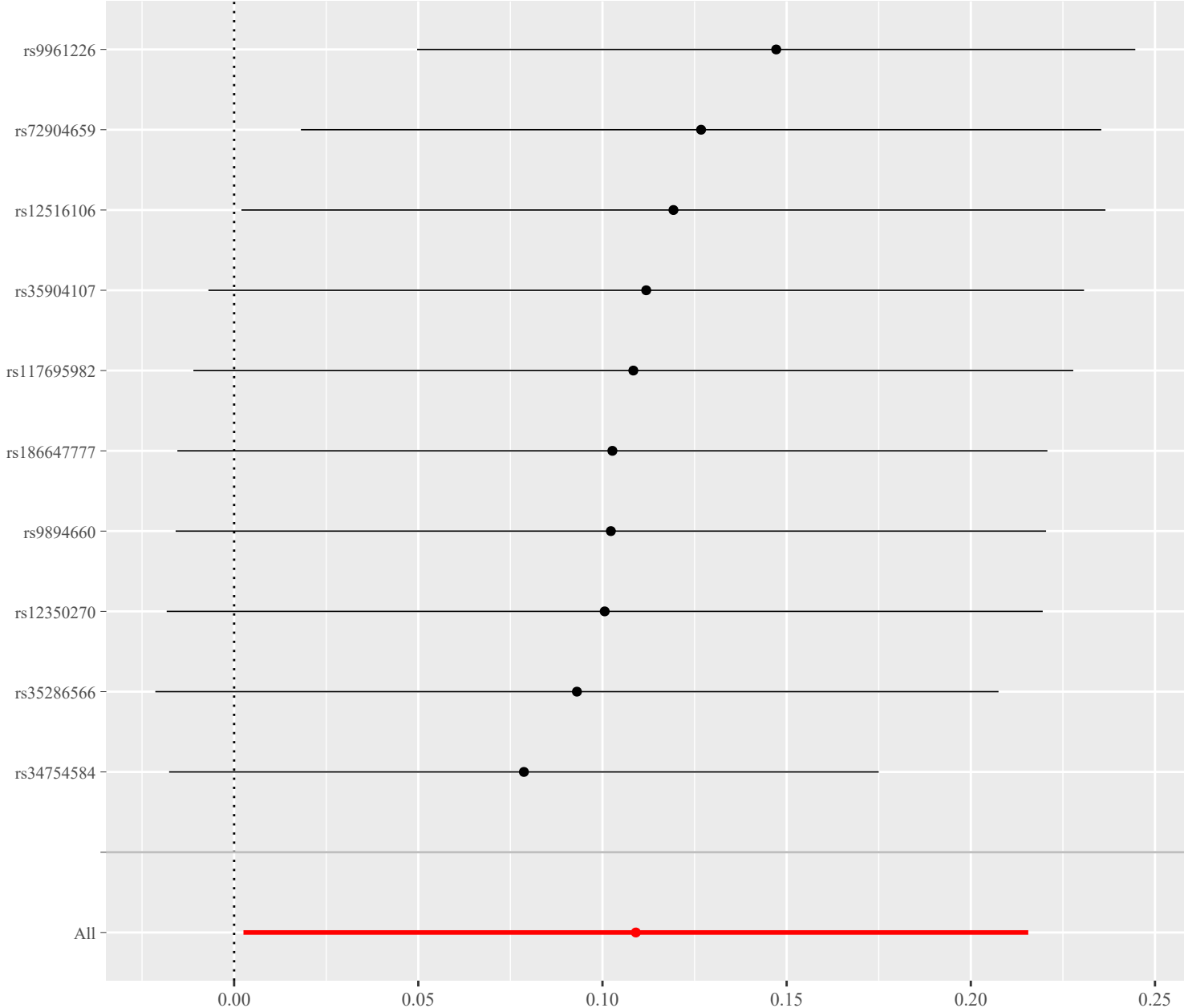
- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode



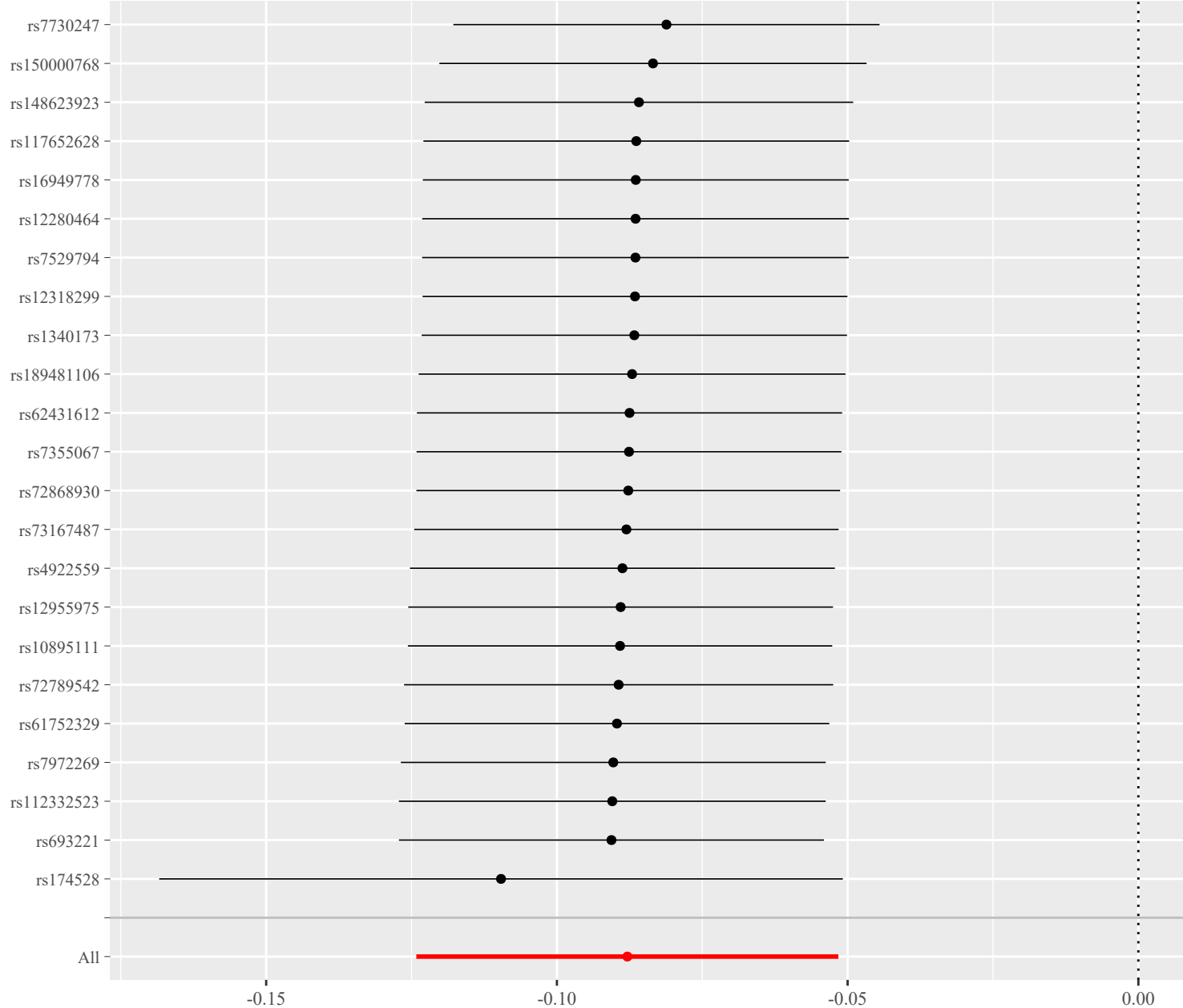
8. Supplementary Dataset 2: Leave-one-out, funnel, and scatter plots for lipidomics and atopic dermatitis (37 datasets). Analyses indicated no influential outliers or bias.

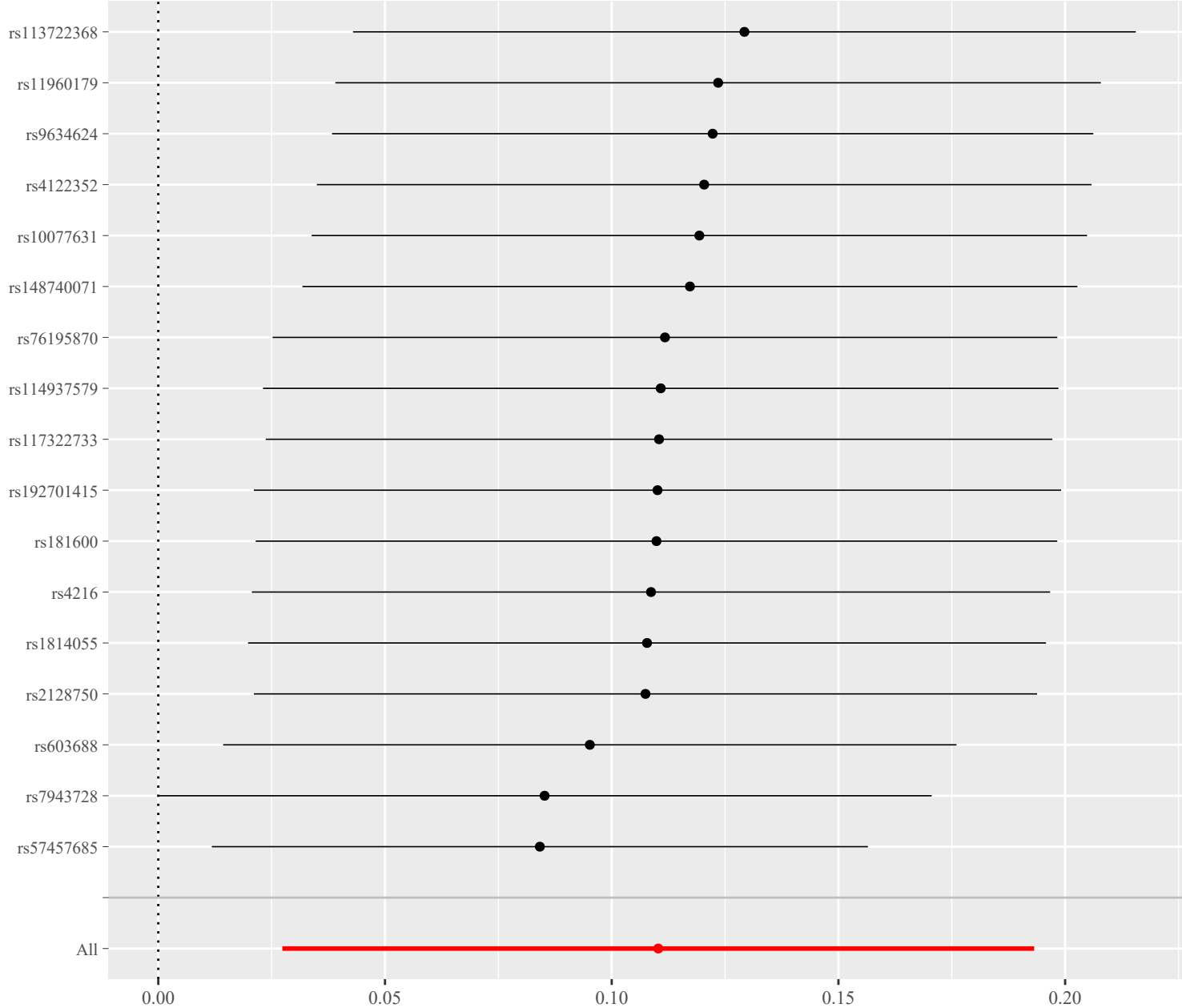


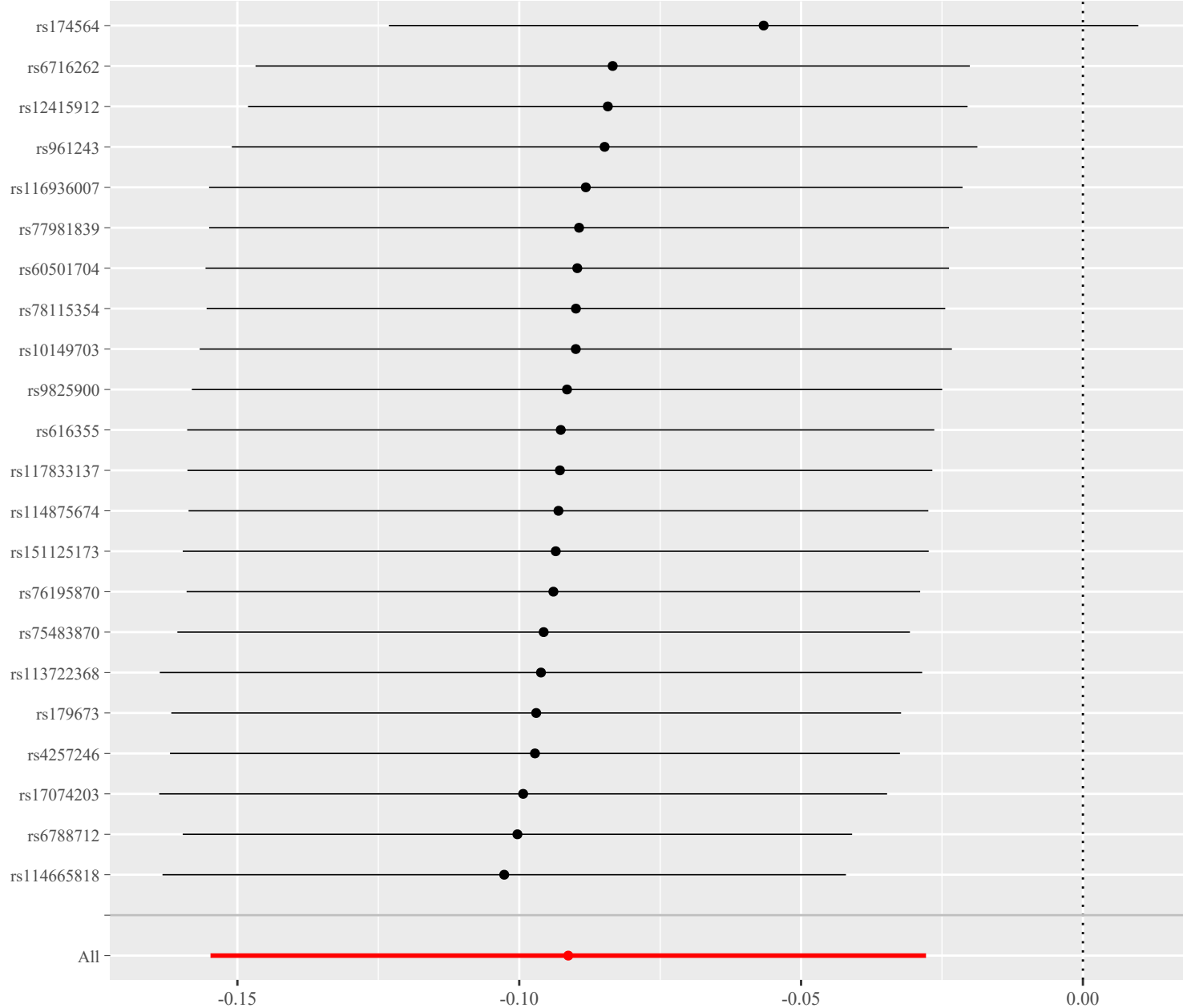




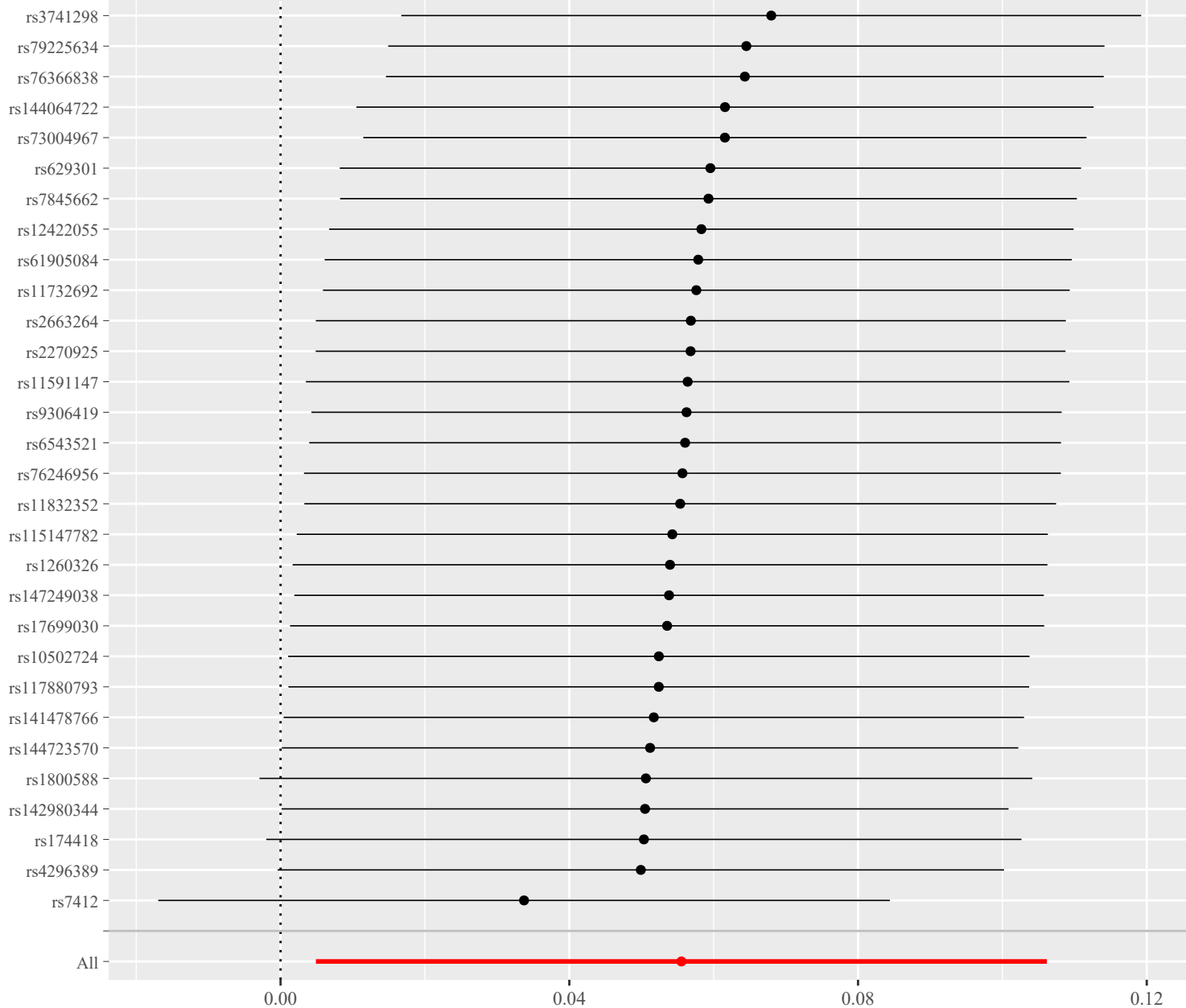
MR leave-one-out sensitivity analysis for
'Hydroxyoctadecenoylcarnitine' on 'Atopic dermatitis' || id:ebi-a-GCST90027161'

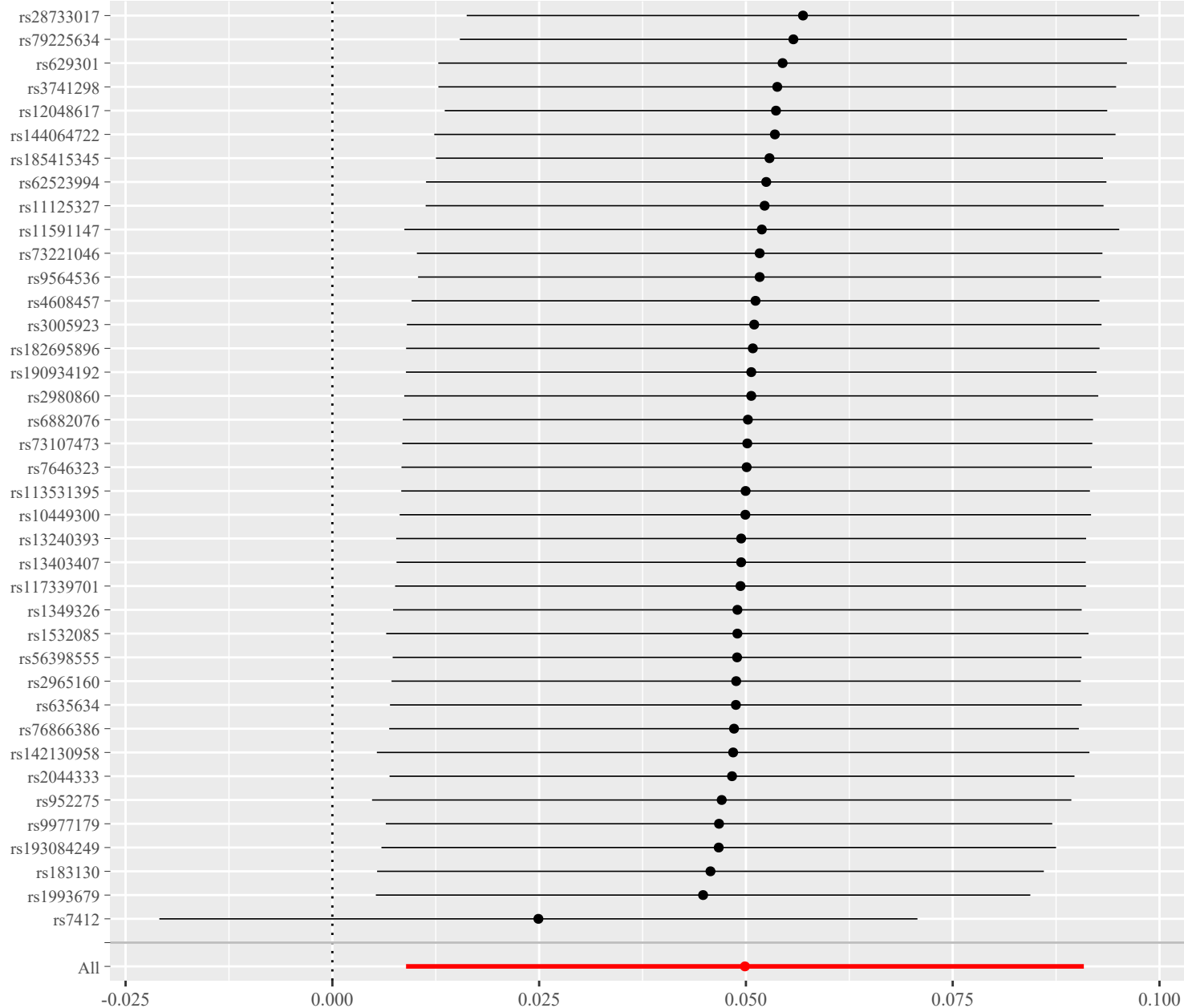


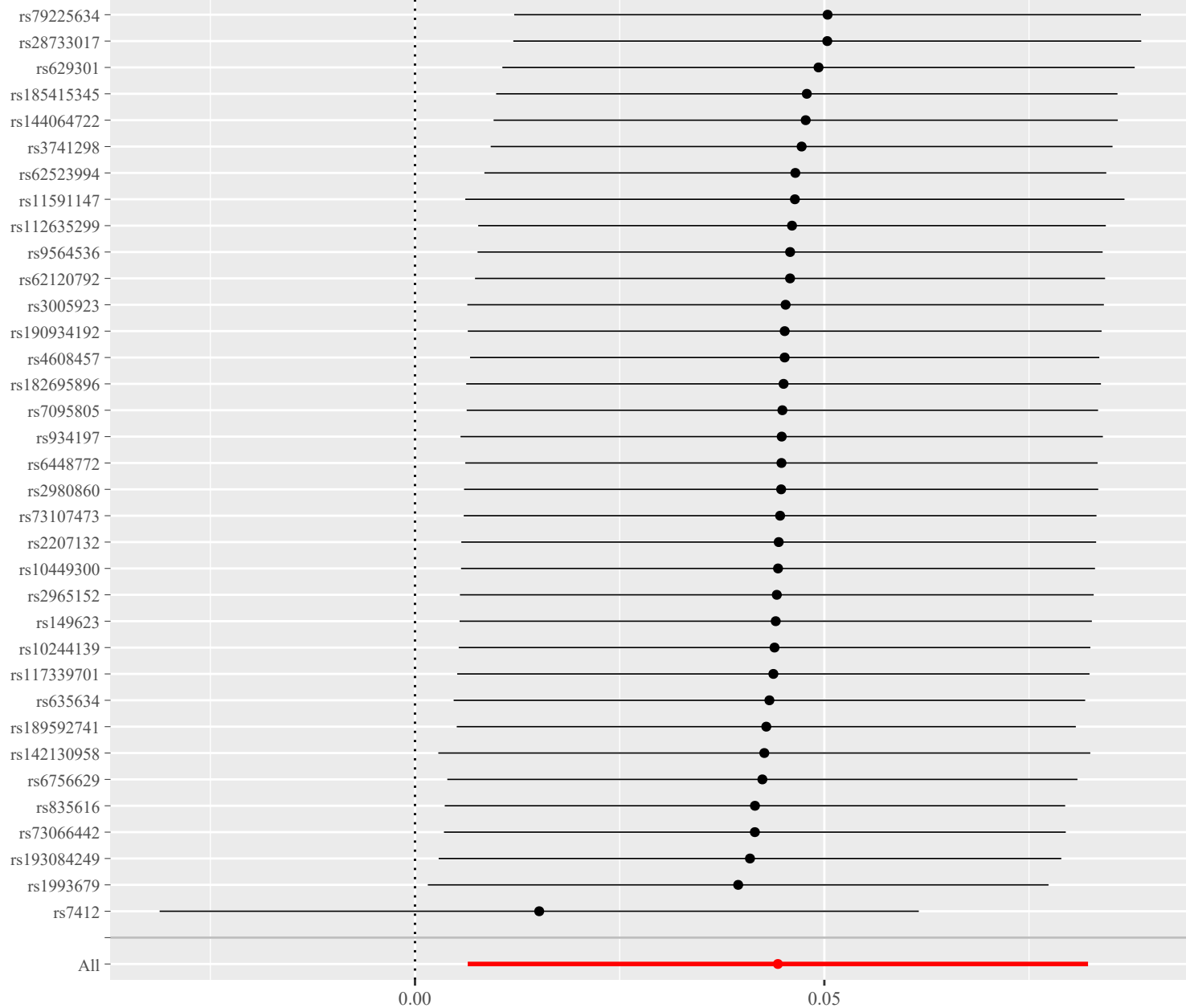


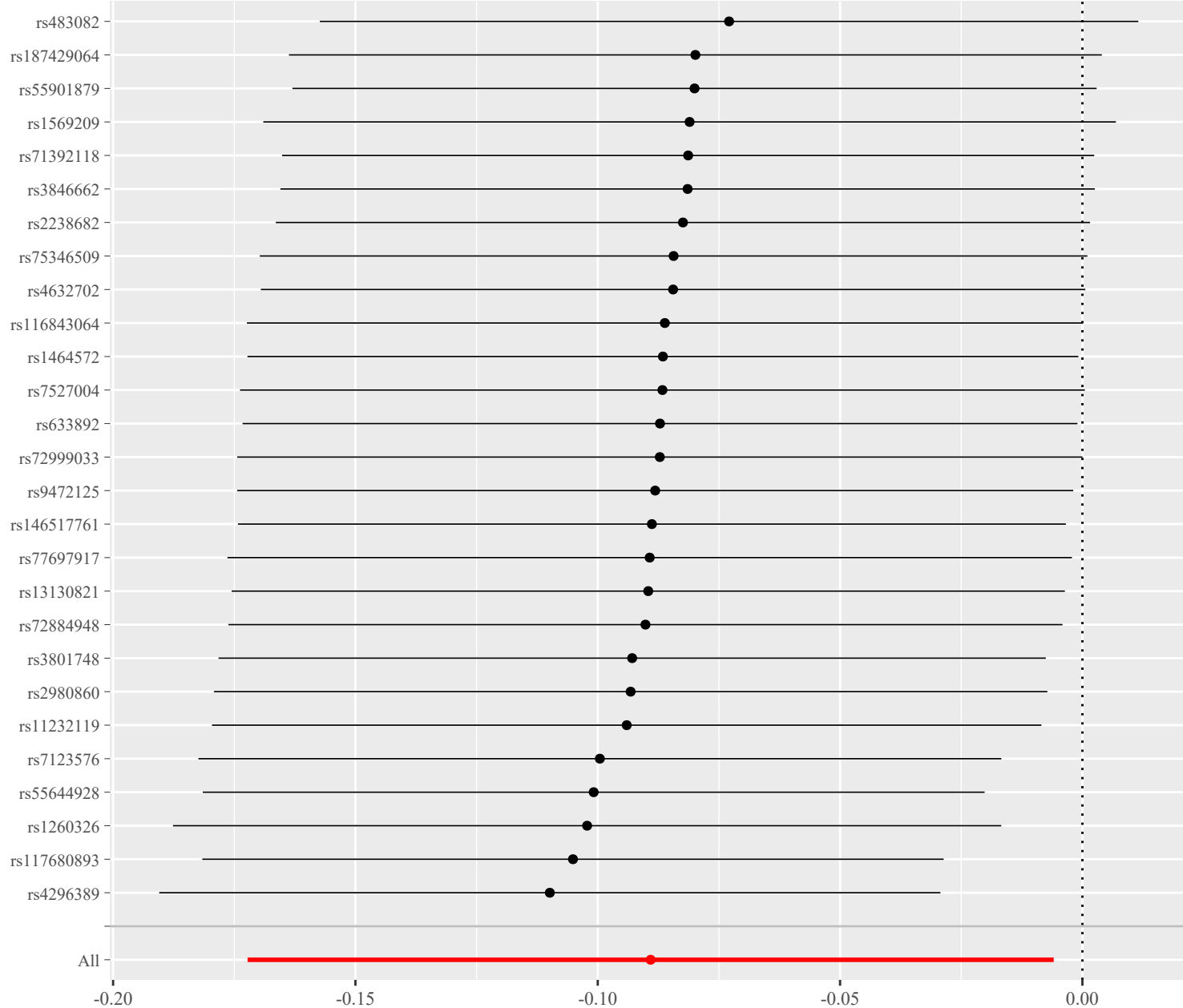


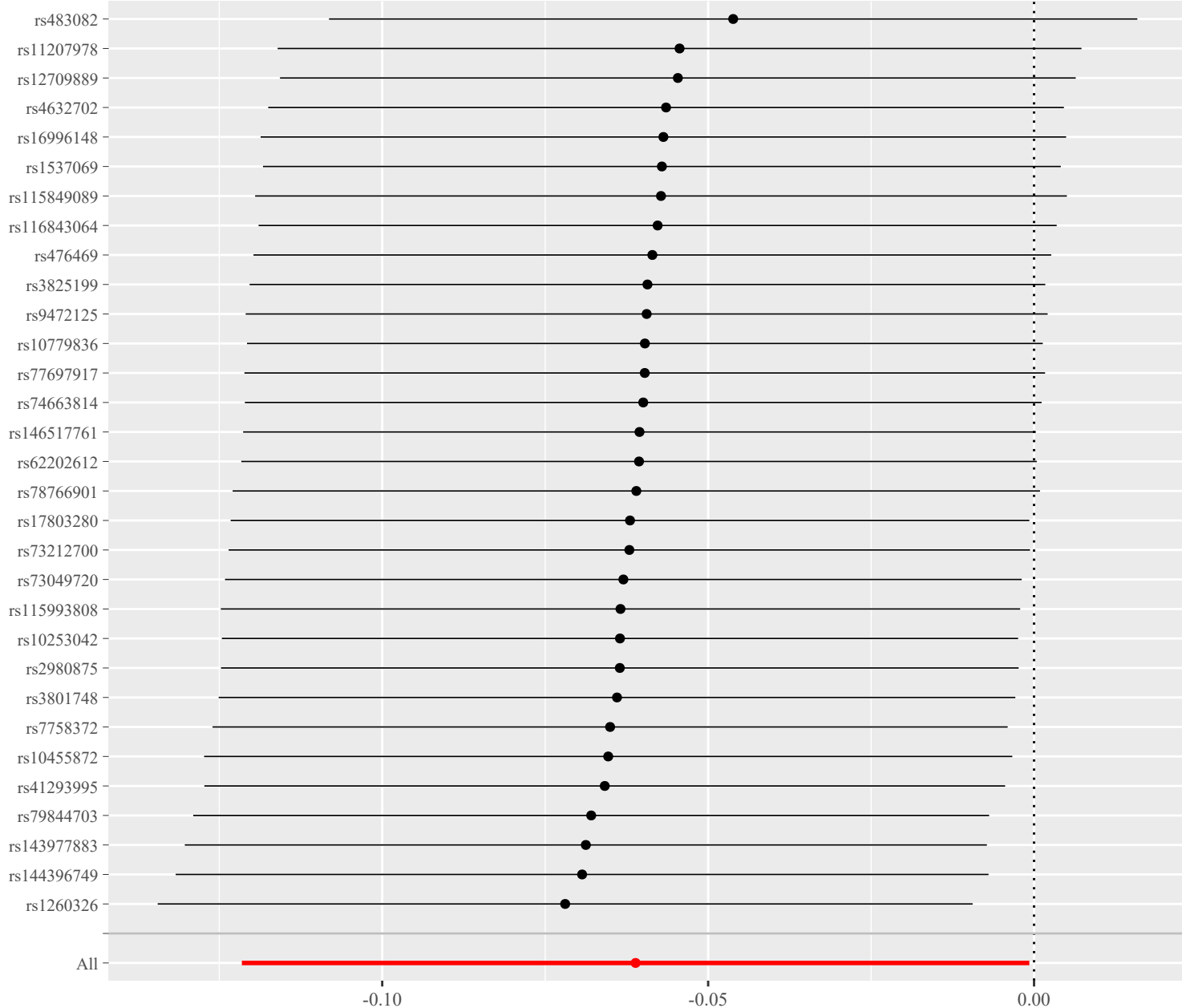
MR leave-one-out sensitivity analysis for
'lysoPC a C28:1' on 'Atopic dermatitis || id:ebi-a-GCST90027161'



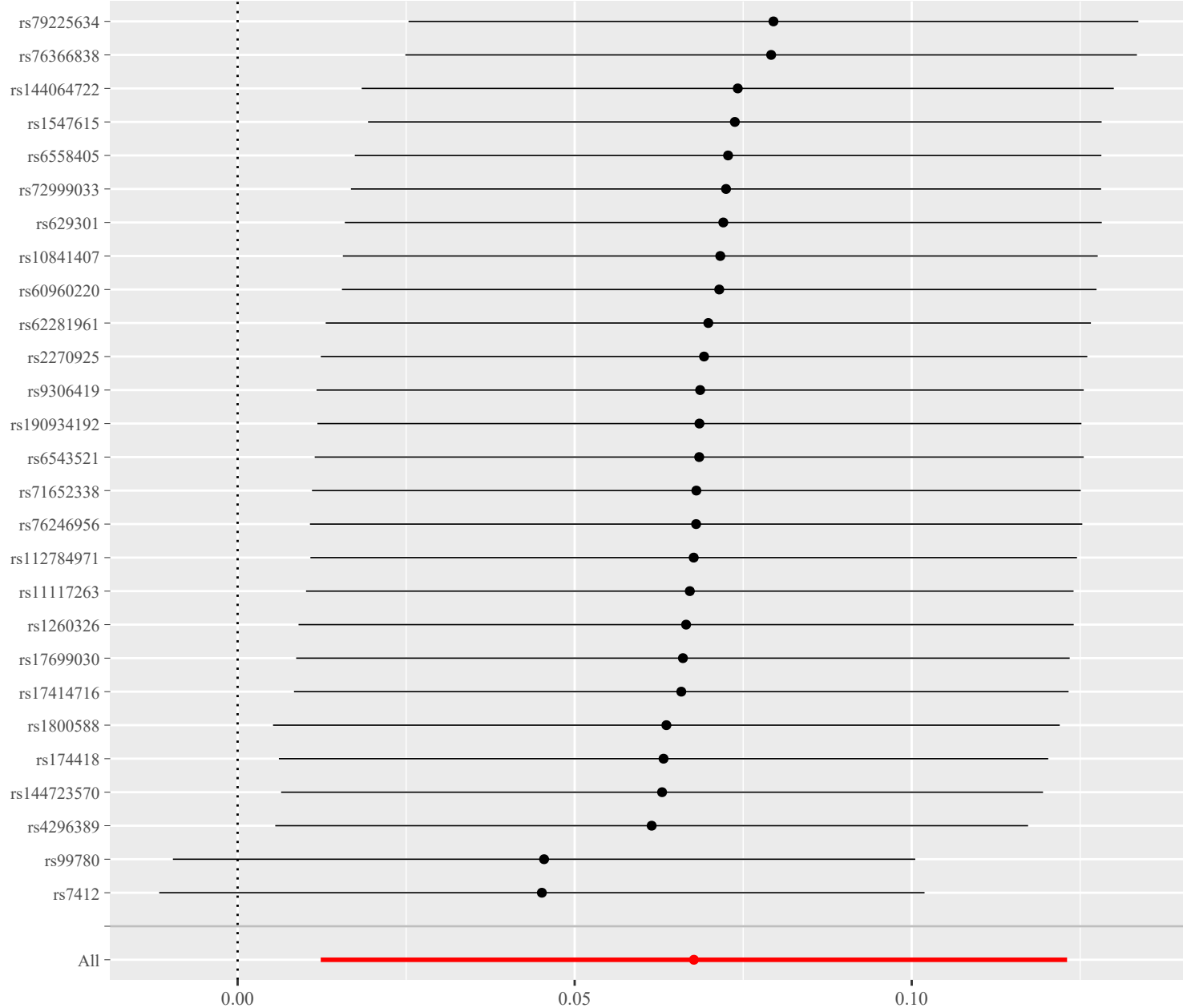


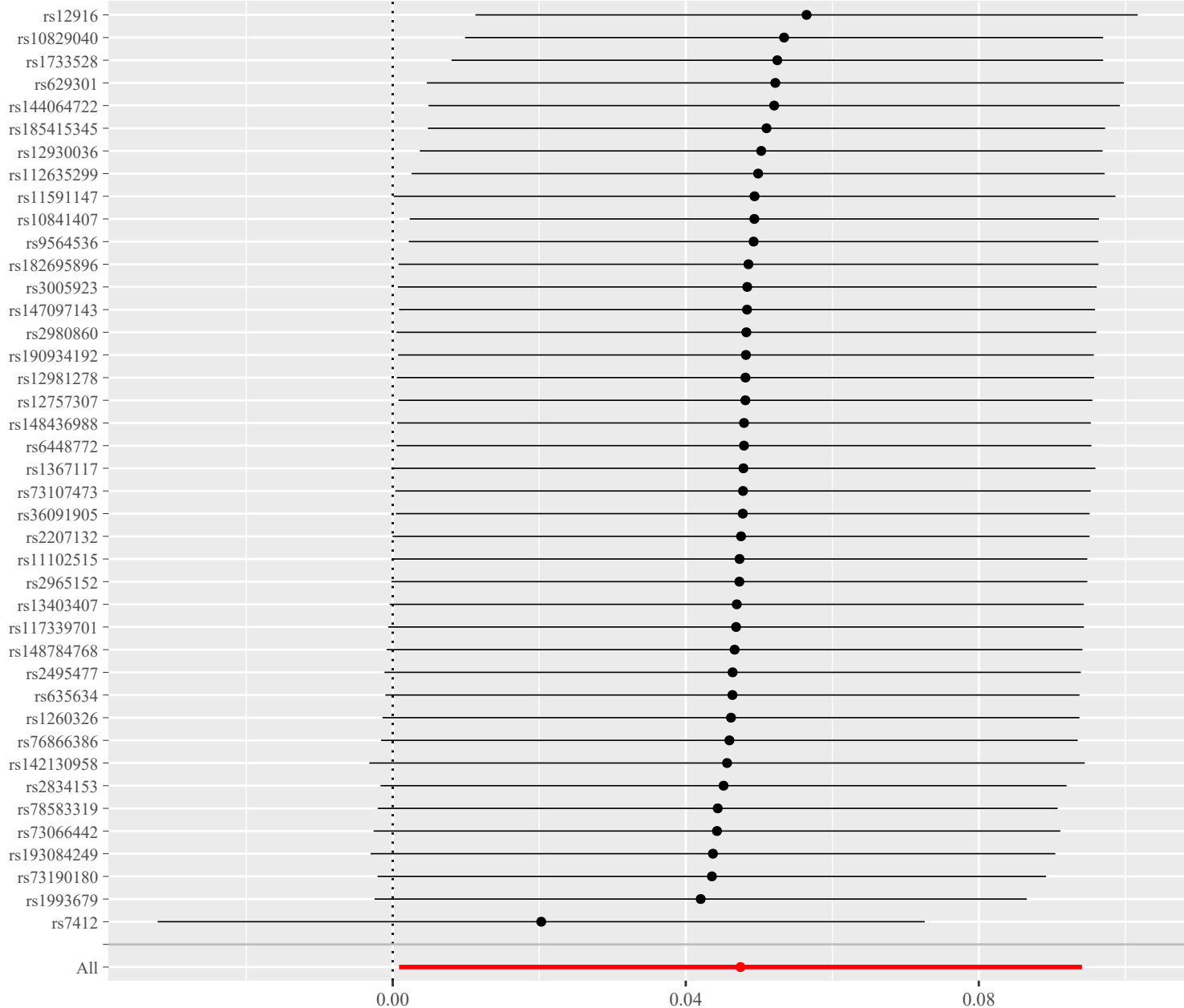




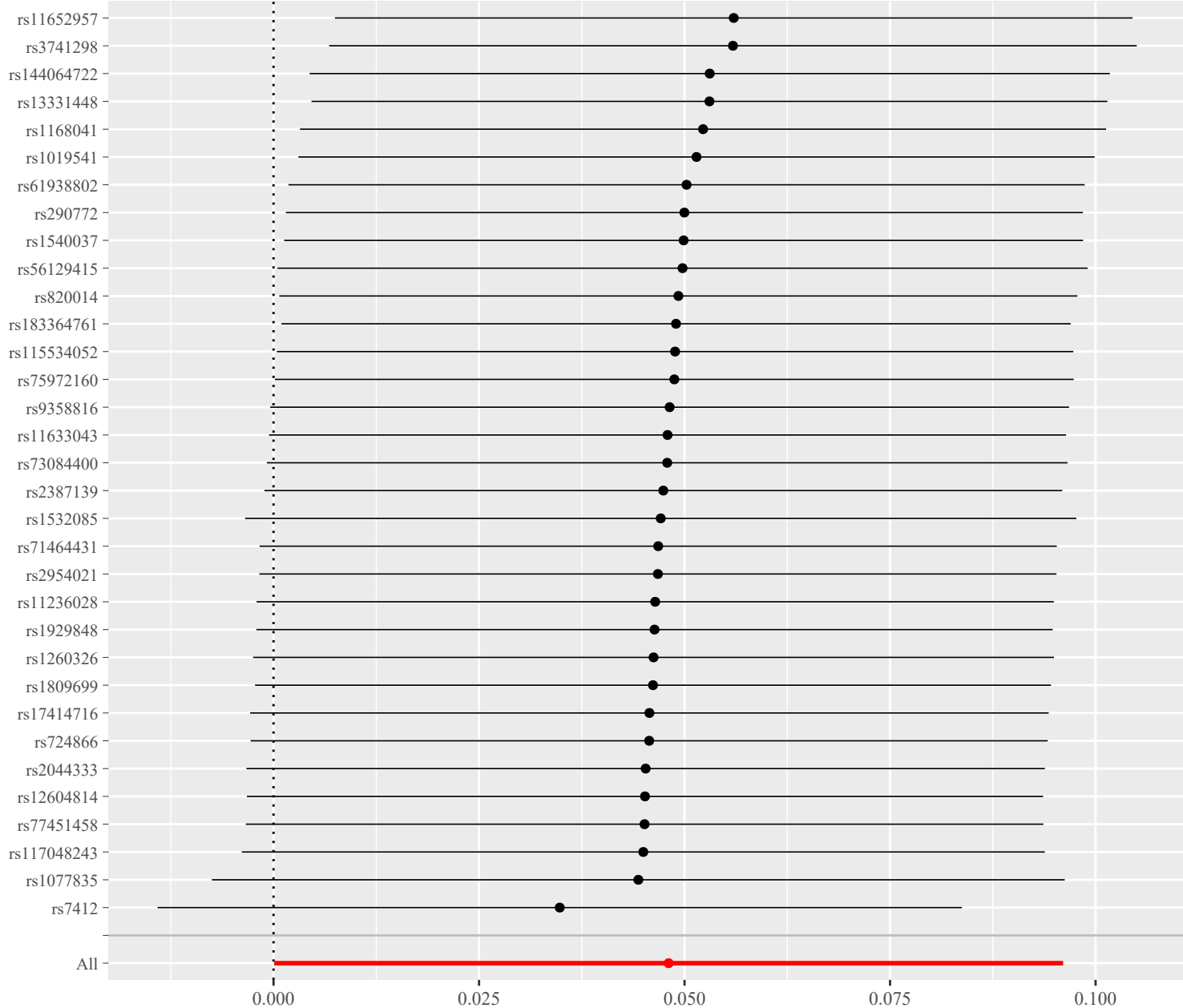


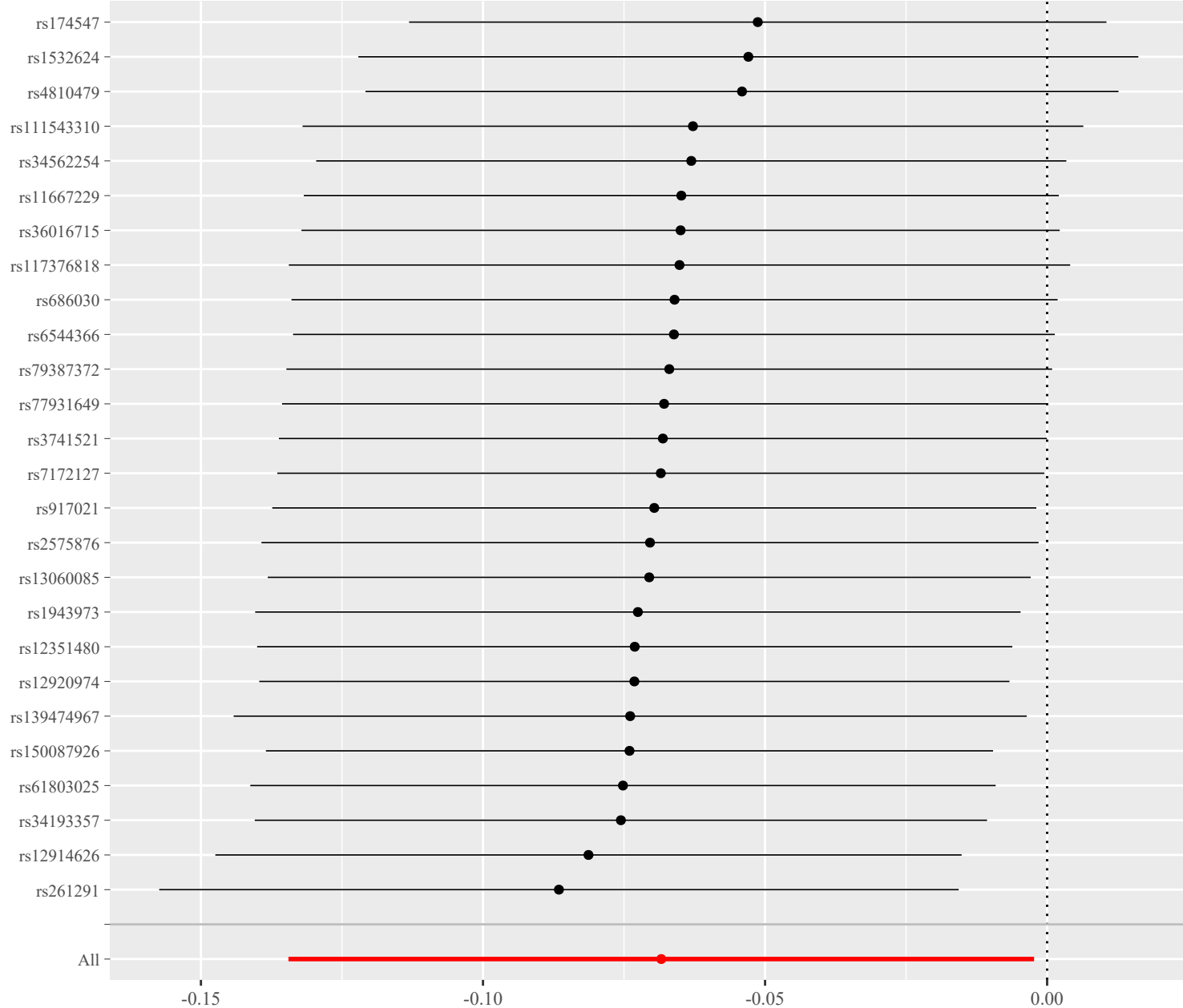
MR leave-one-out sensitivity analysis for
'Total lipids in large VLDL || id:met-c-889' on 'Atopic dermatitis || id:ebi-a-GCST90027161'



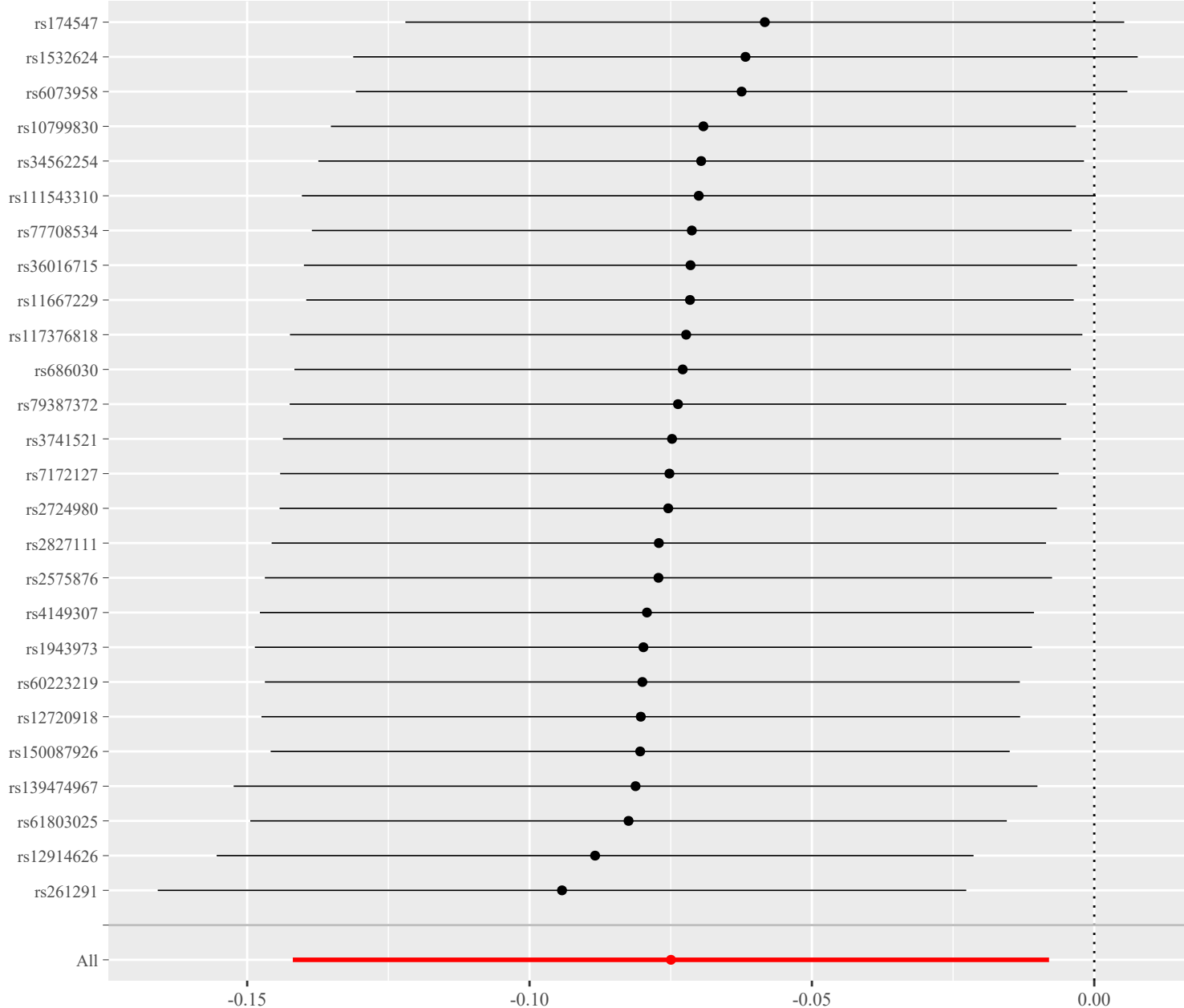


MR leave-one-out sensitivity analysis for
'Total lipids in small LDL || id:met-c-925' on 'Atopic dermatitis || id:ebi-a-GCST90027161'

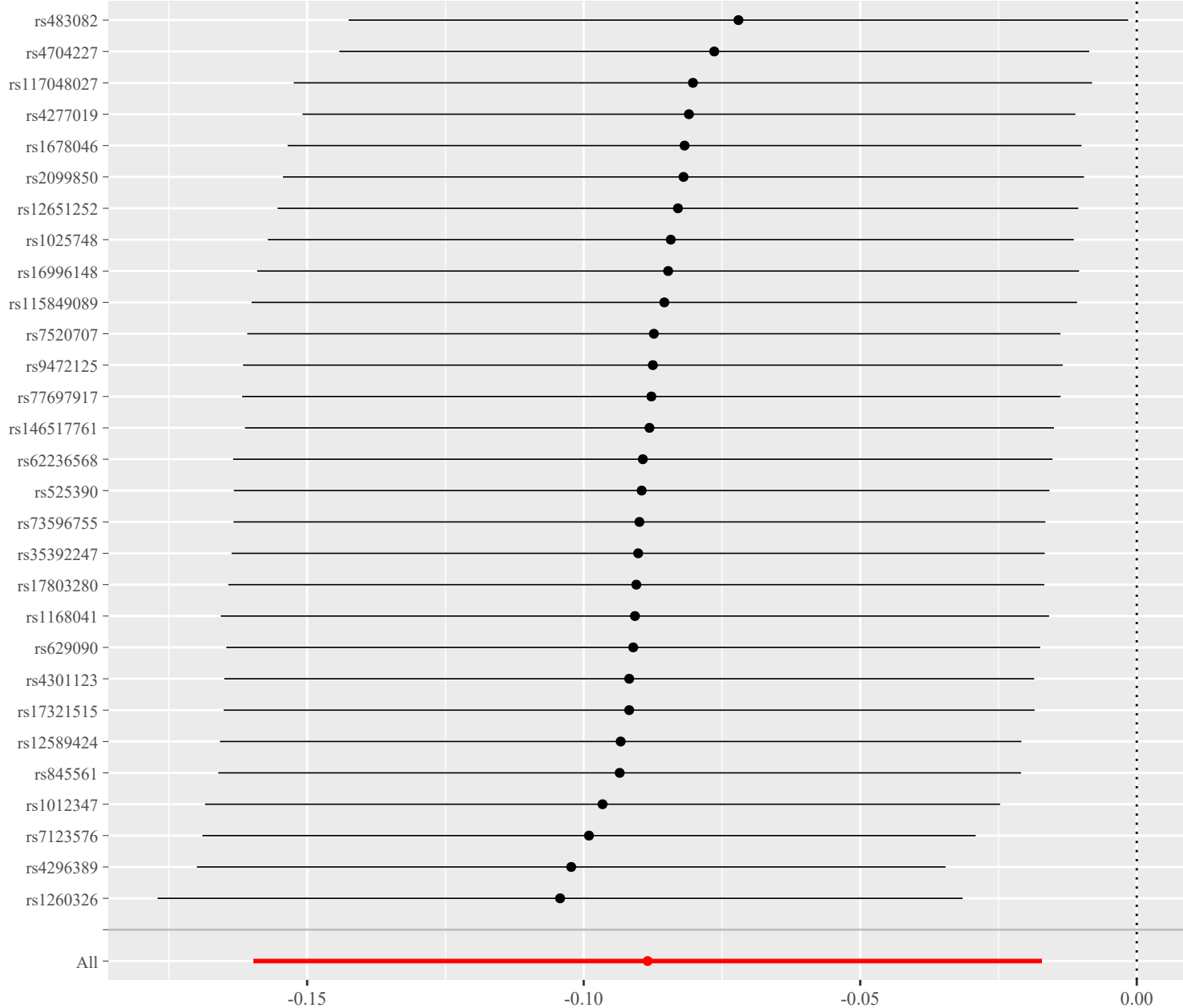




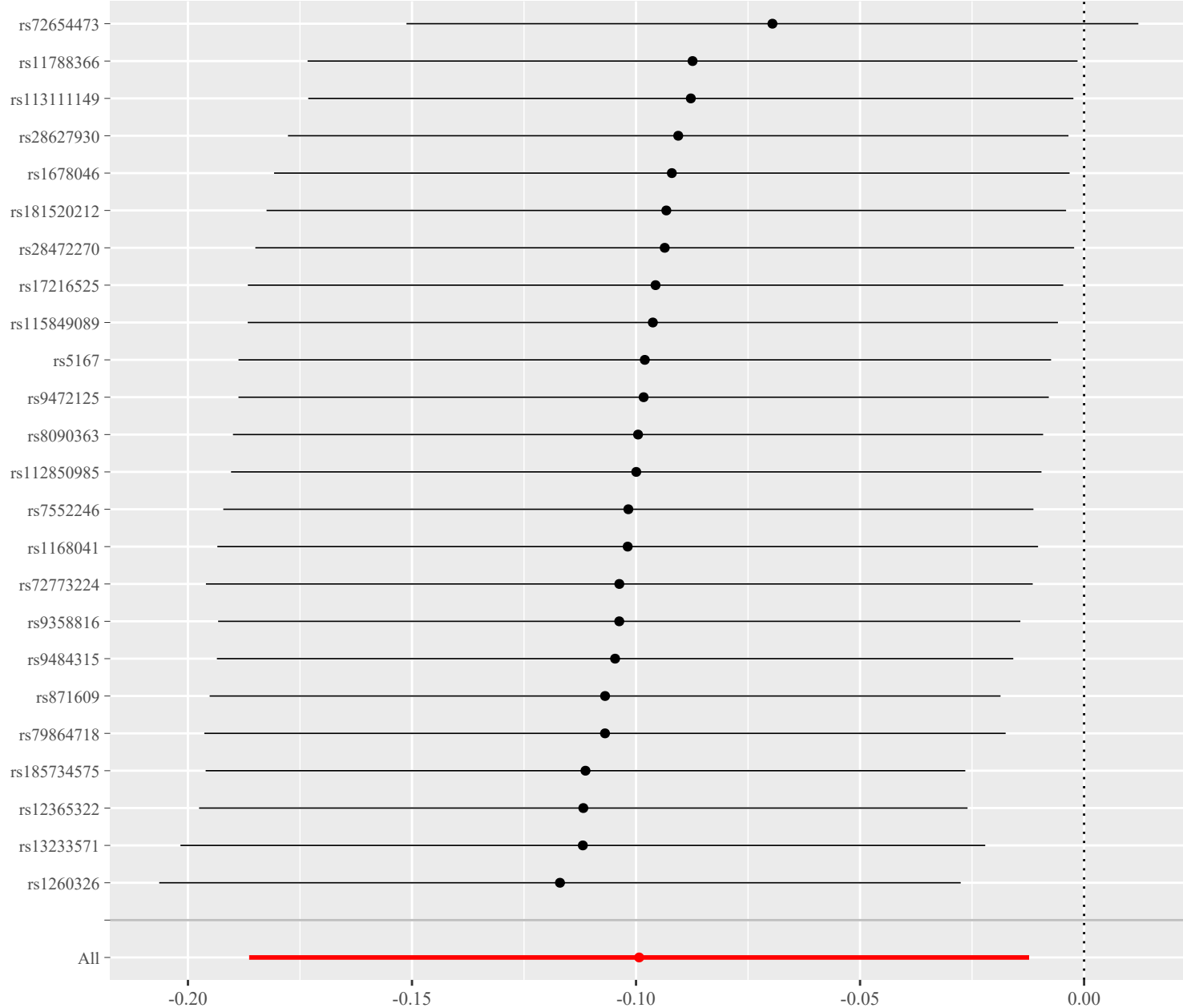
MR leave-one-out sensitivity analysis for
'Total cholesterol in very large HDL || id:met-c-942' on 'Atopic dermatitis || id:ebi-a-GCST90027161'

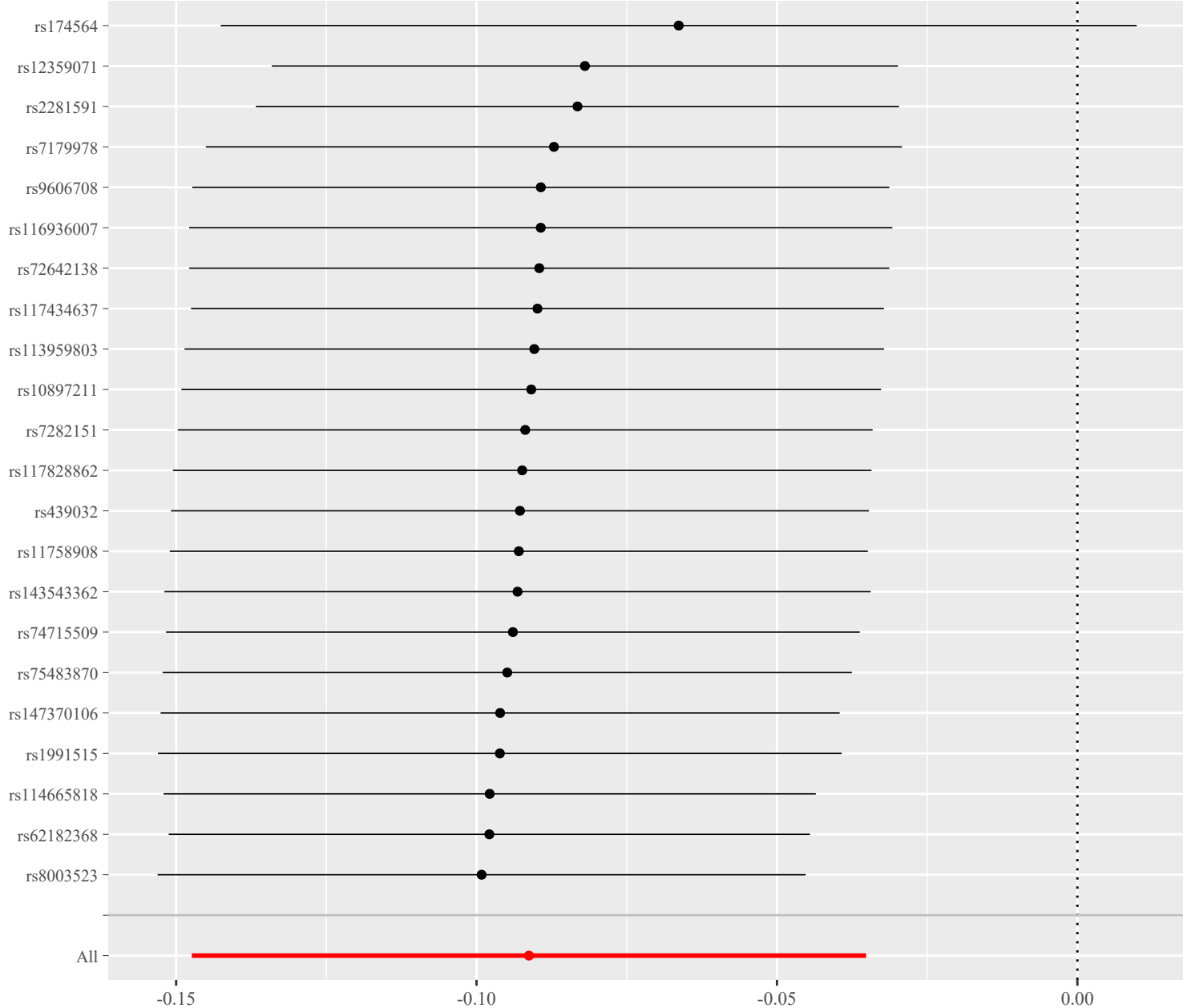


MR leave-one-out sensitivity analysis for
'Cholesterol esters in very large HDL || id:met-c-943' on 'Atopic dermatitis || id:ebi-a-GCST90027161'

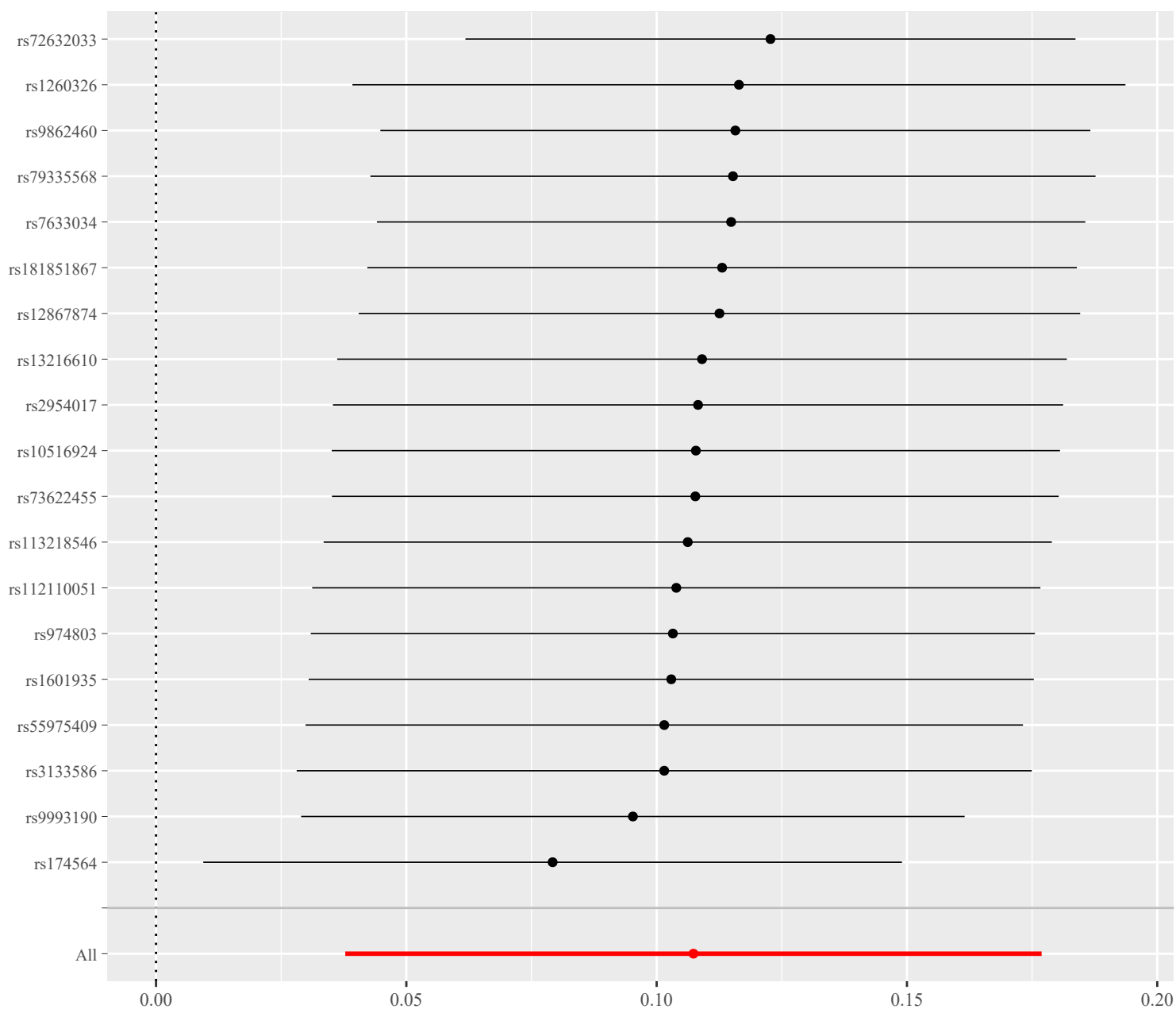


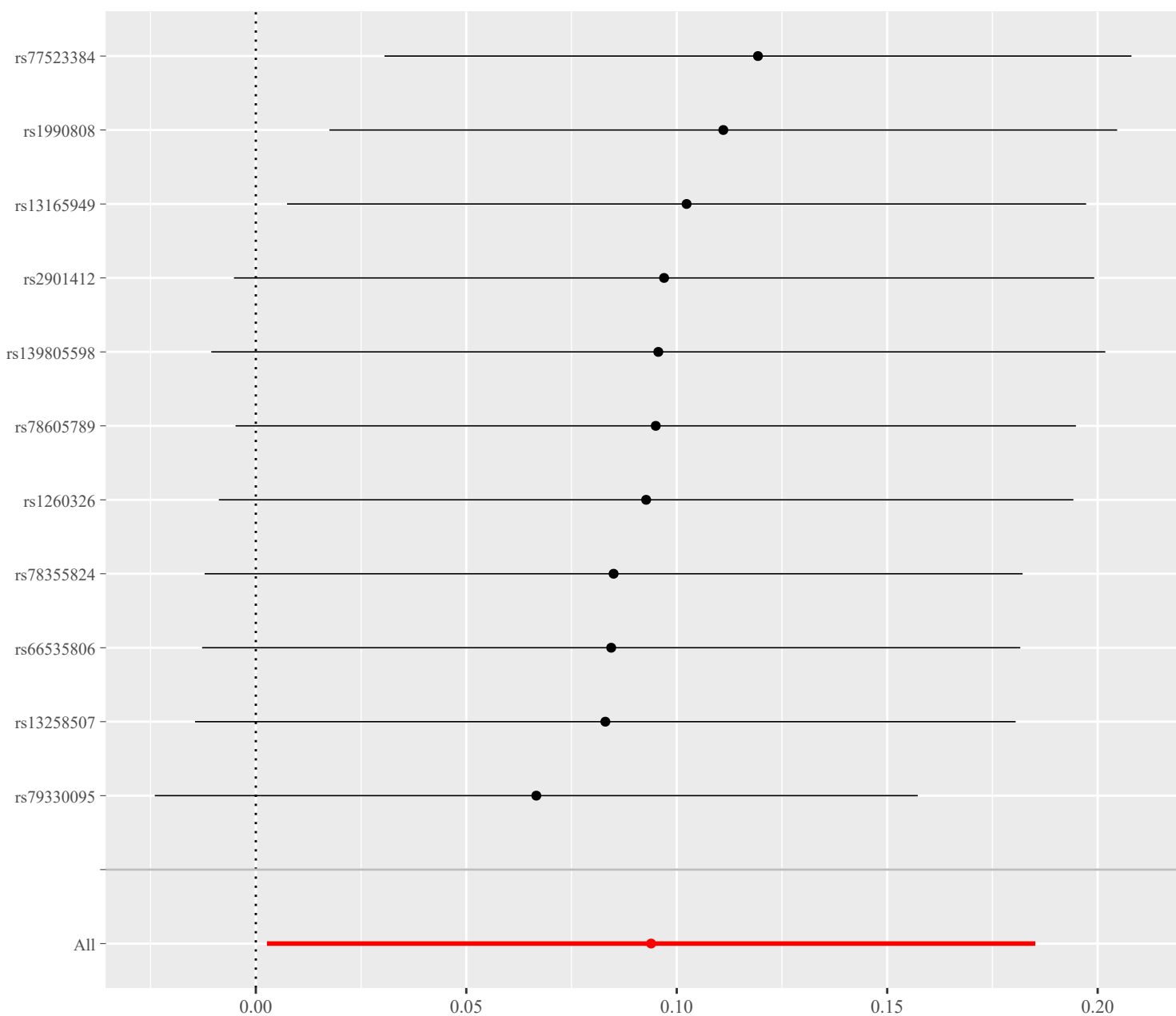
MR leave-one-out sensitivity analysis for
'Concentration of very large VLDL particles || id:met-c-950' on 'Atopic dermatitis || id:ebi-a-GCST90027161'



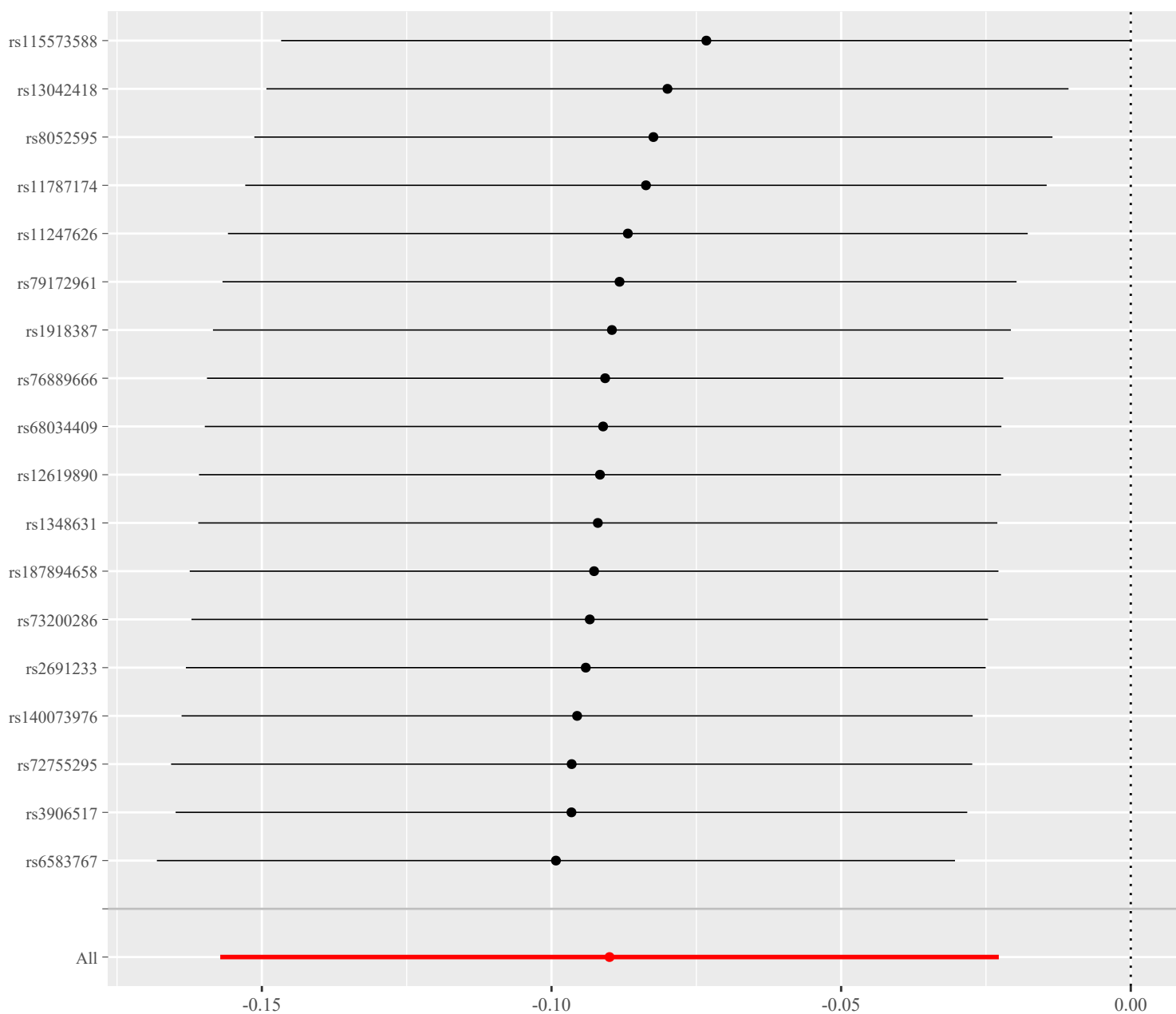


MR leave-one-out sensitivity analysis for
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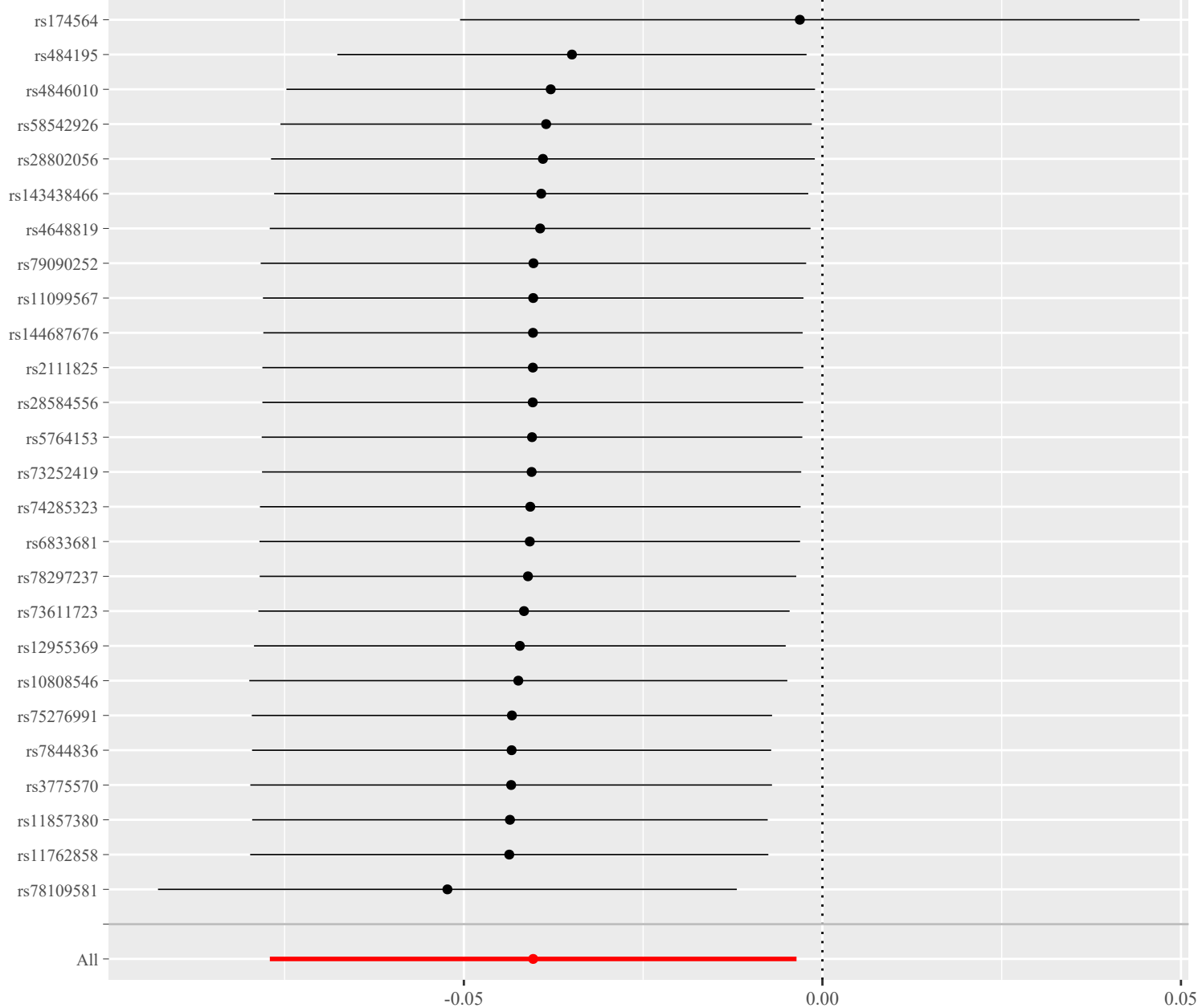




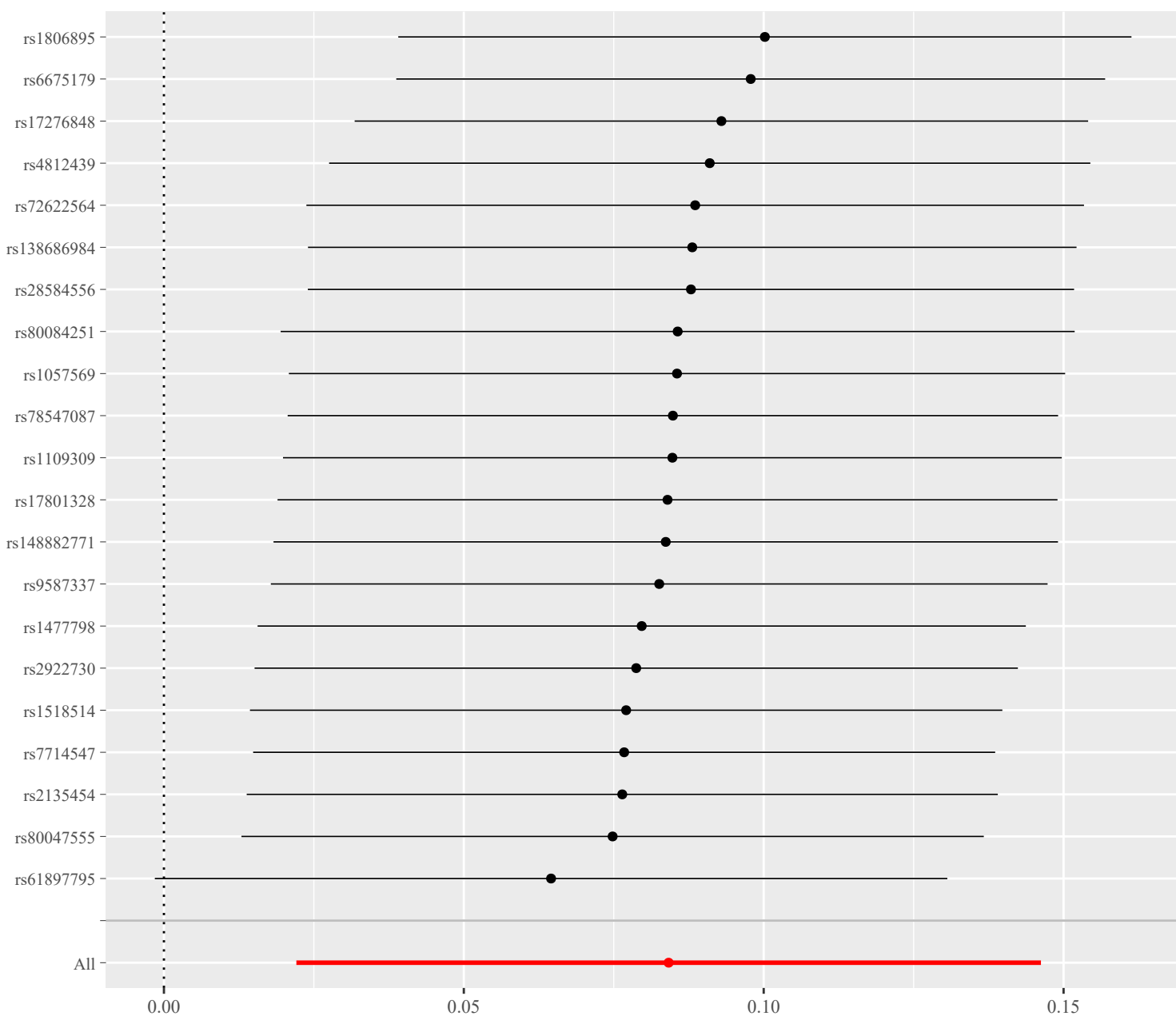
MR leave-one-out sensitivity analysis for
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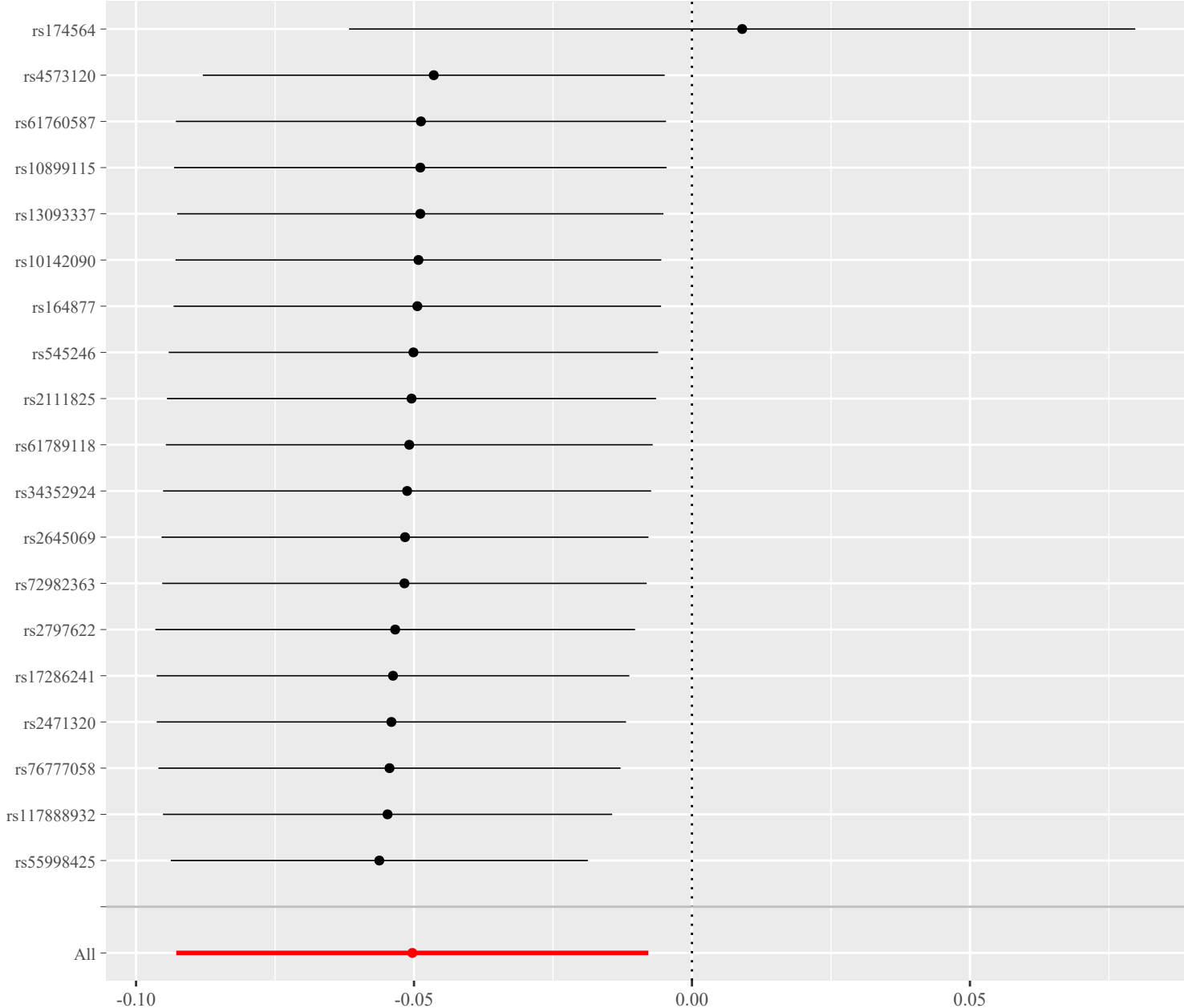


MR leave-one-out sensitivity analysis for
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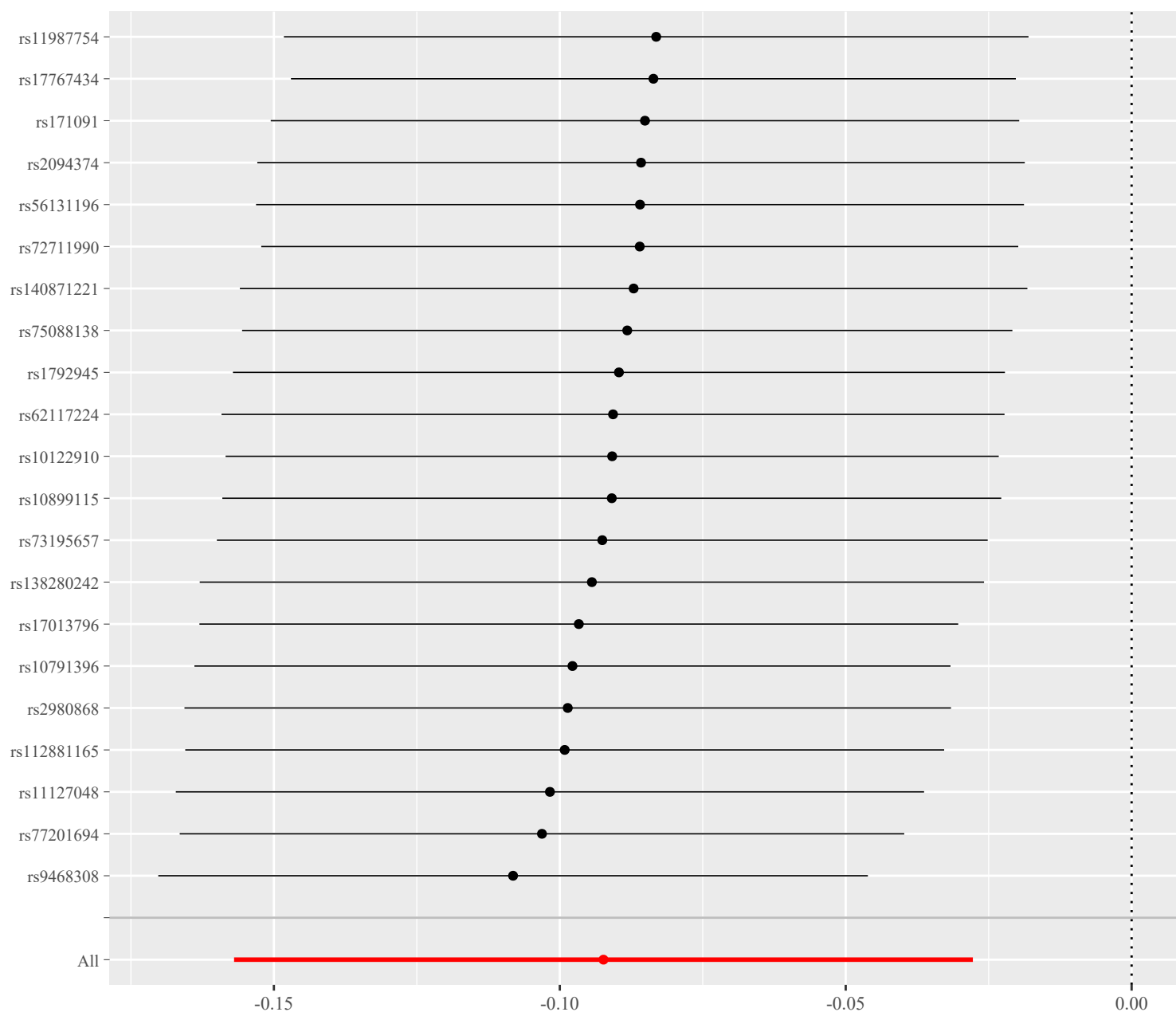


MR leave-one-out sensitivity analysis for
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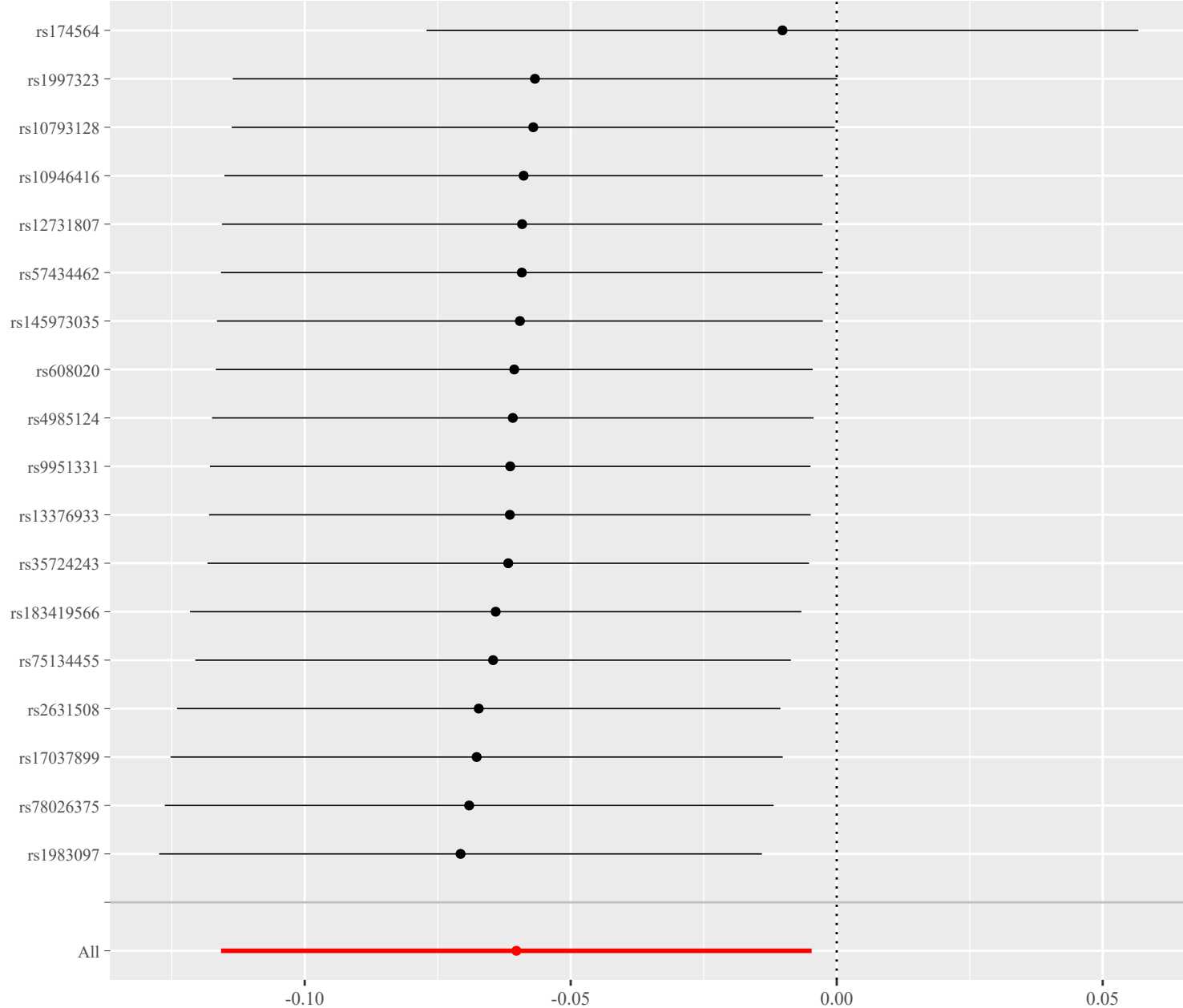




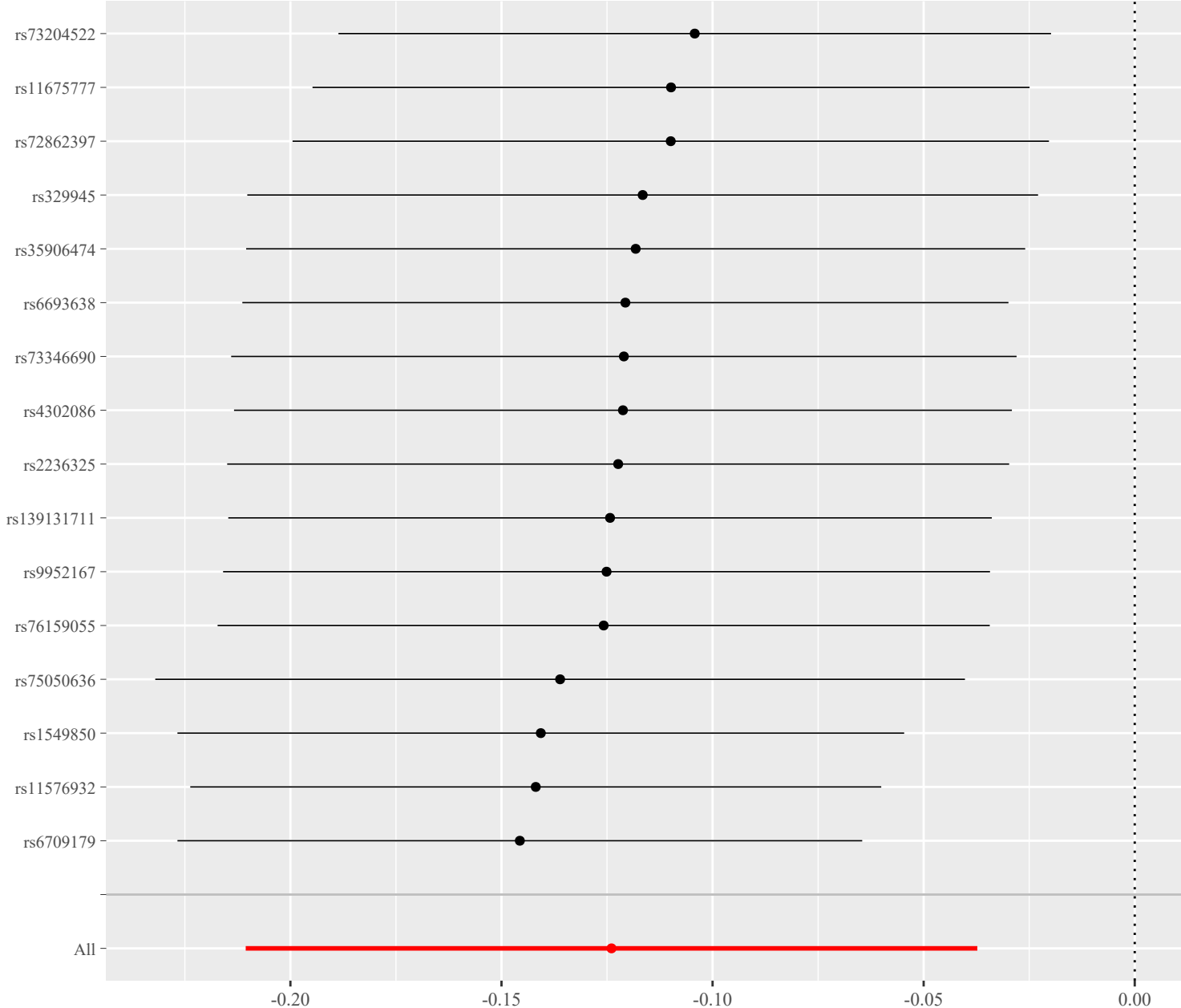
MR leave-one-out sensitivity analysis for
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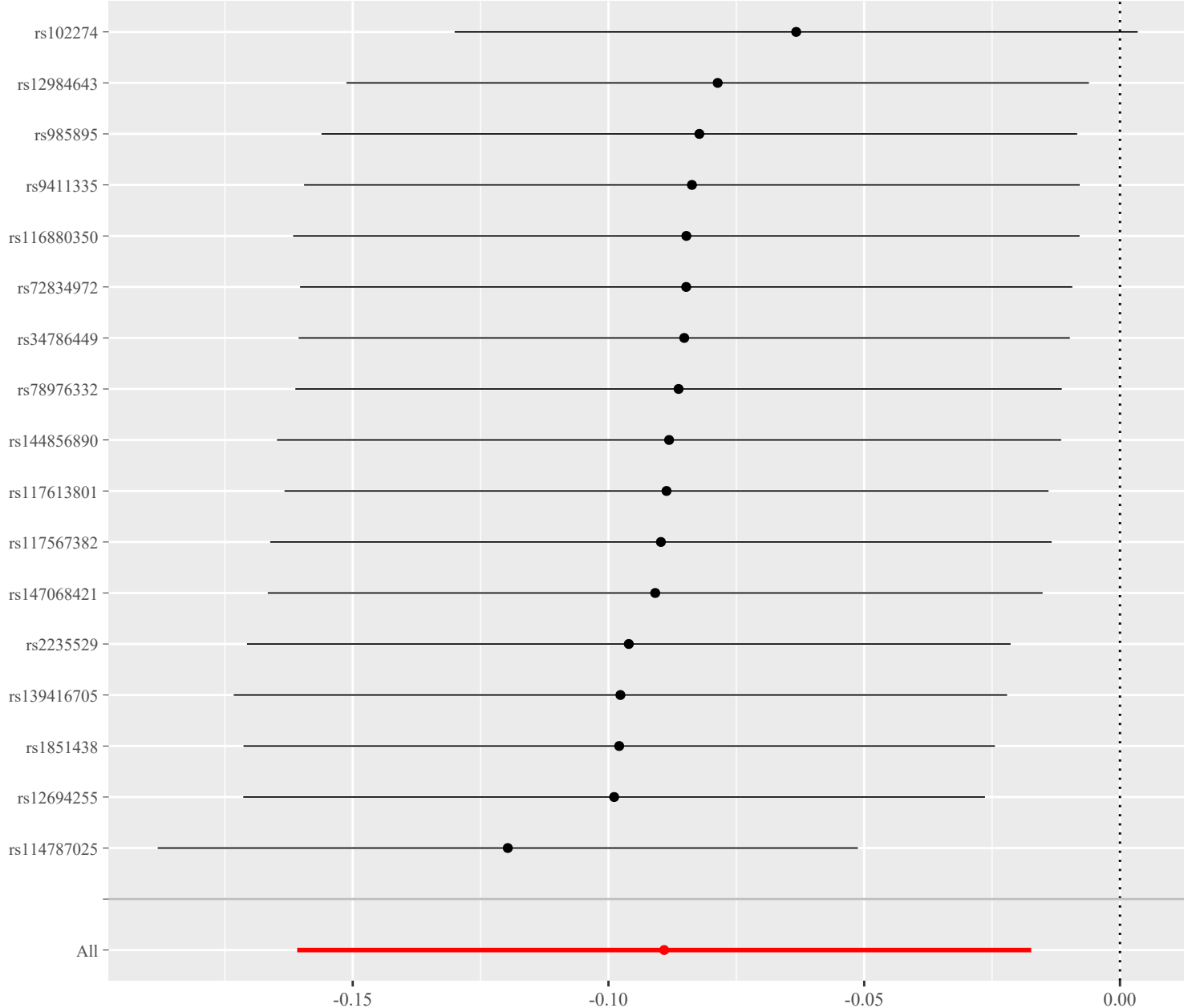
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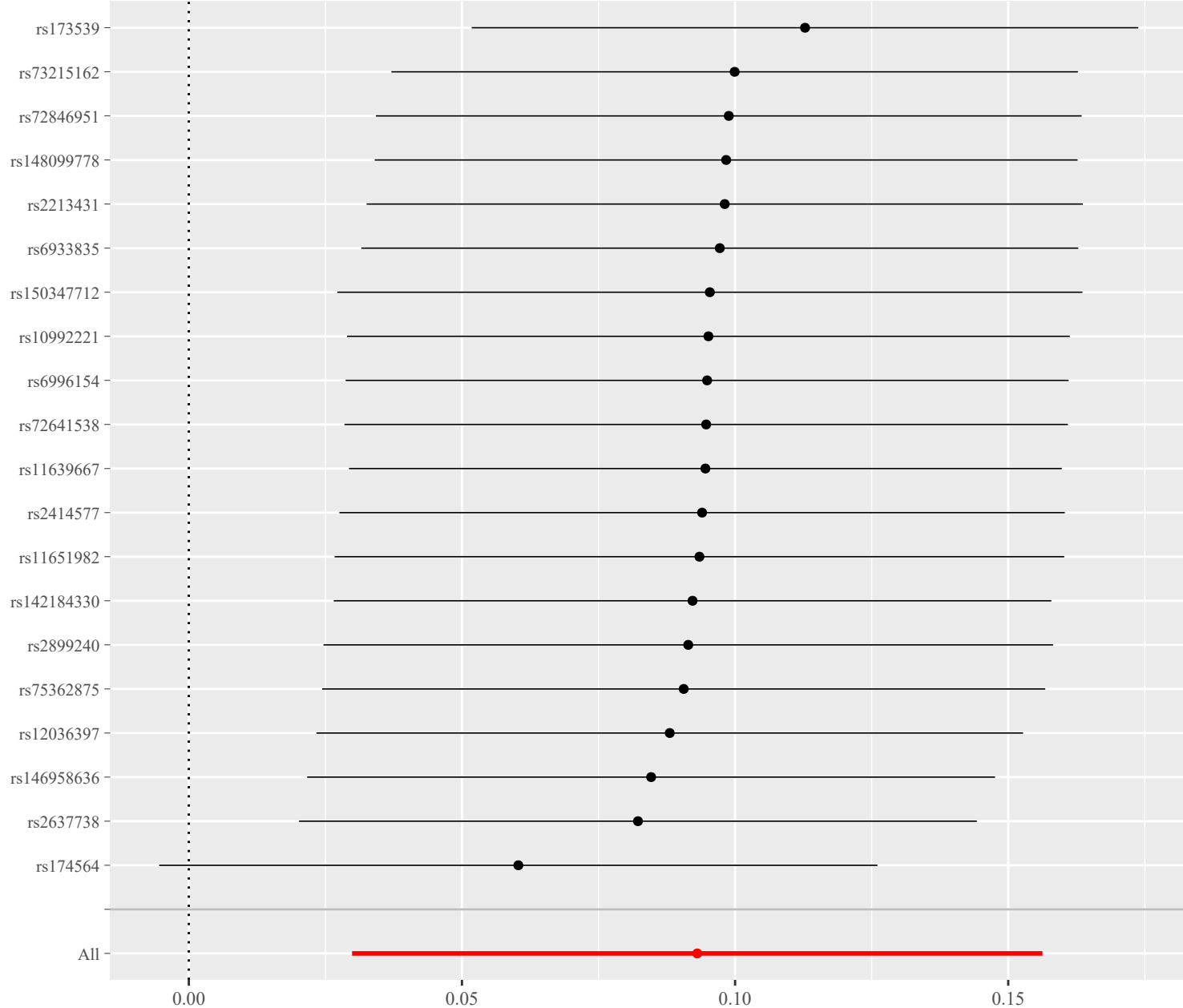
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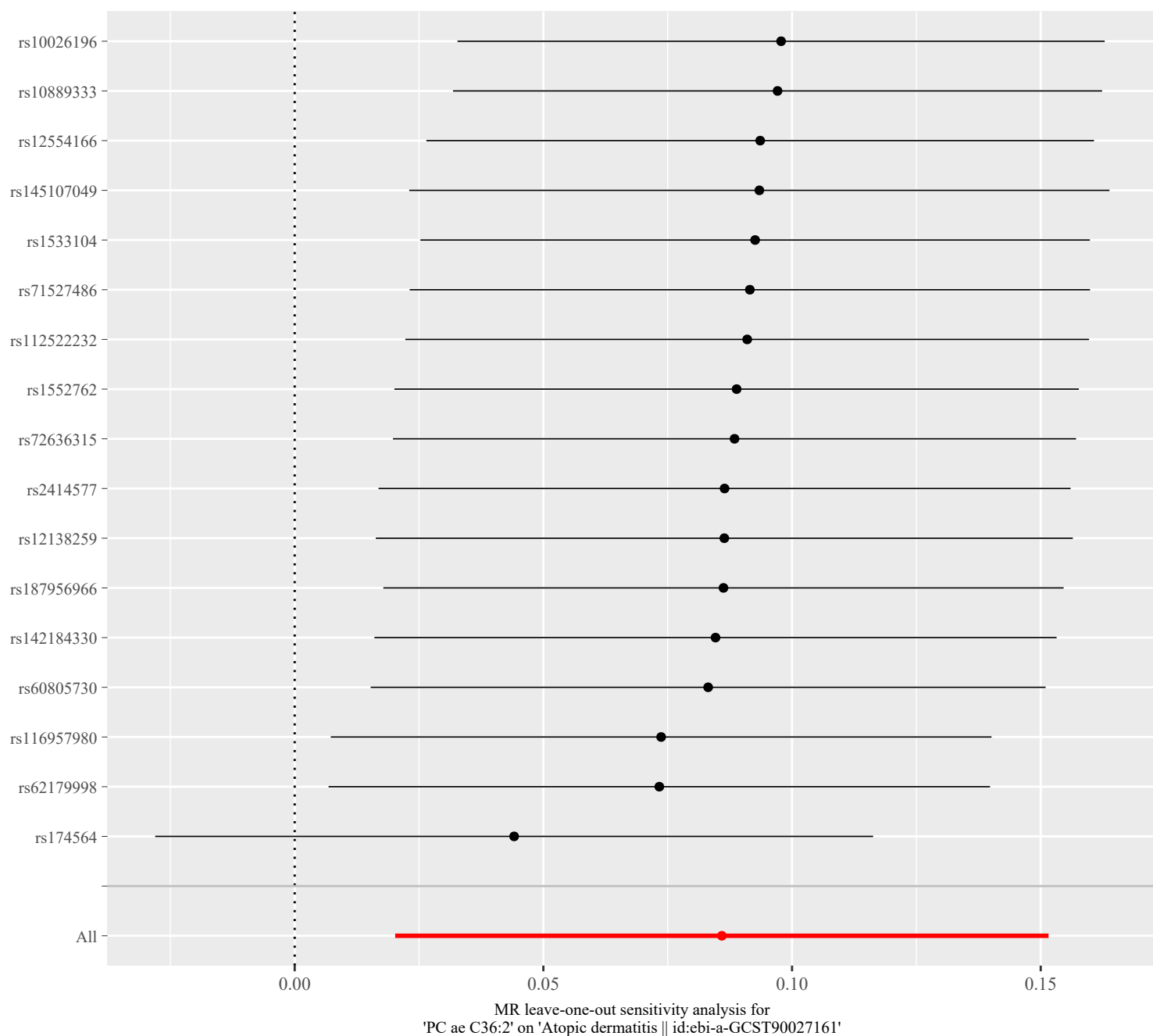


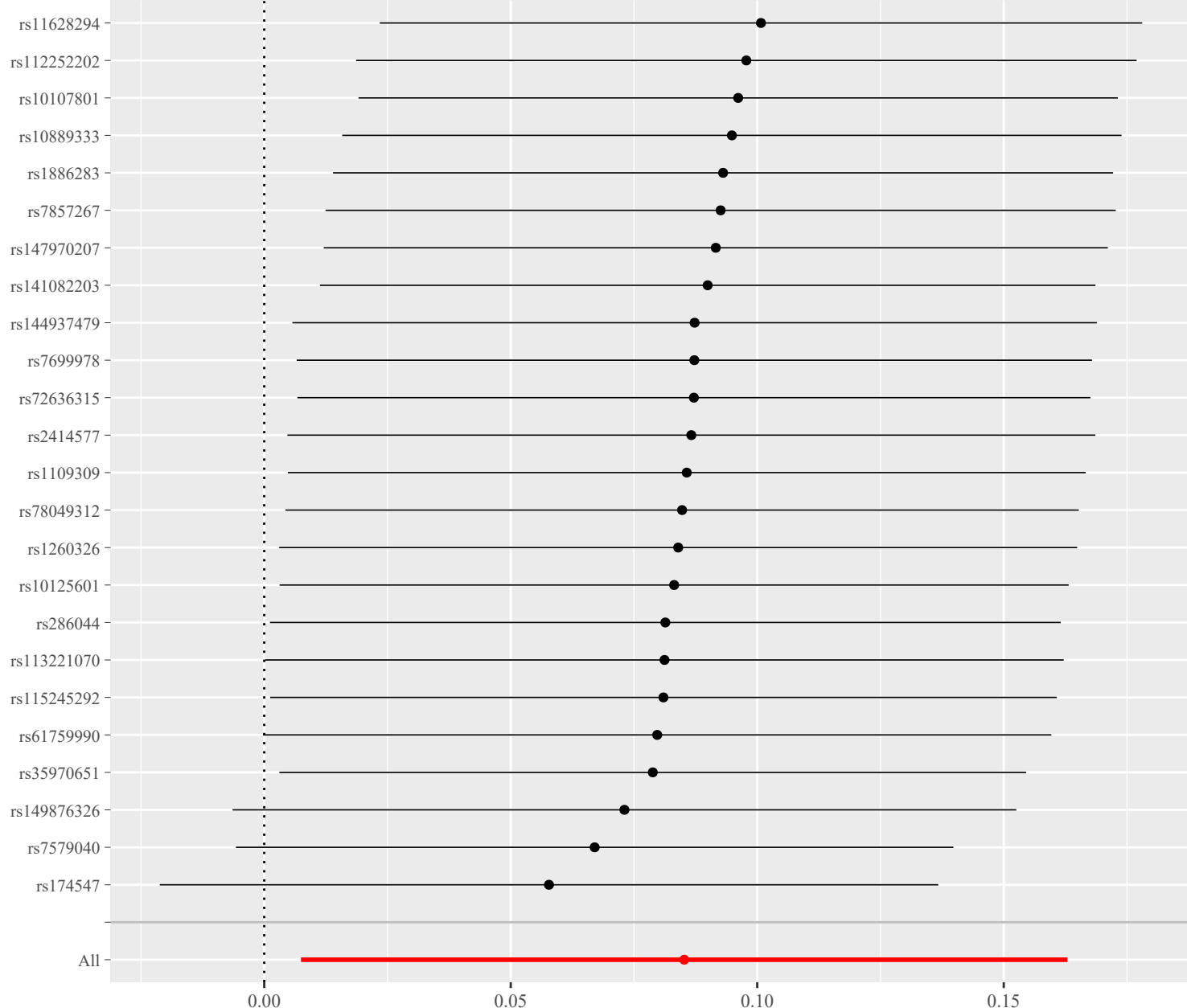
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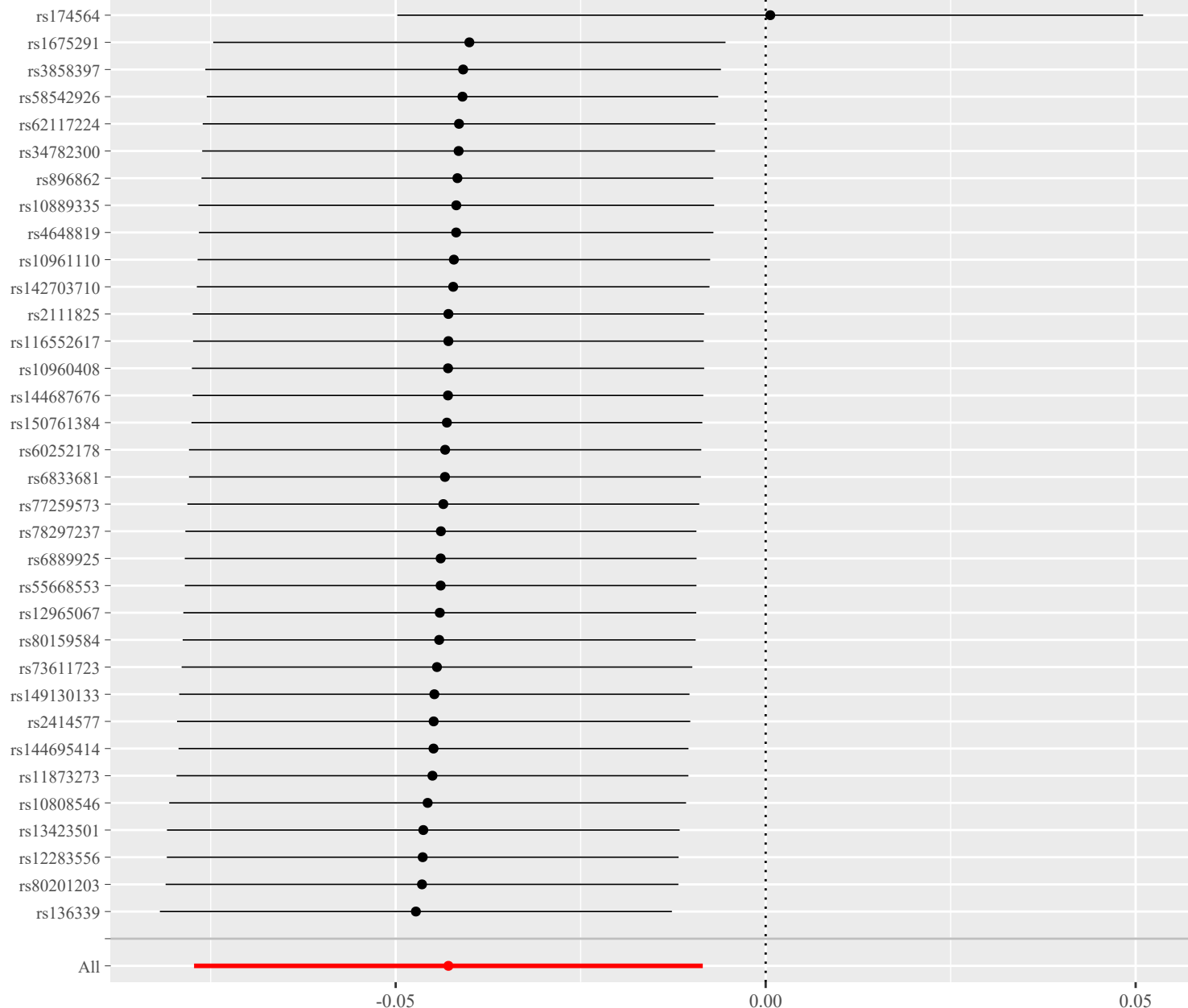
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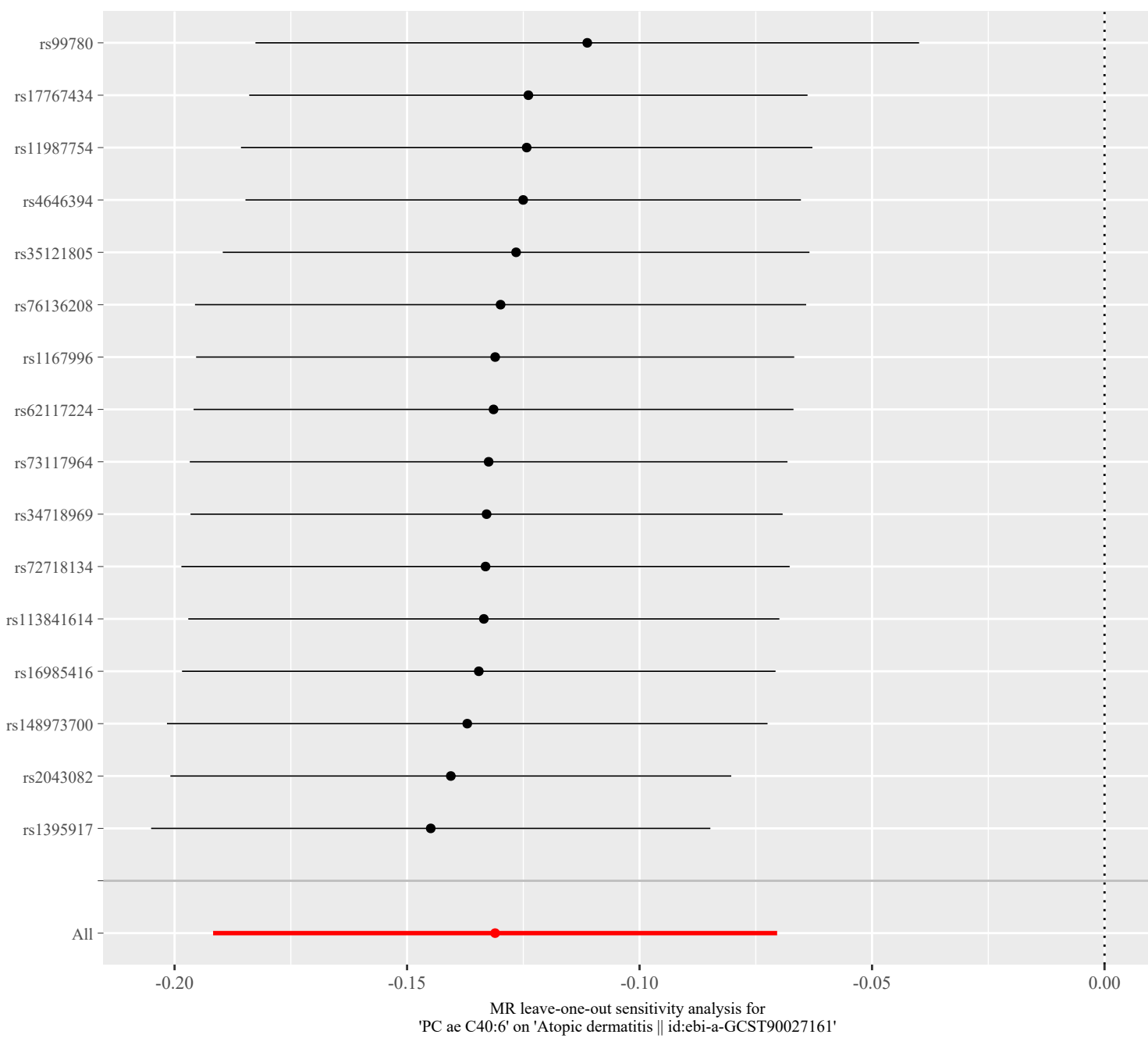


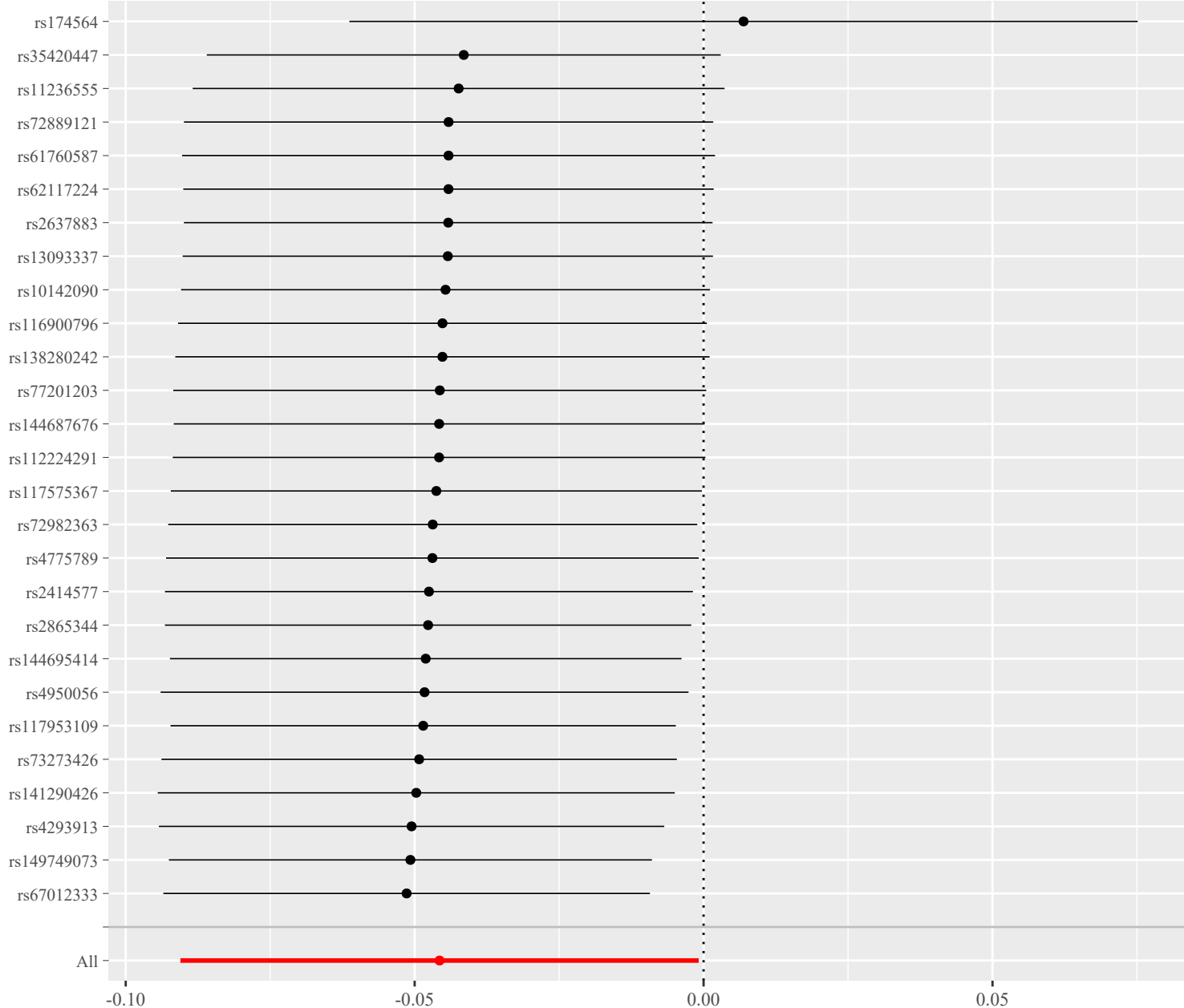




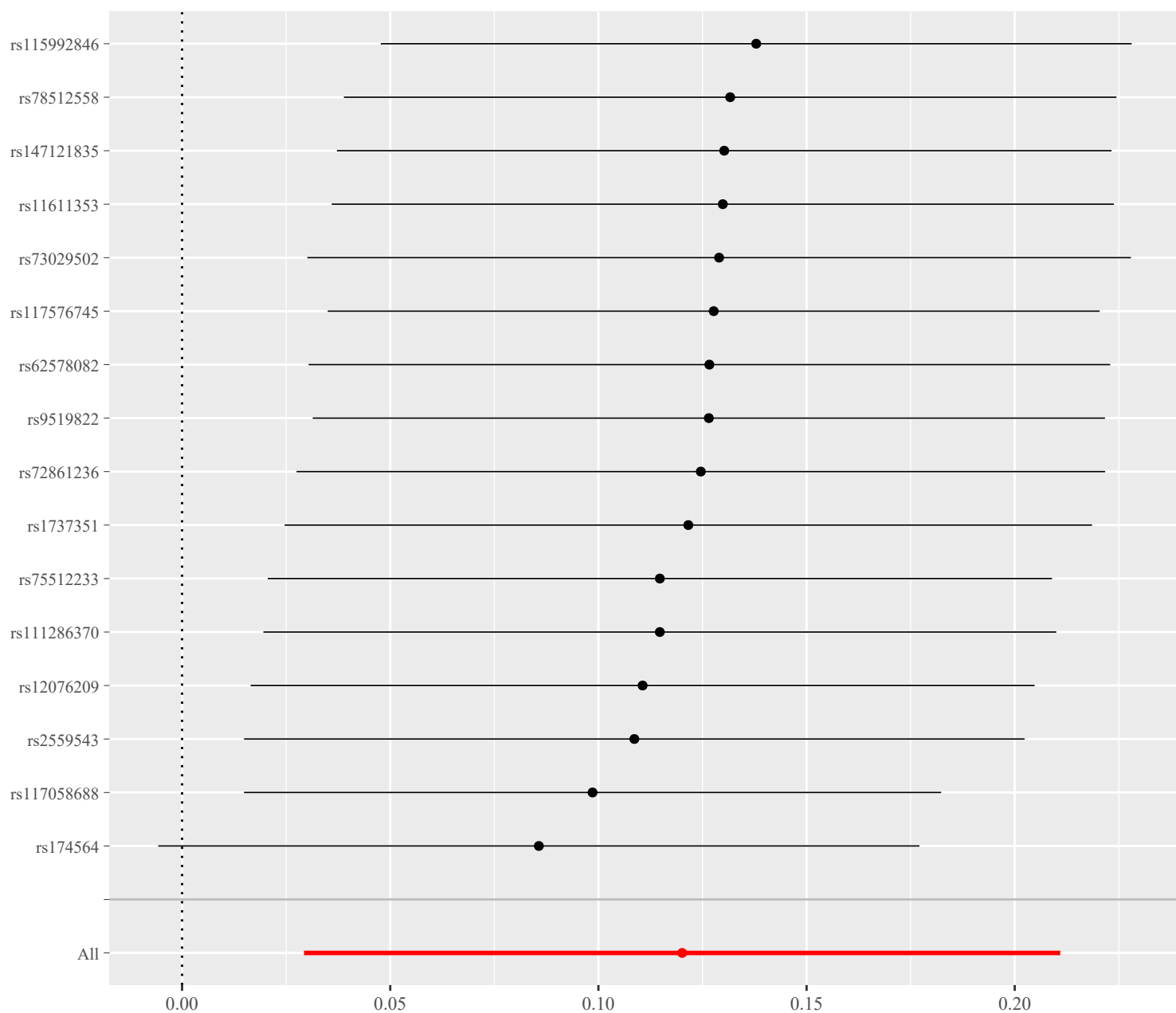
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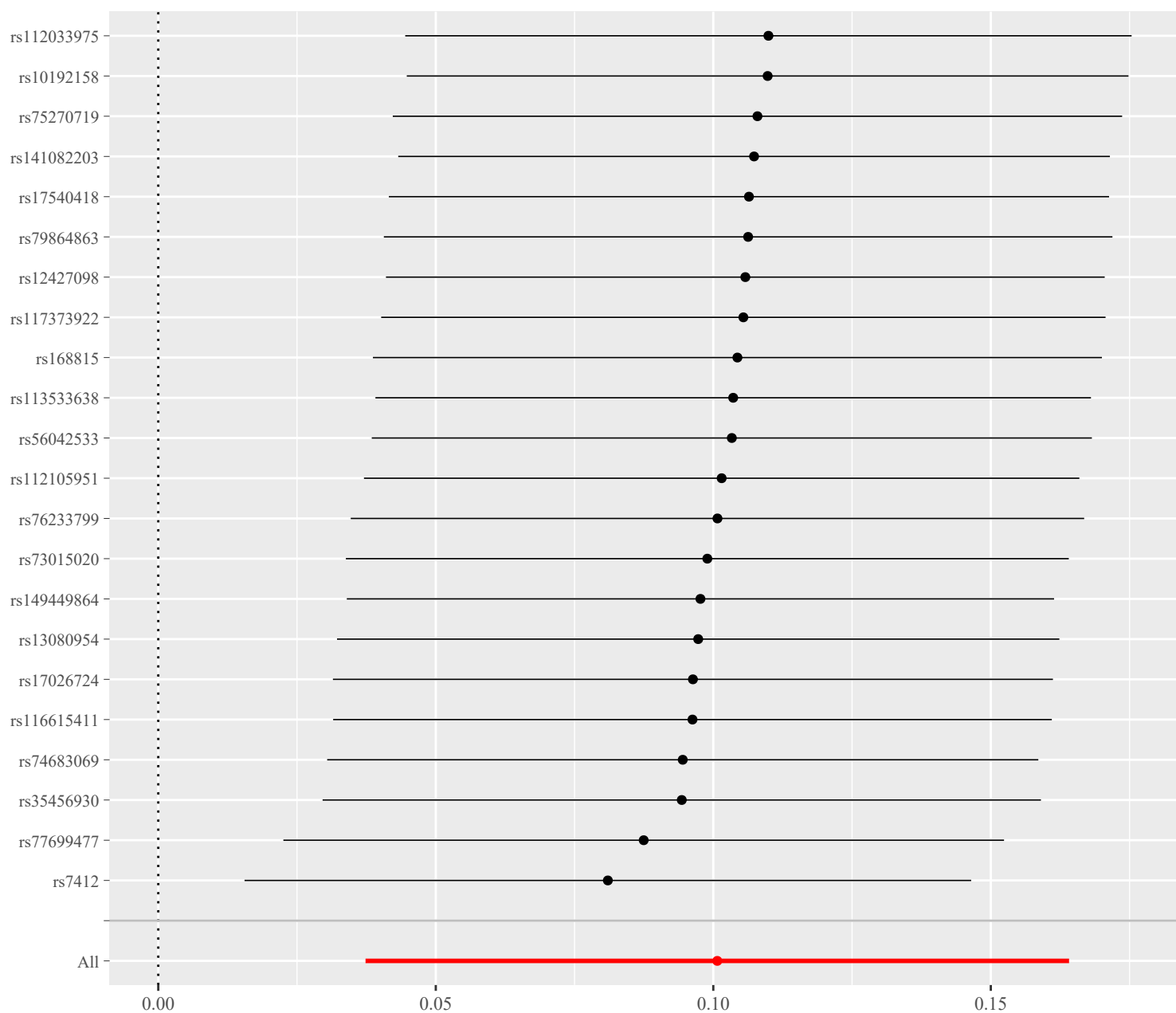




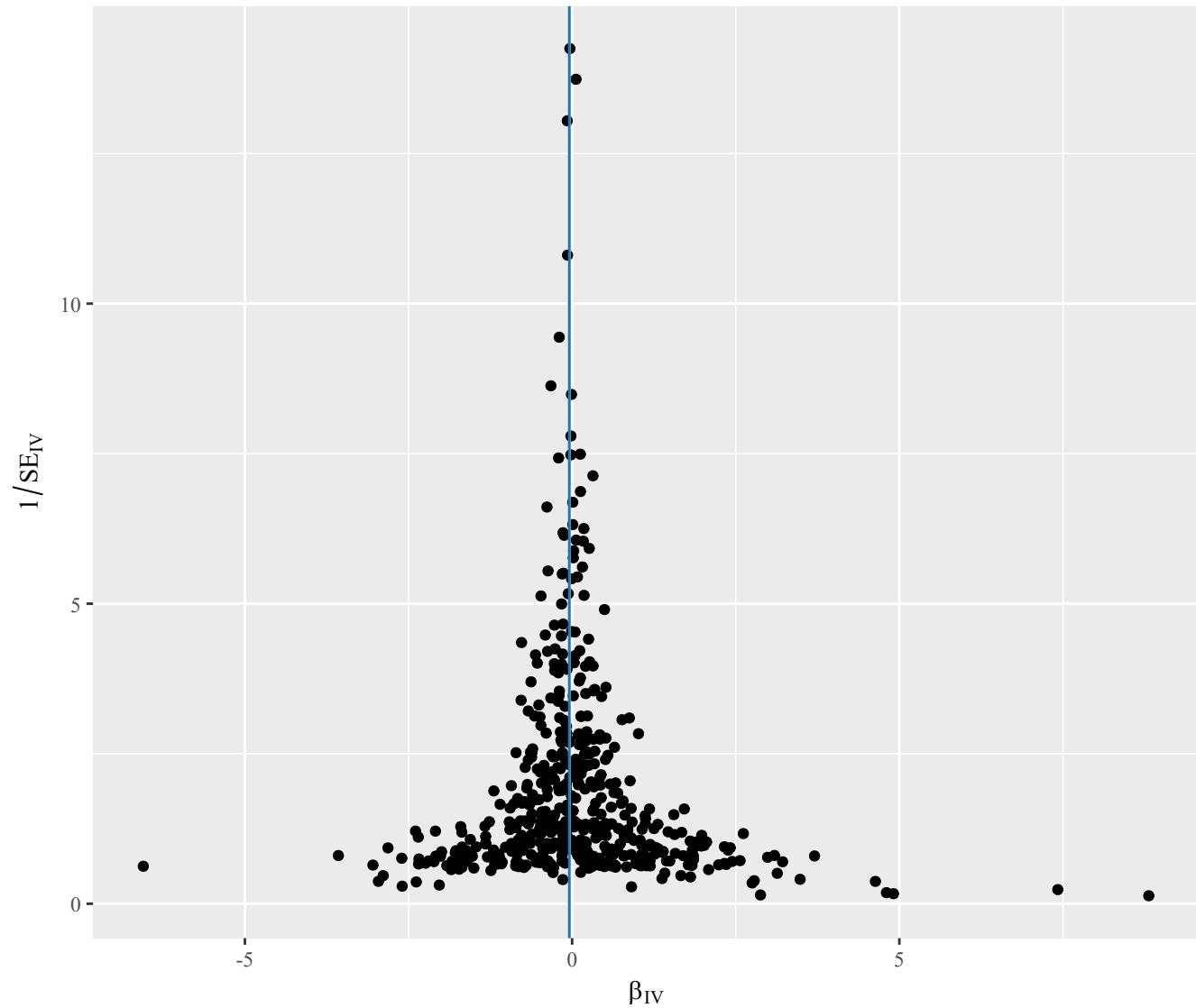
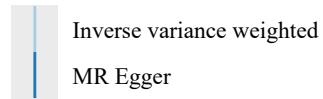


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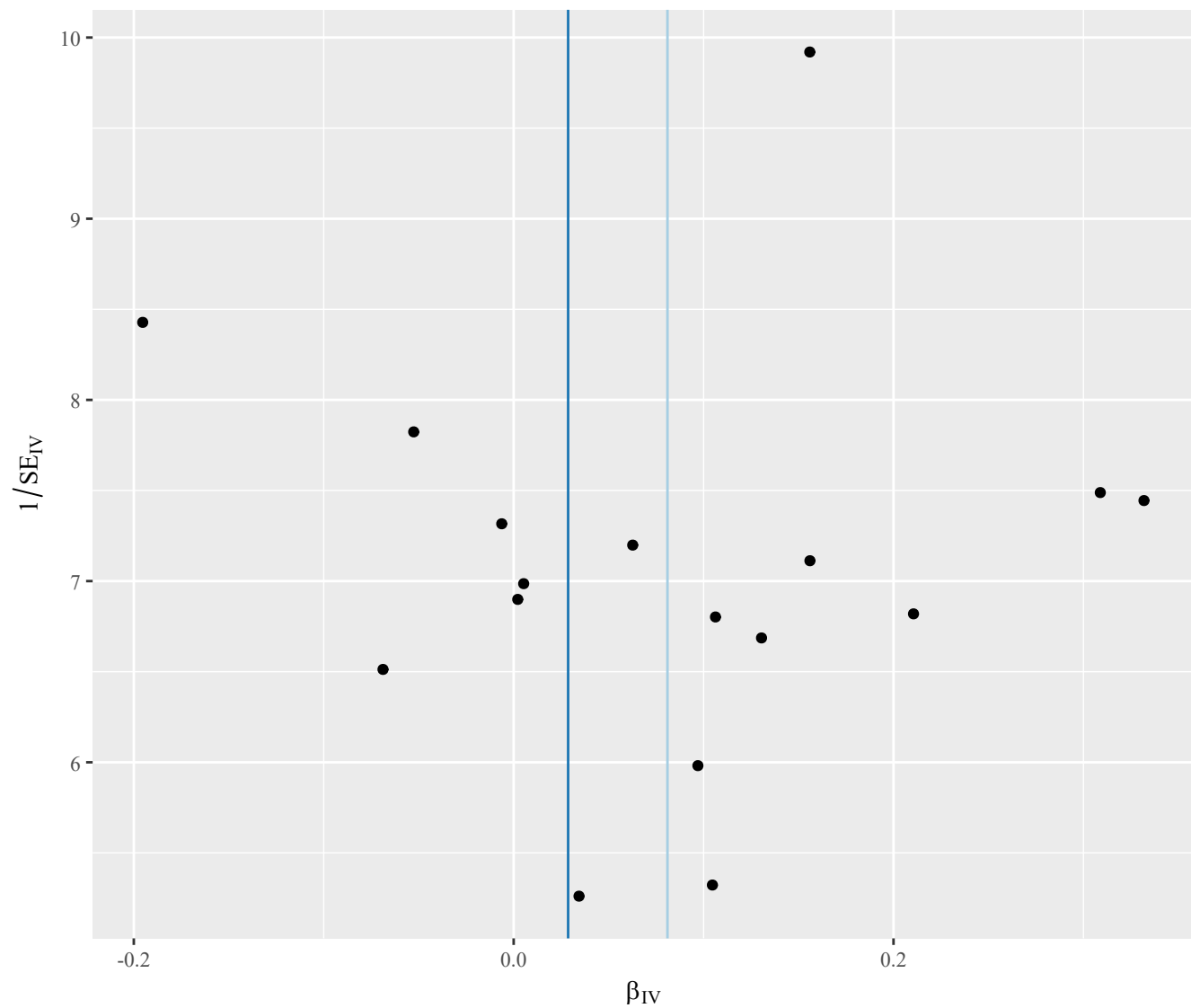
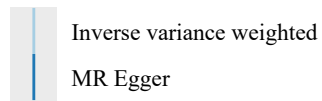




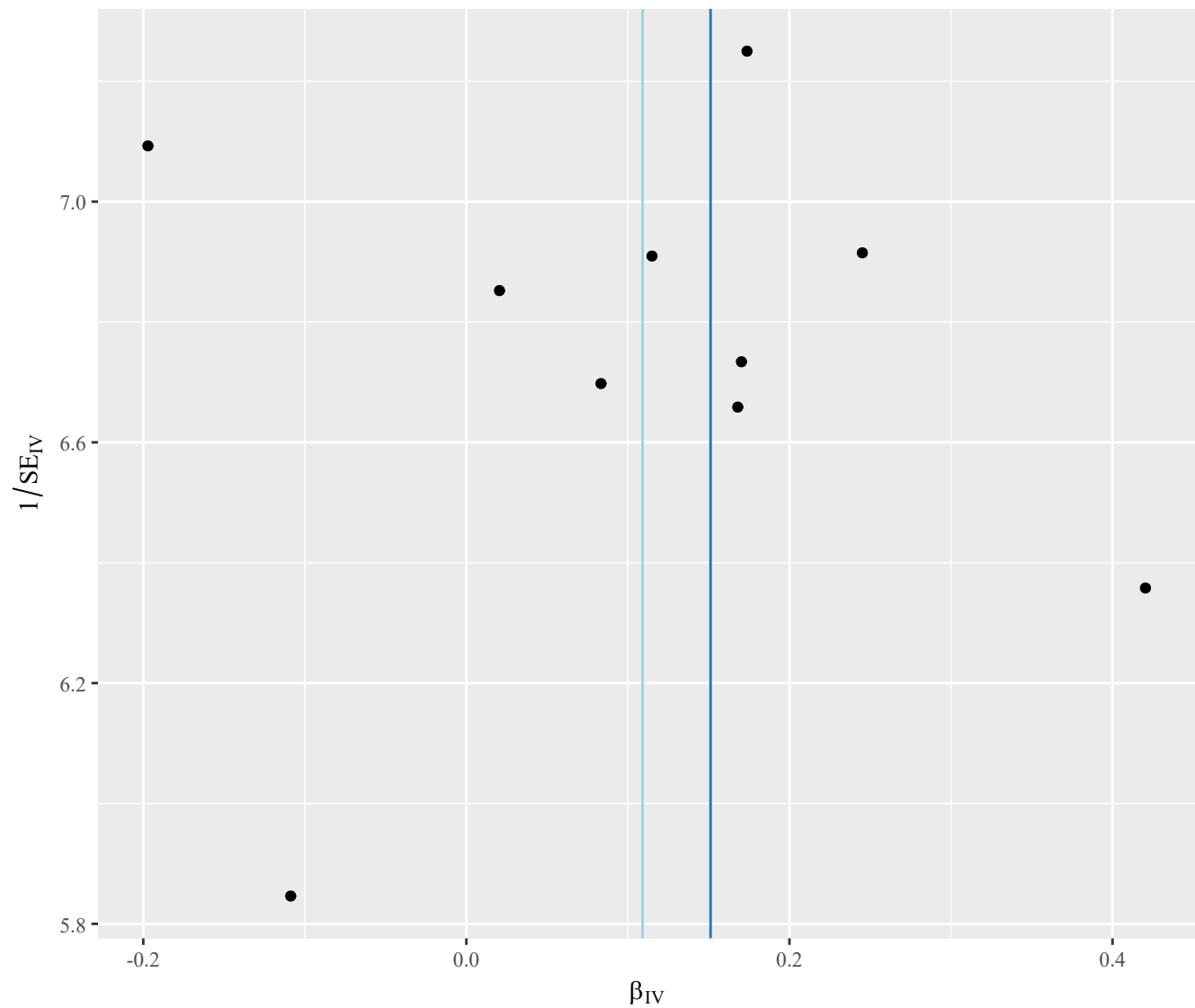
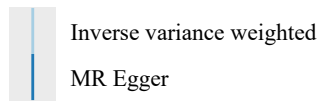
MR Method



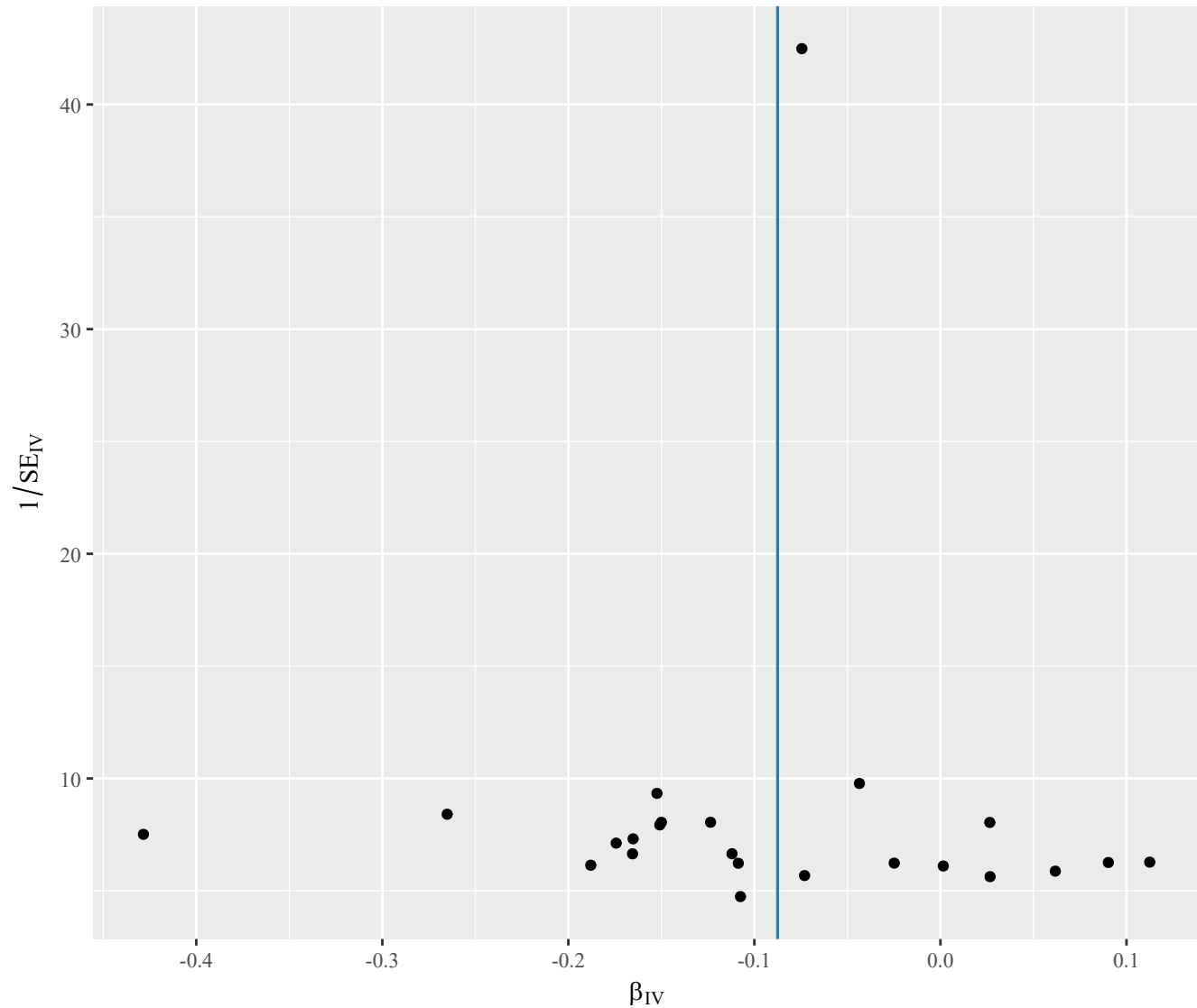
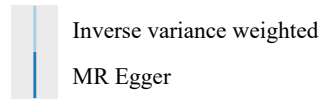
MR Method



MR Method

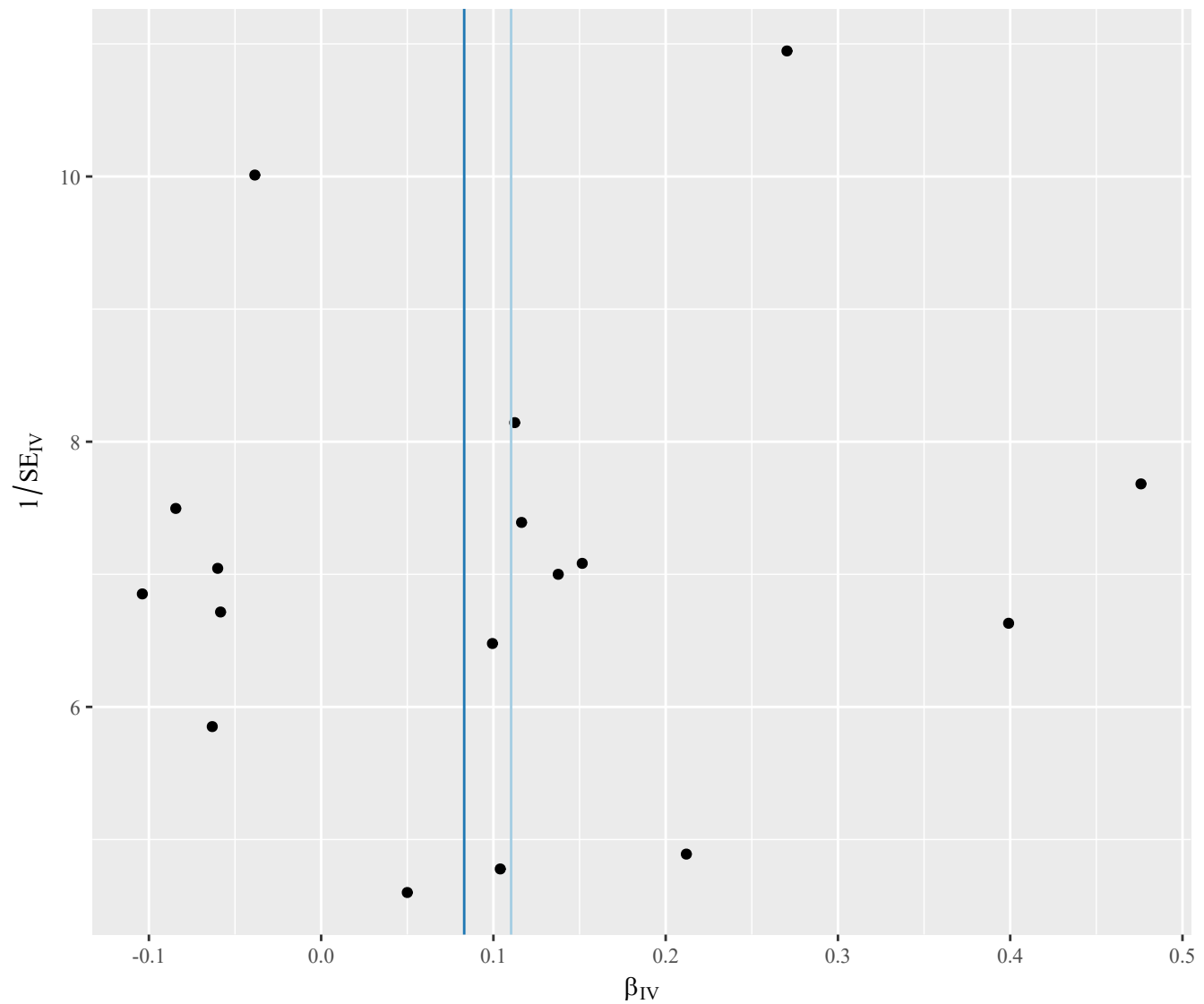


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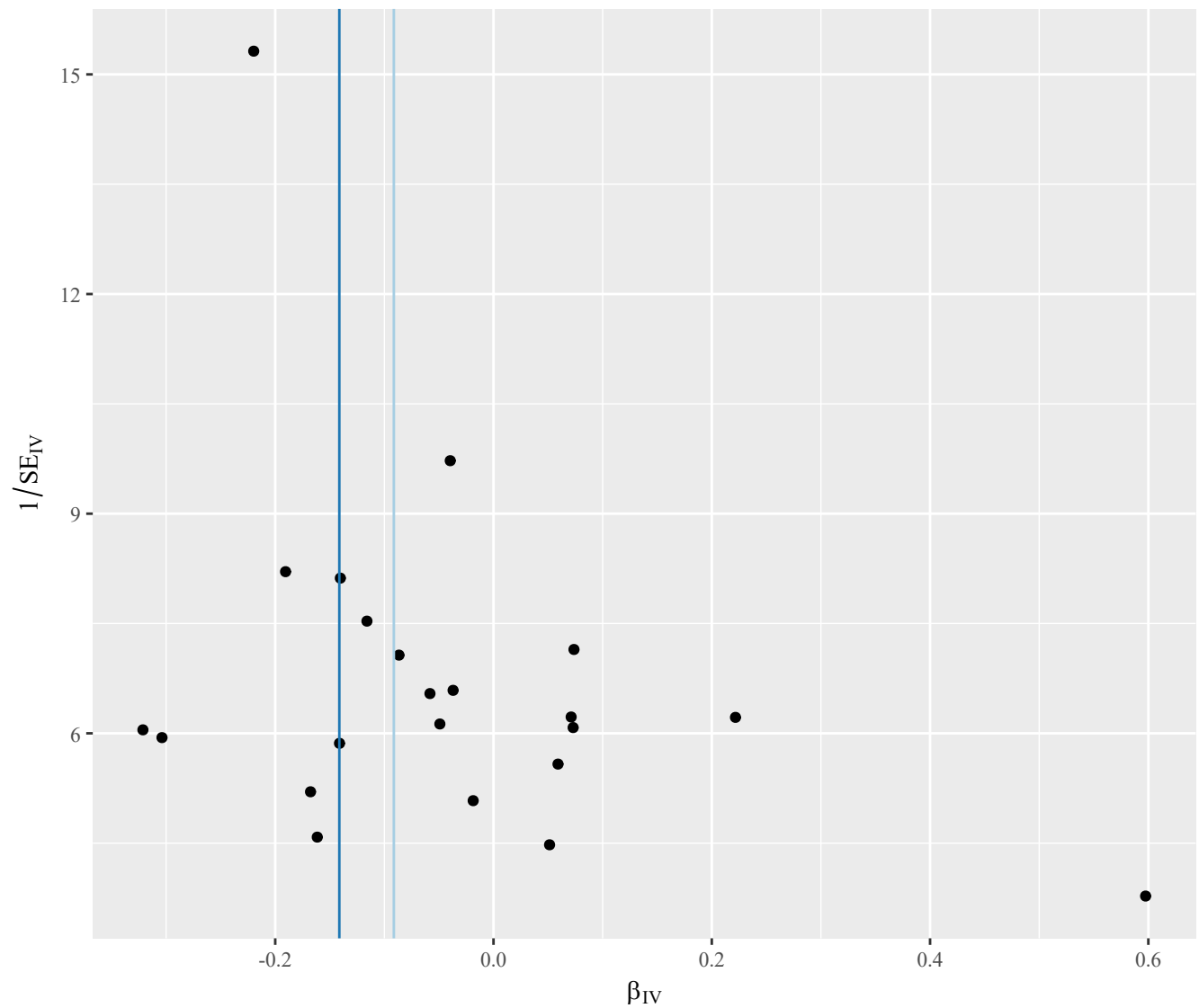
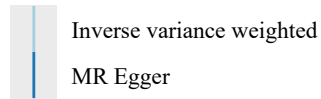


MR Method

- Inverse variance weighted
- MR Egger

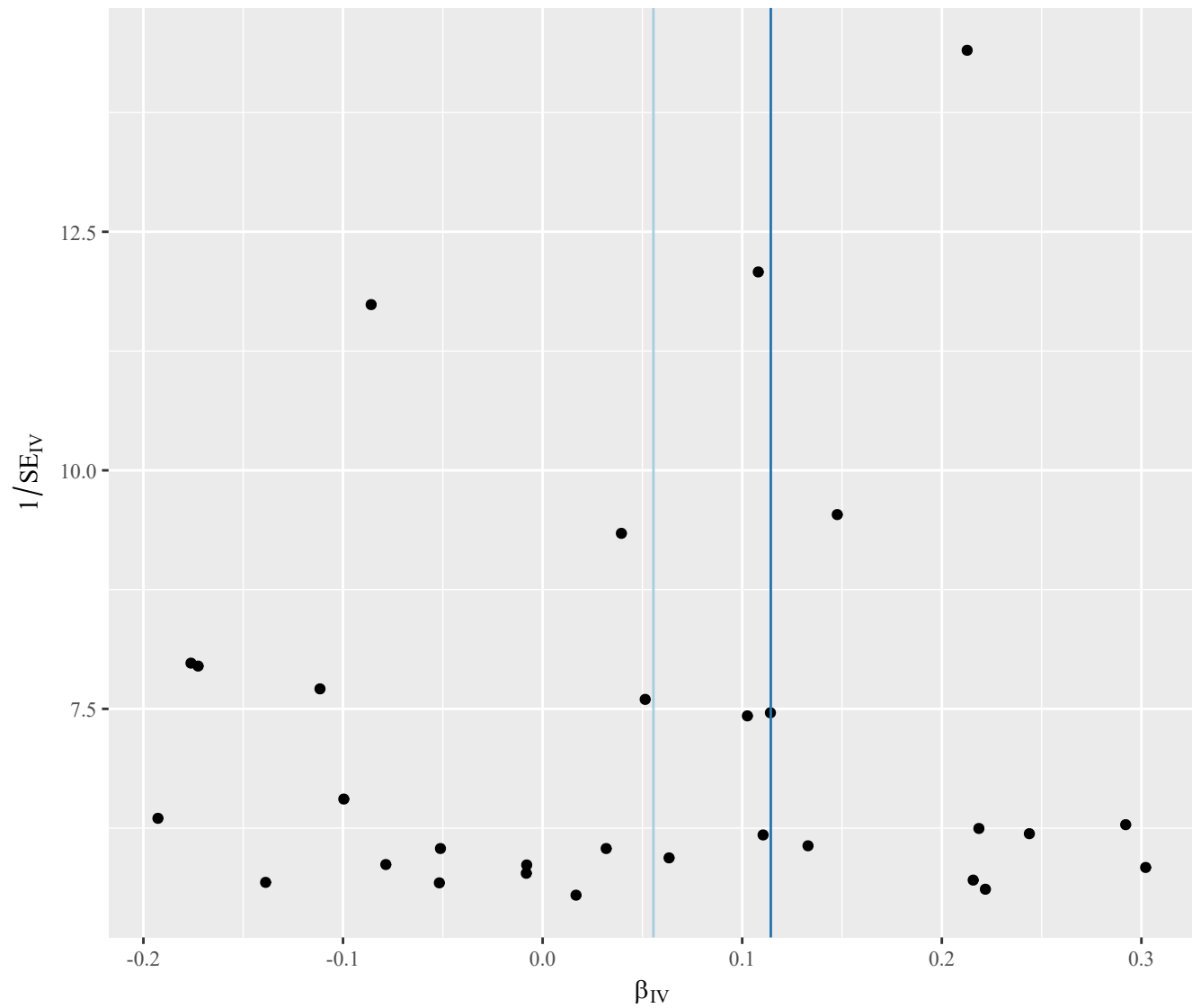


MR Method

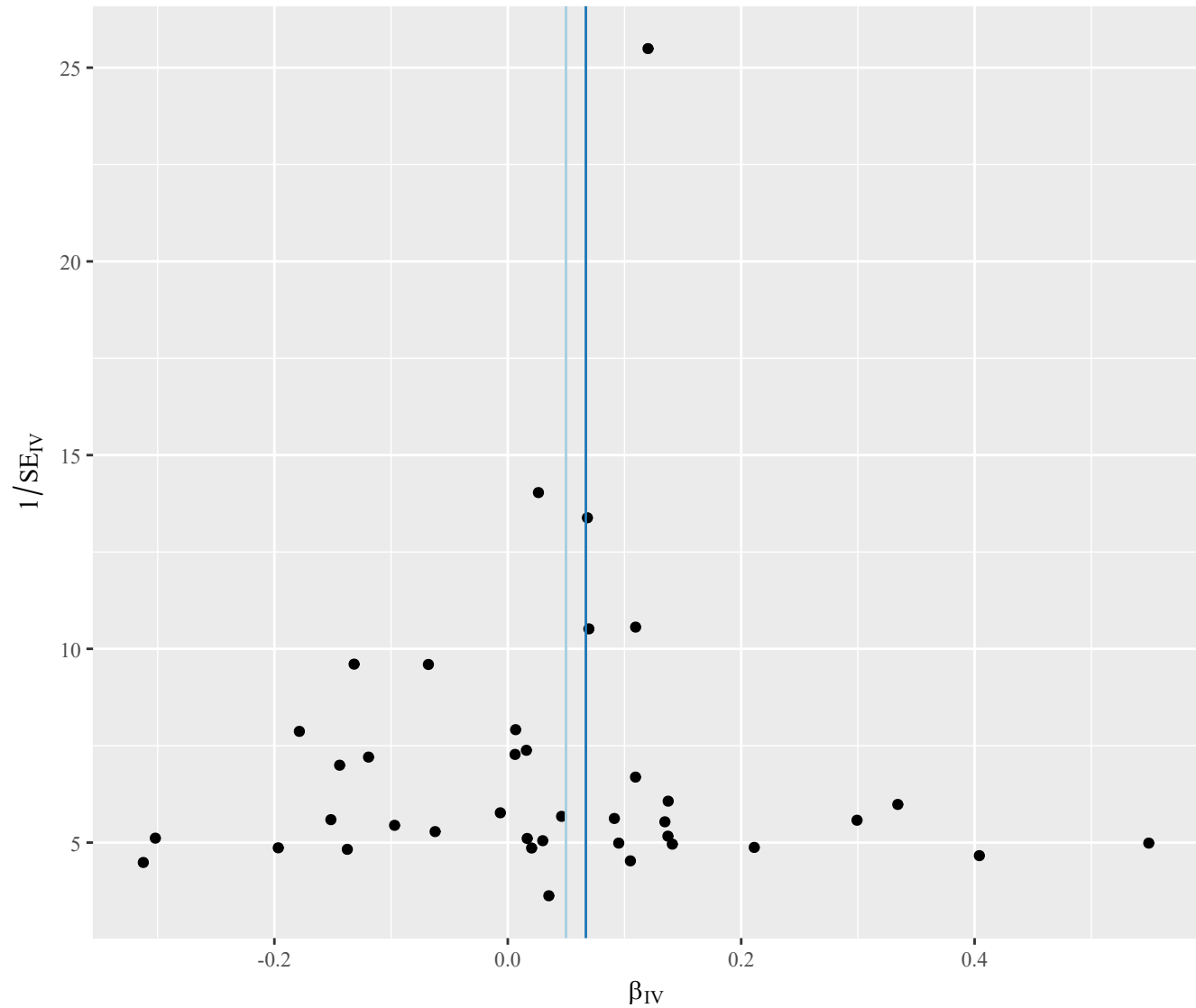
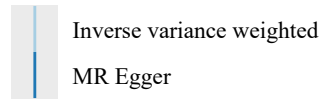


MR Method

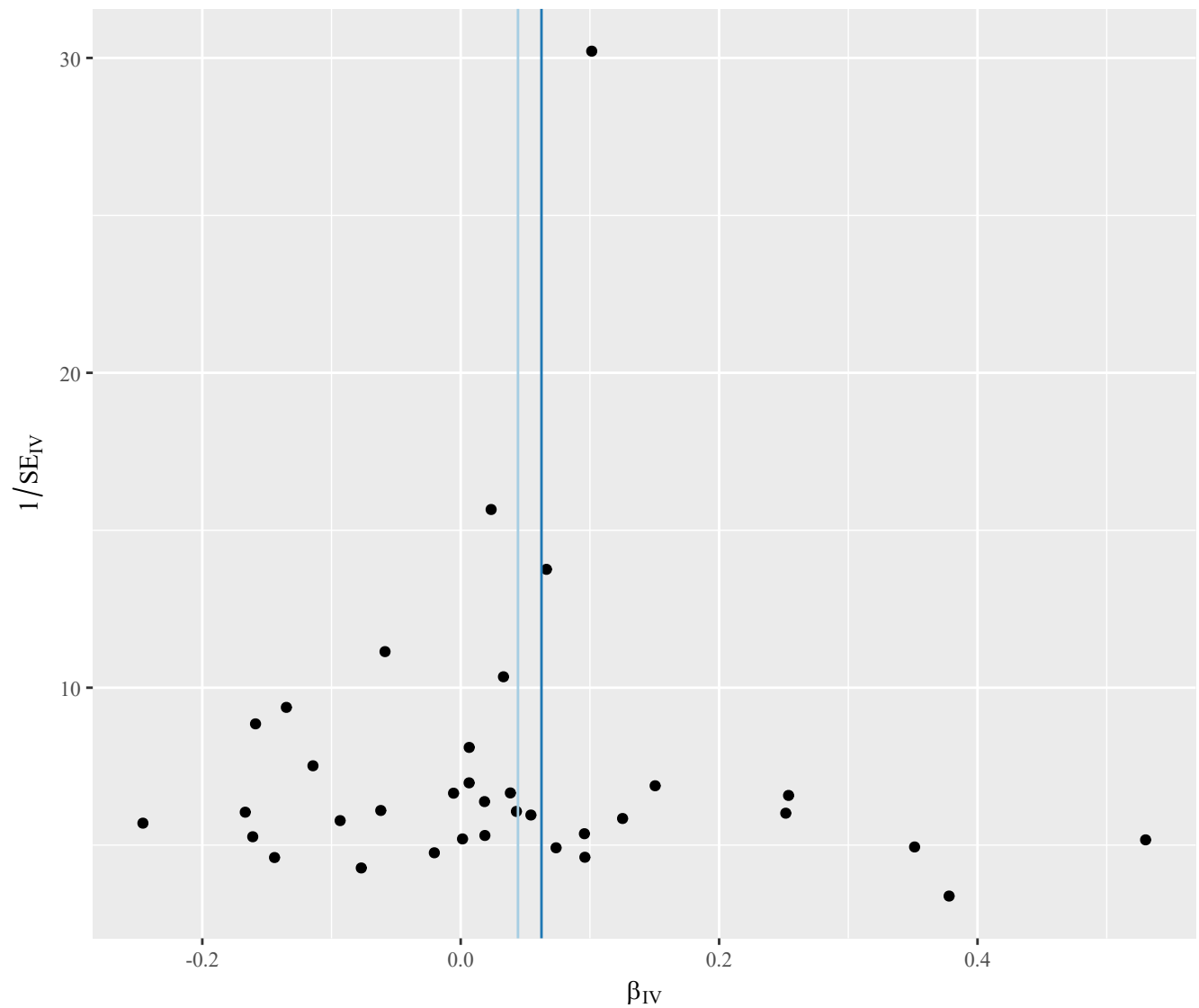
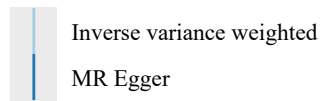
Inverse variance weighted
MR Egger



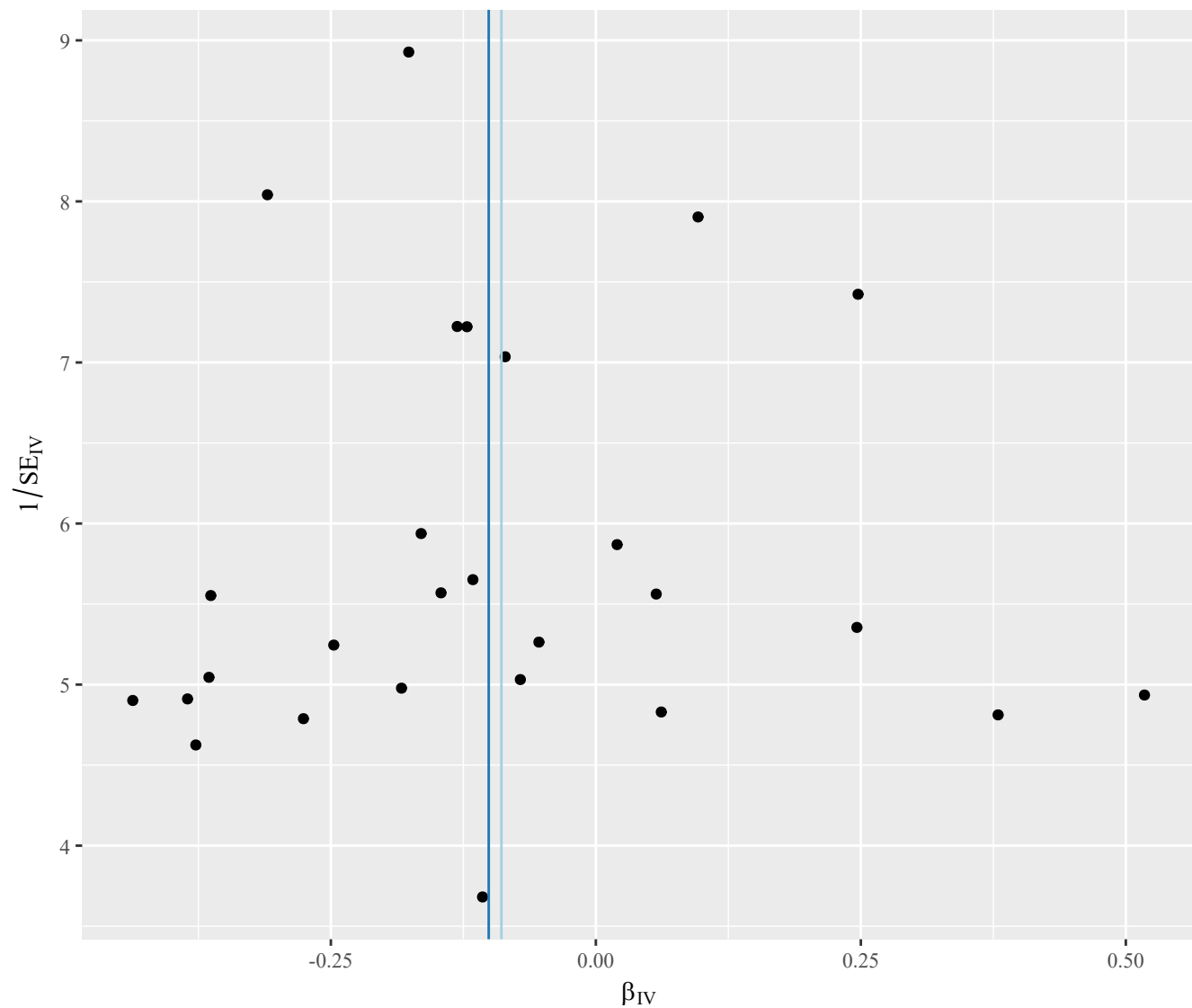
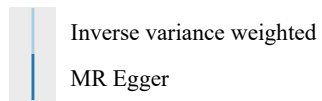
MR Method



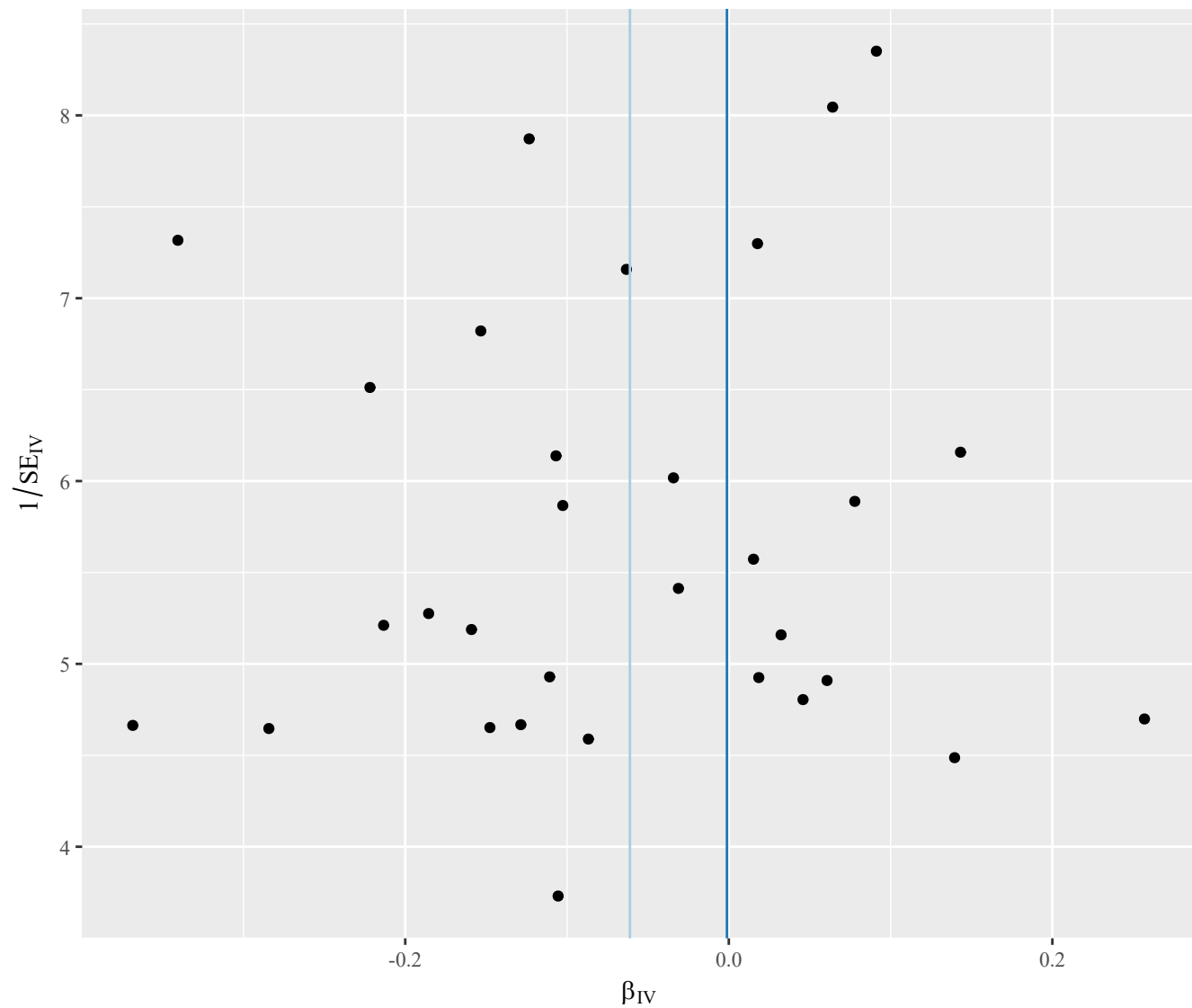
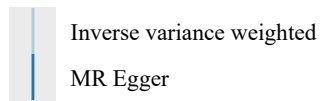
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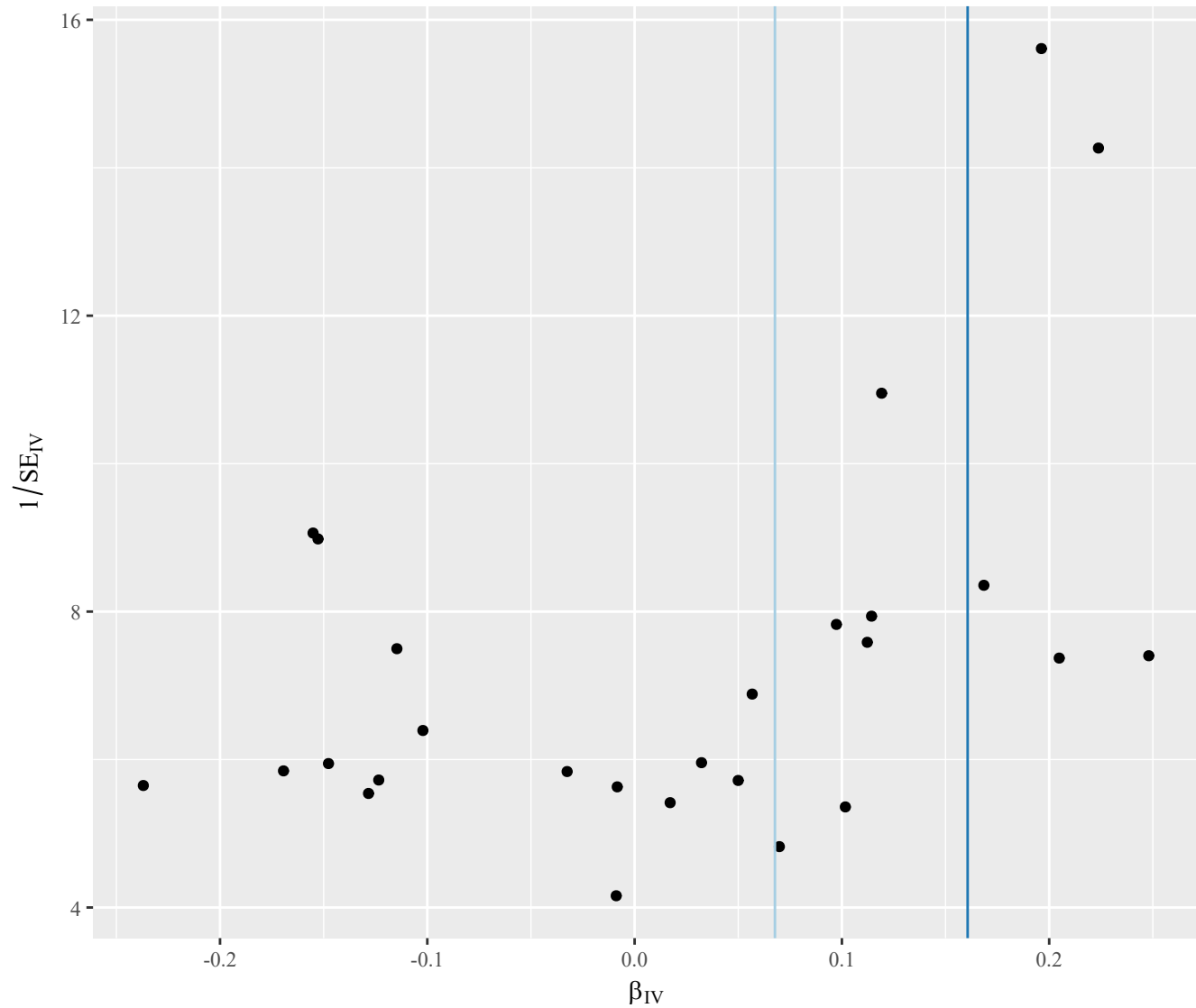
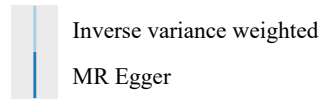
MR Method



MR Method



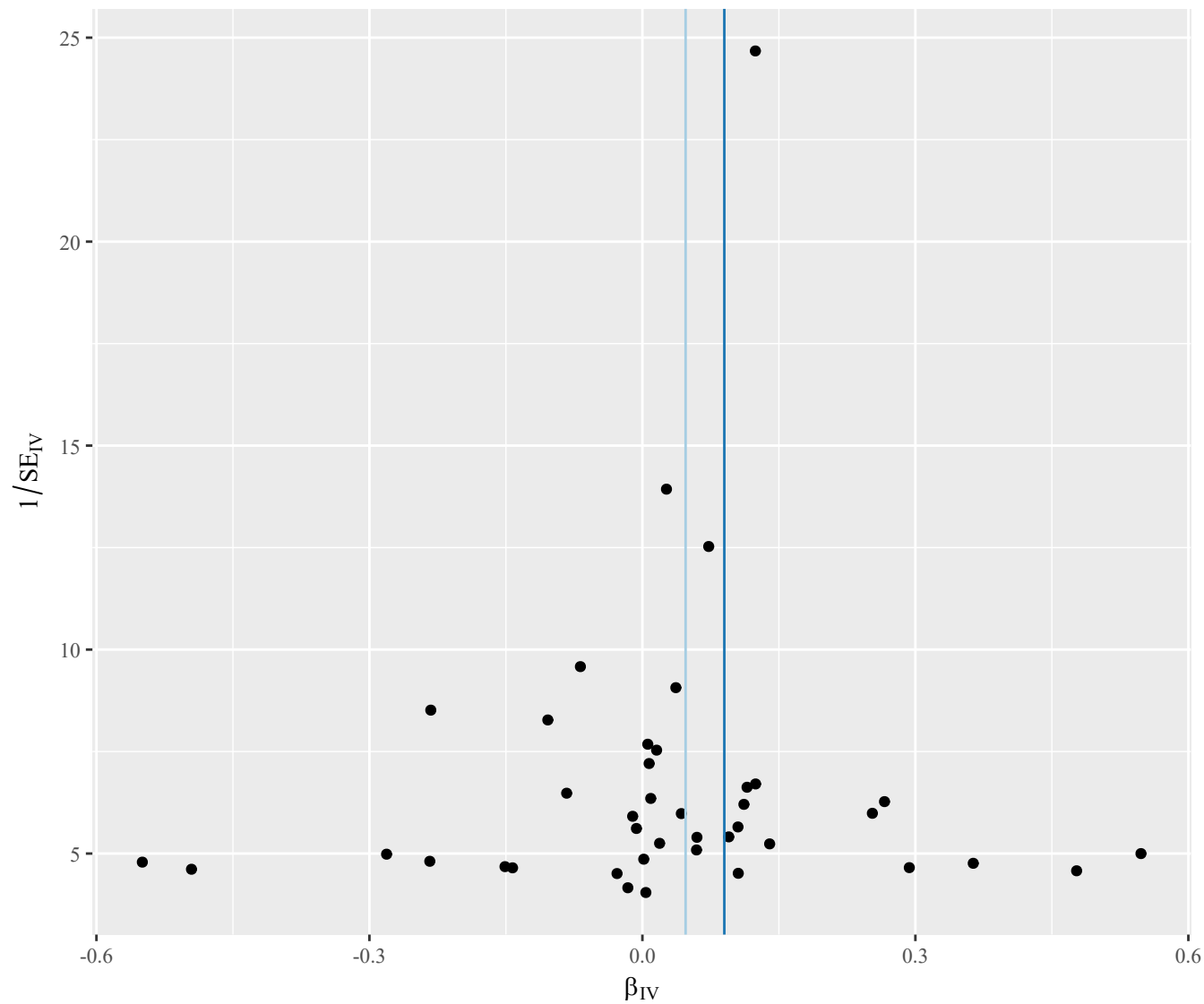
MR Method



MR Method

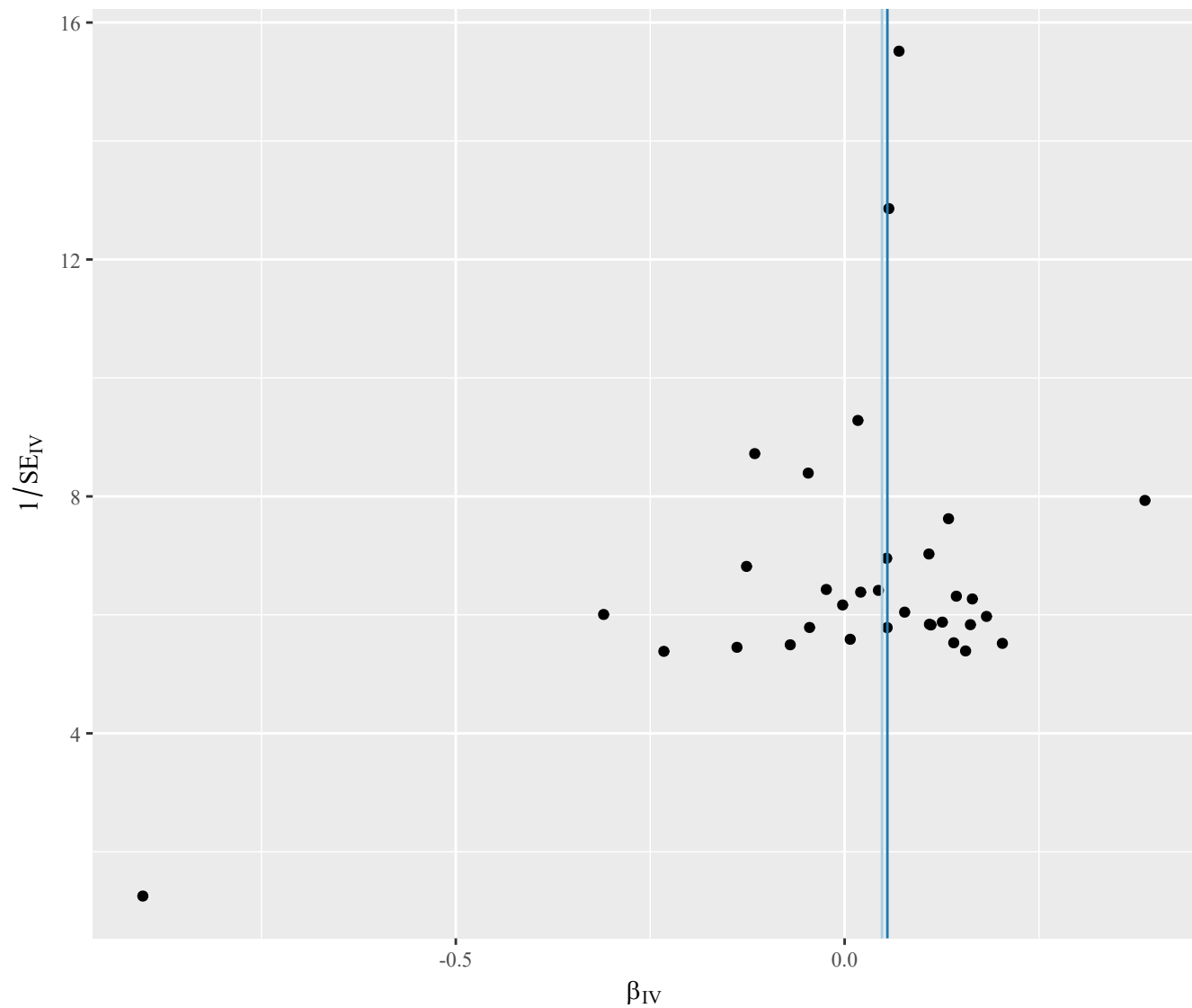
Inverse variance weighted

MR Egger

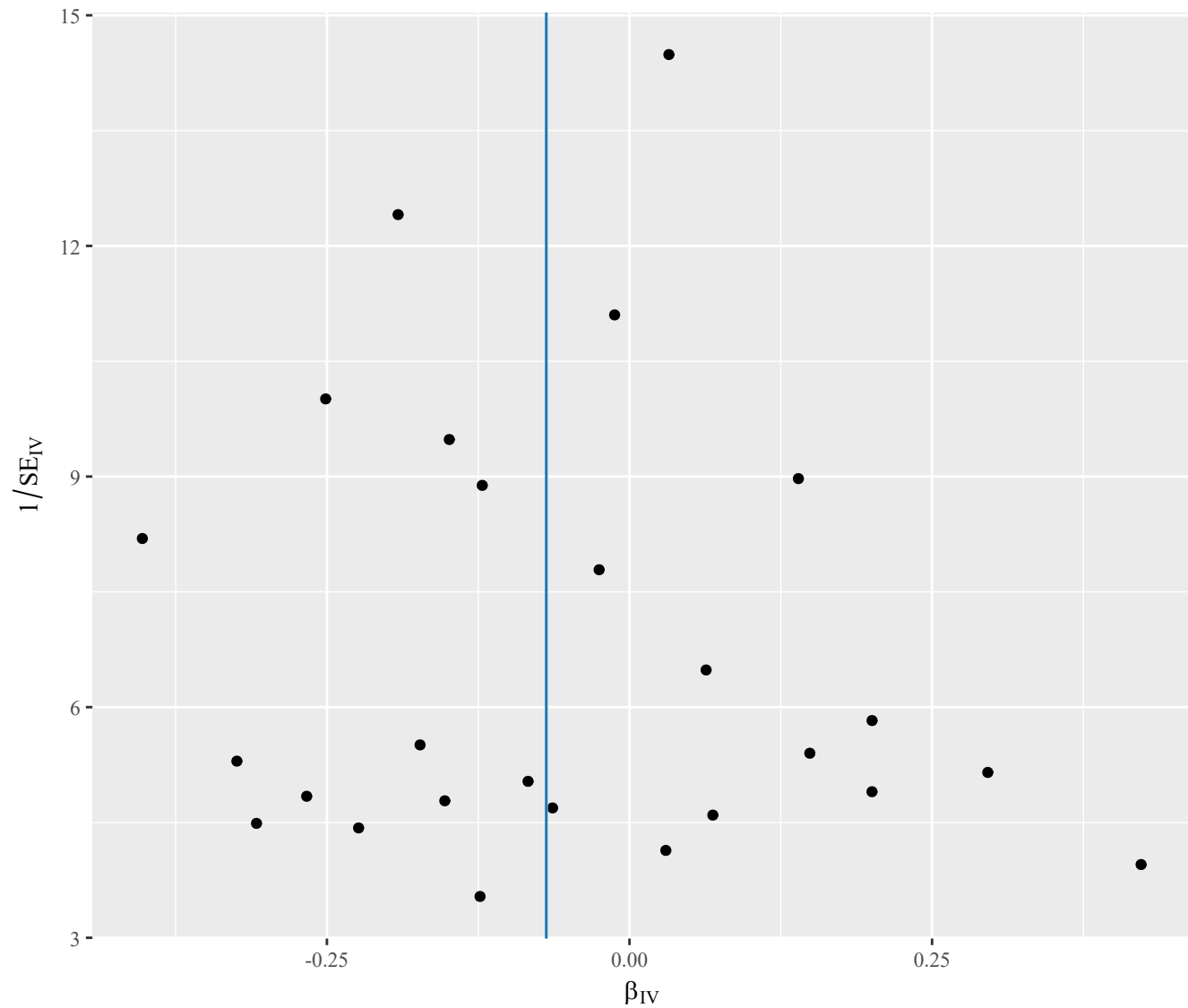
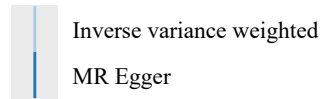


MR Method

- Inverse variance weighted
- MR Egger

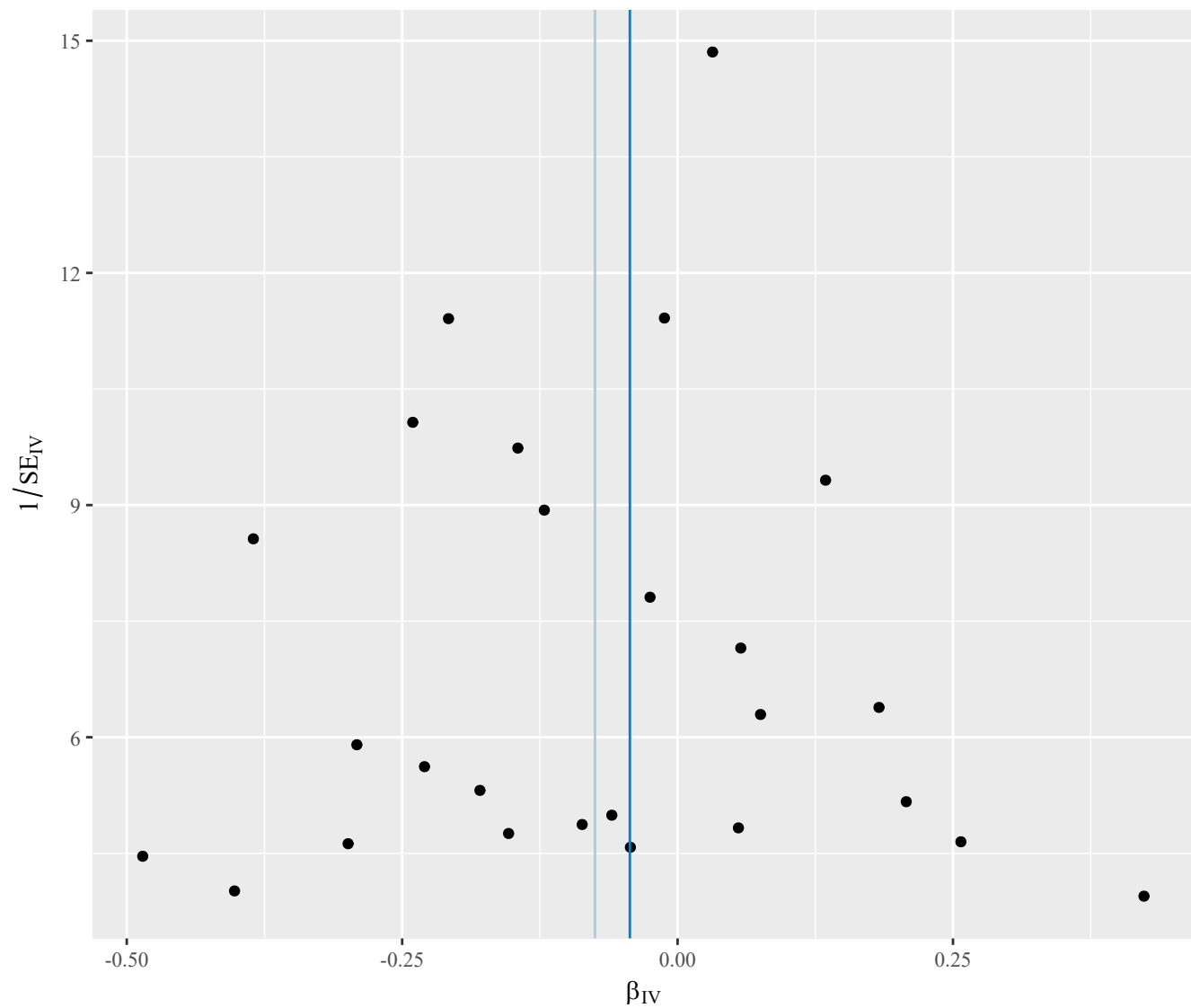


MR Method

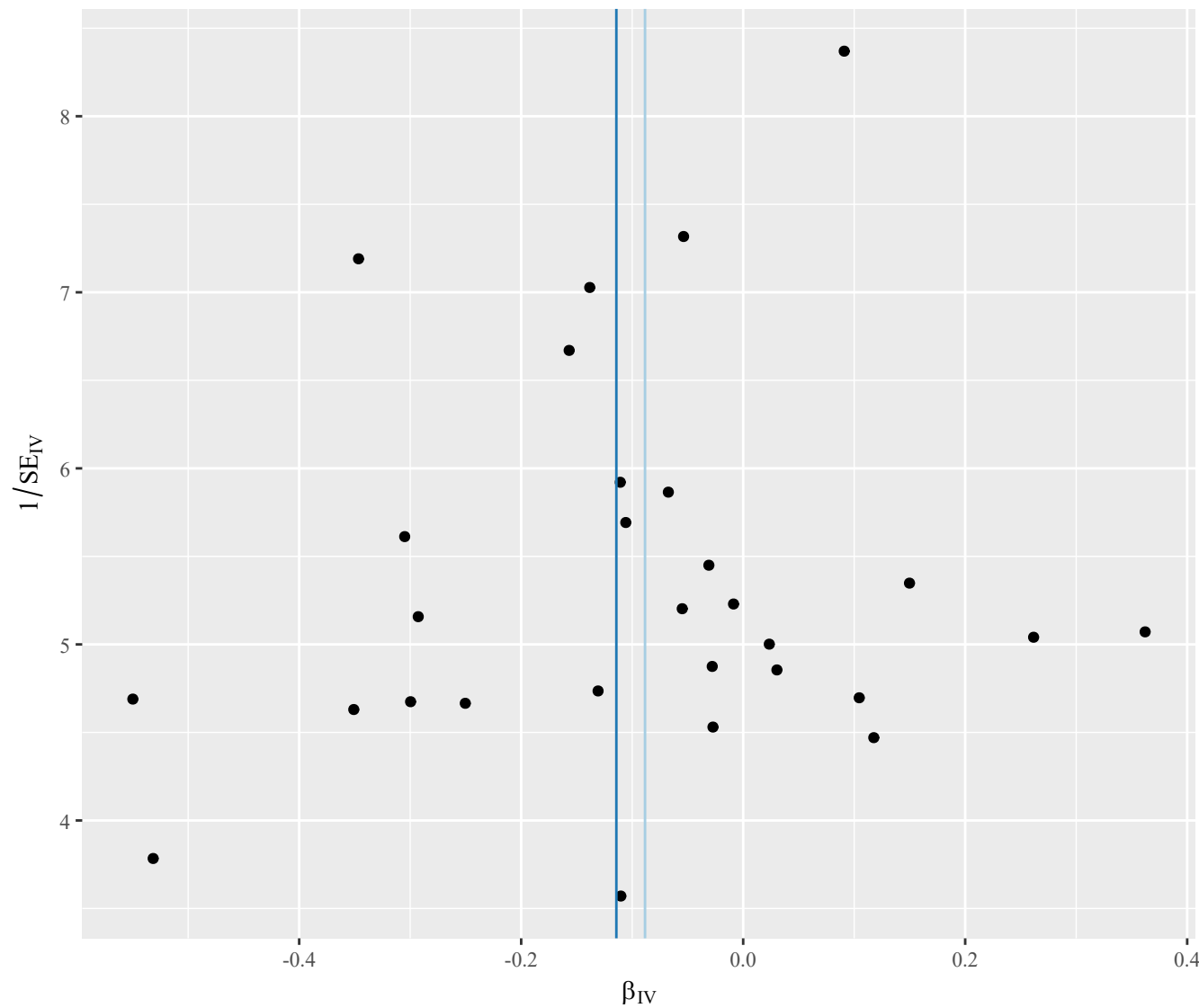
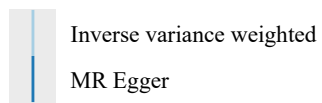


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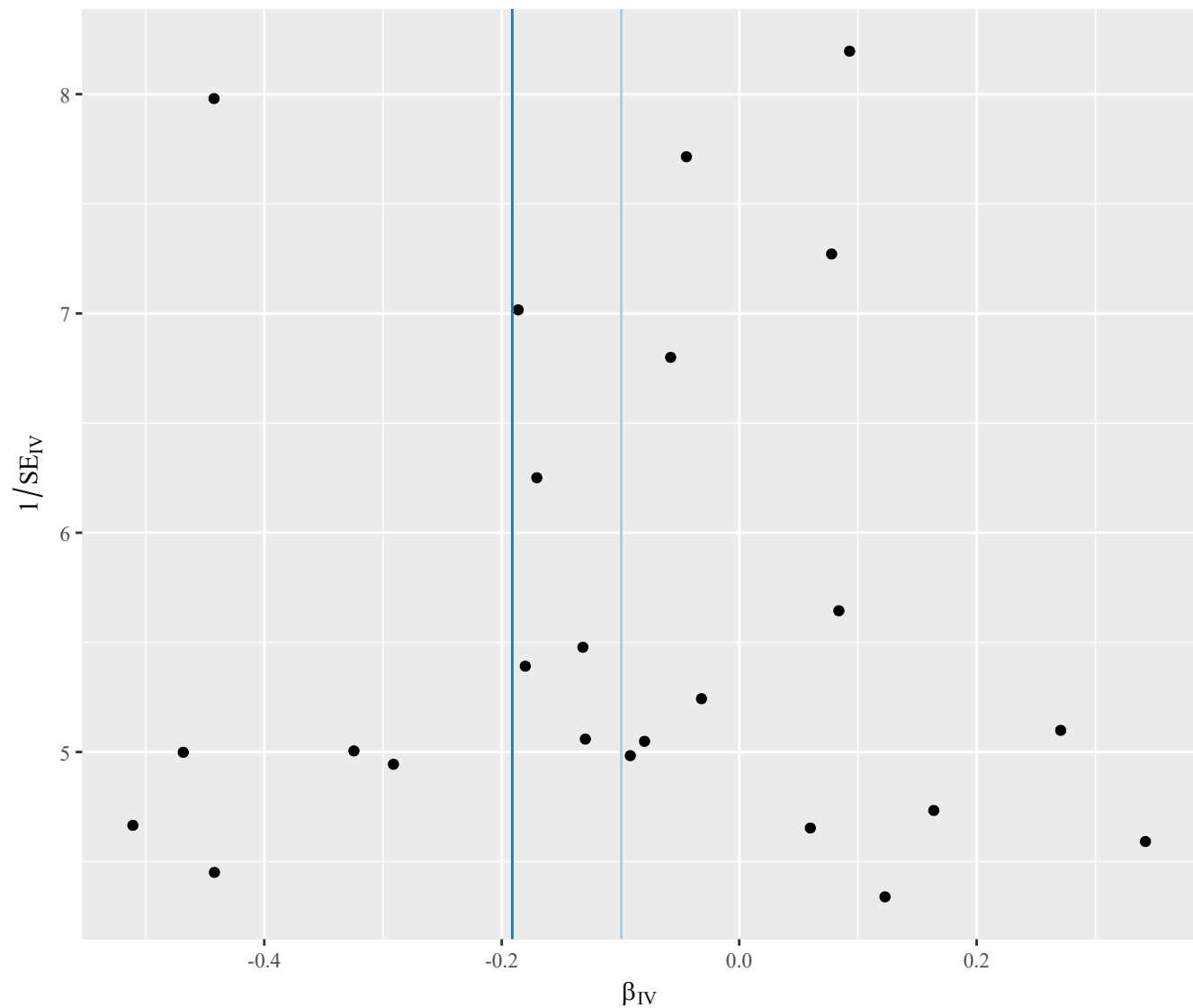
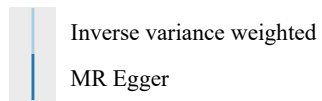
- Inverse variance weighted
- MR Egger



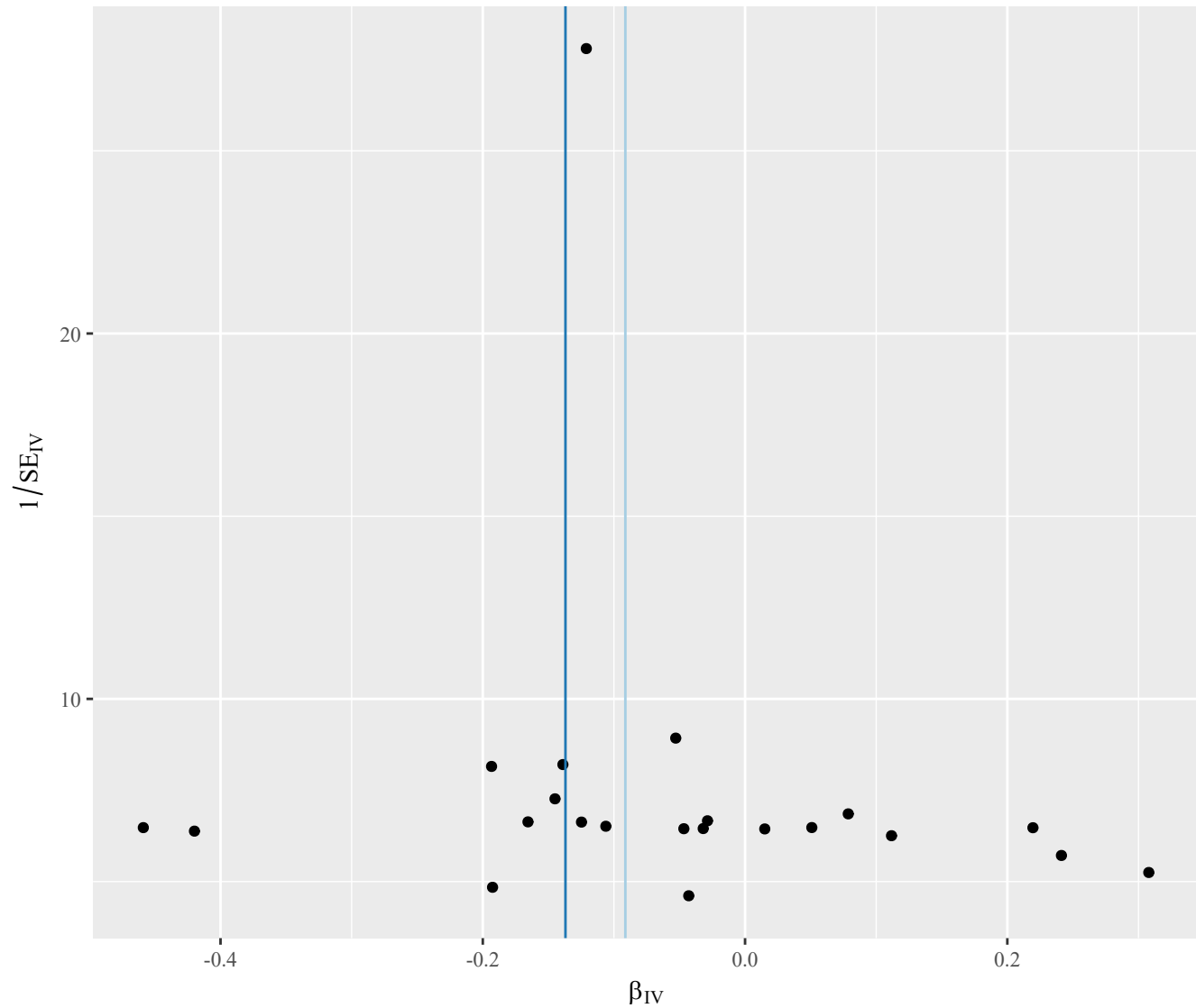
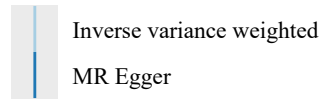
MR Method



MR Method

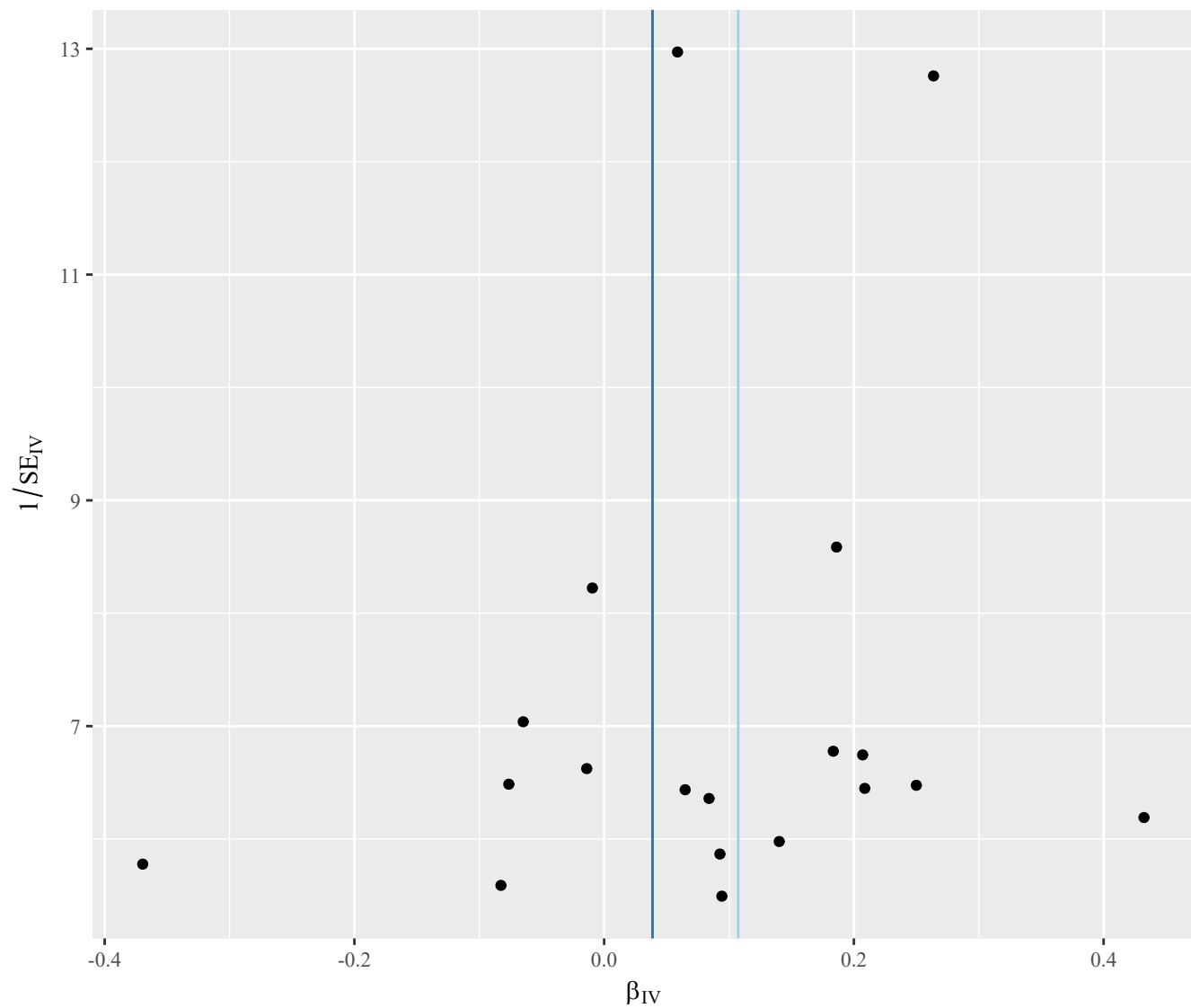


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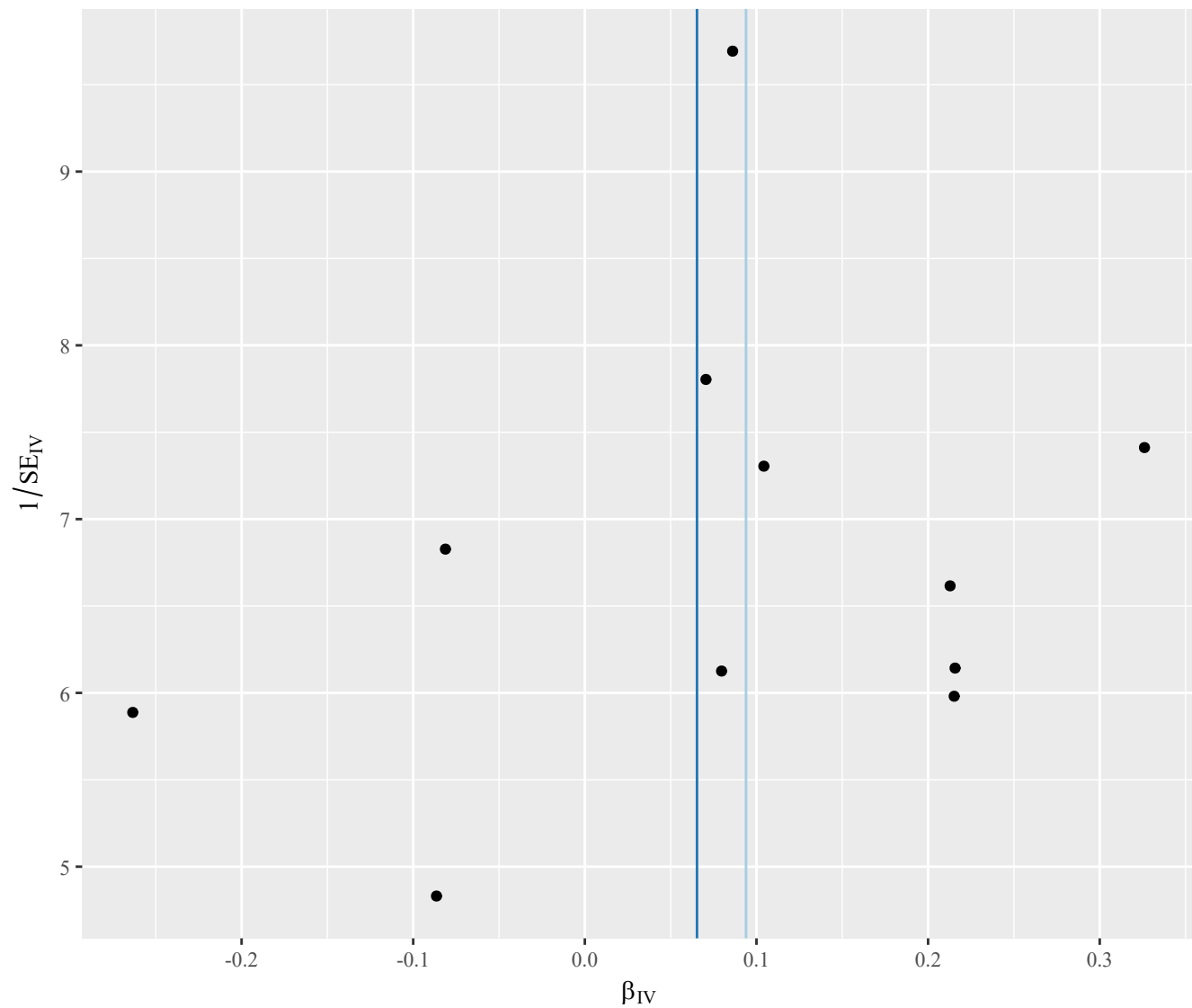
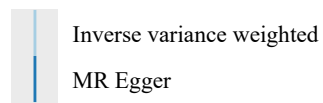


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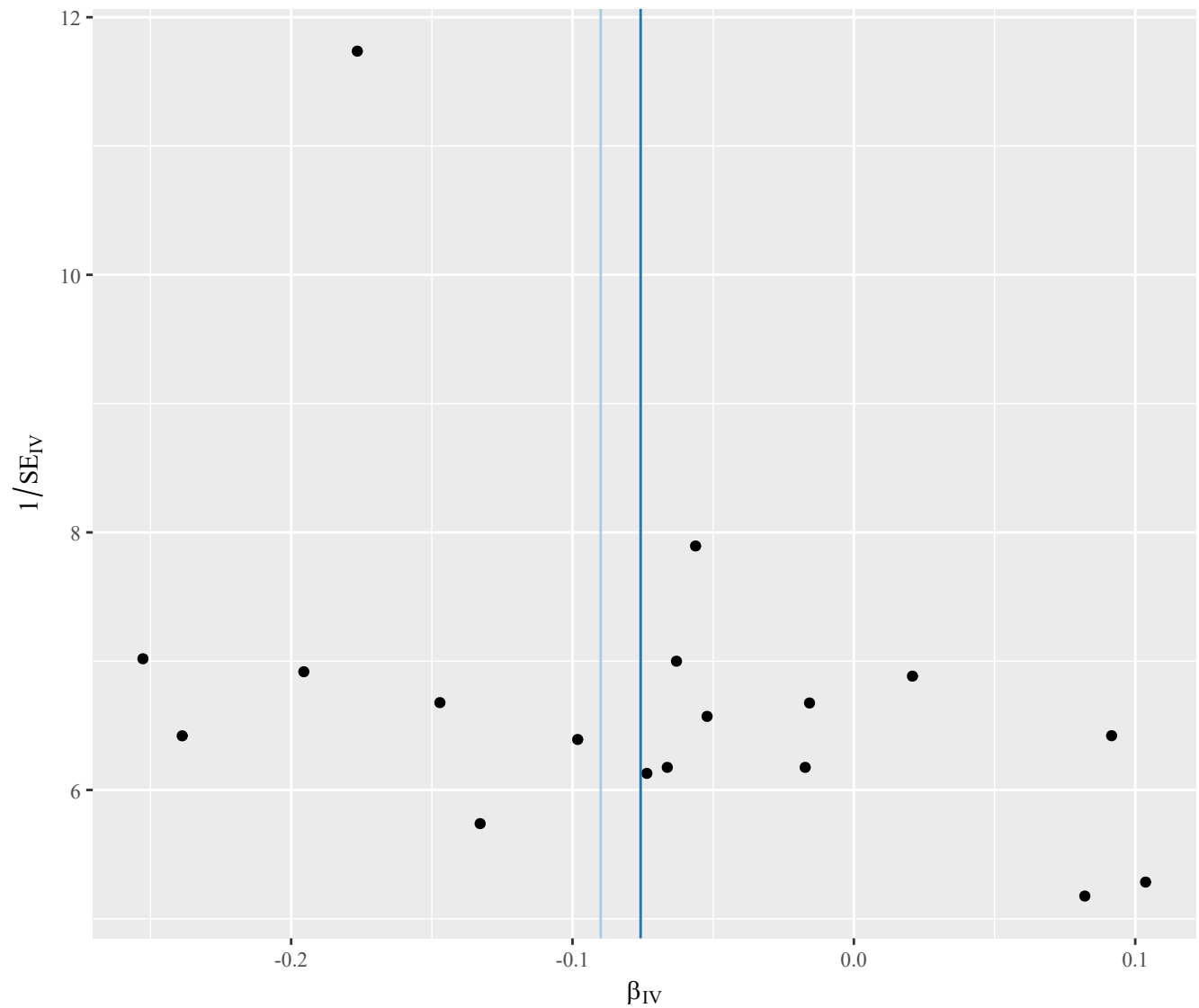
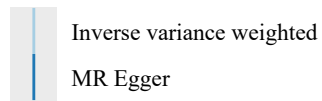
- Inverse variance weighted
- MR Egger



MR Method

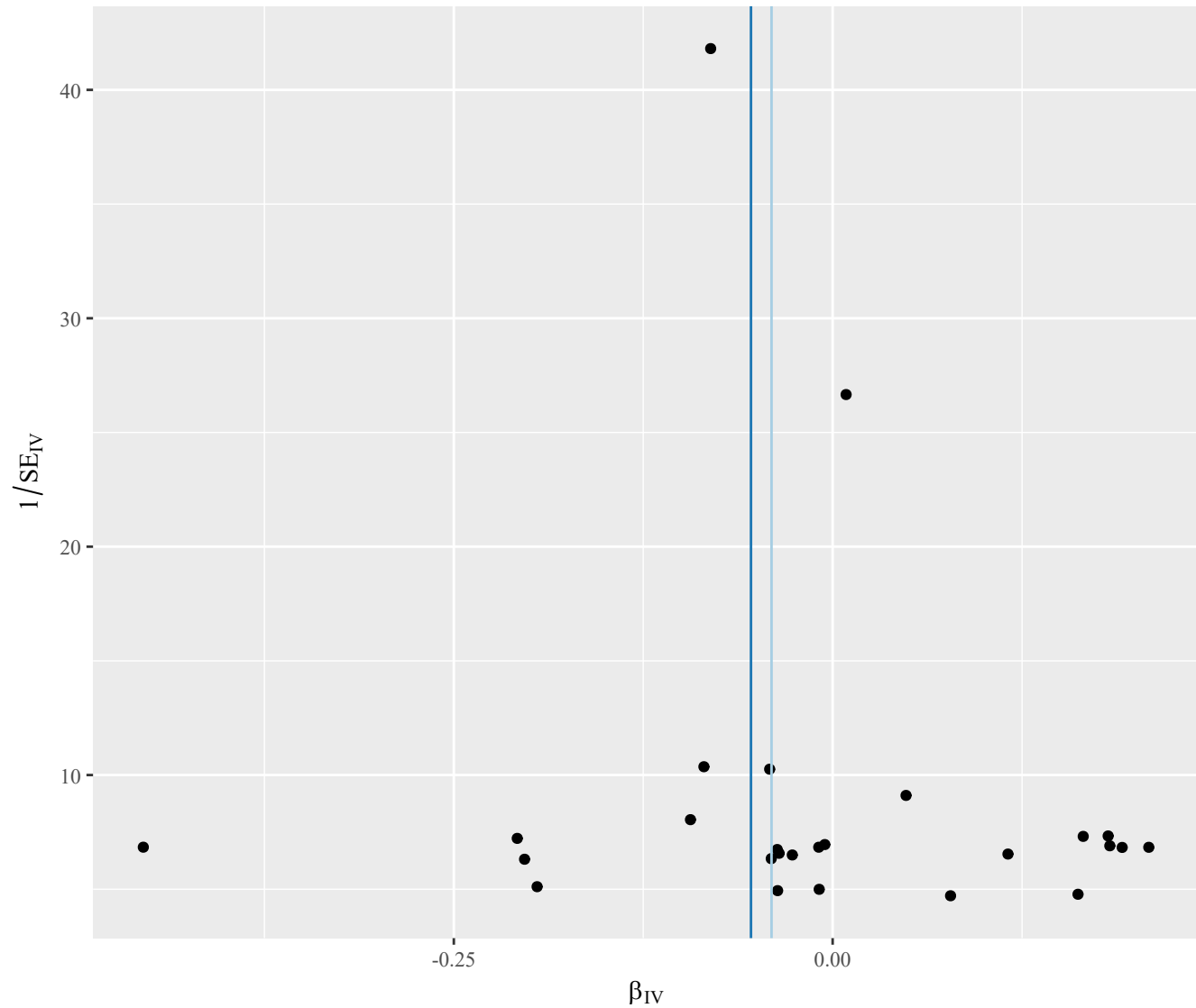


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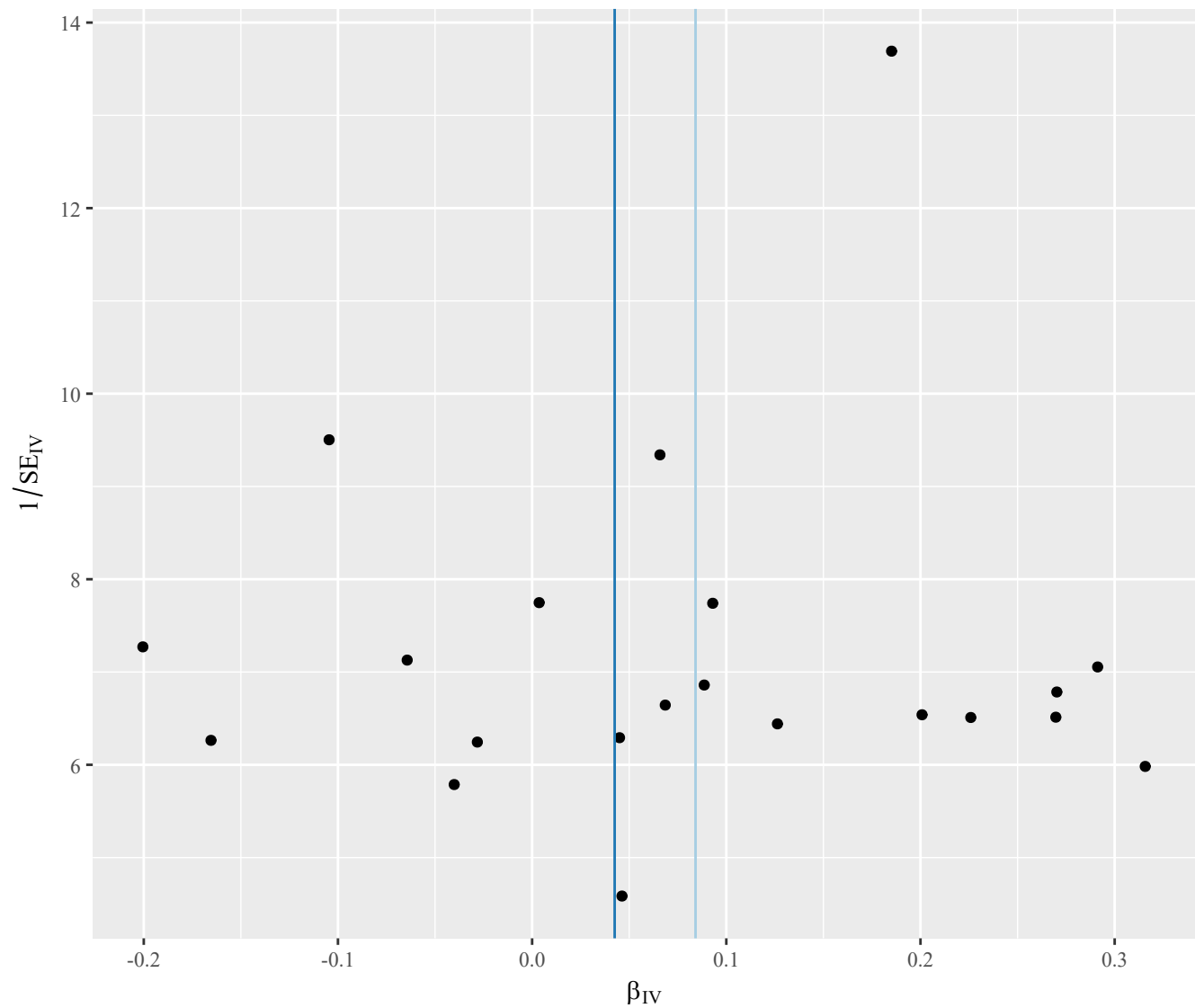
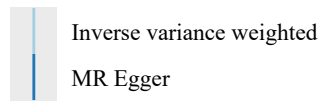


MR Method

- Inverse variance weighted
- MR Egger

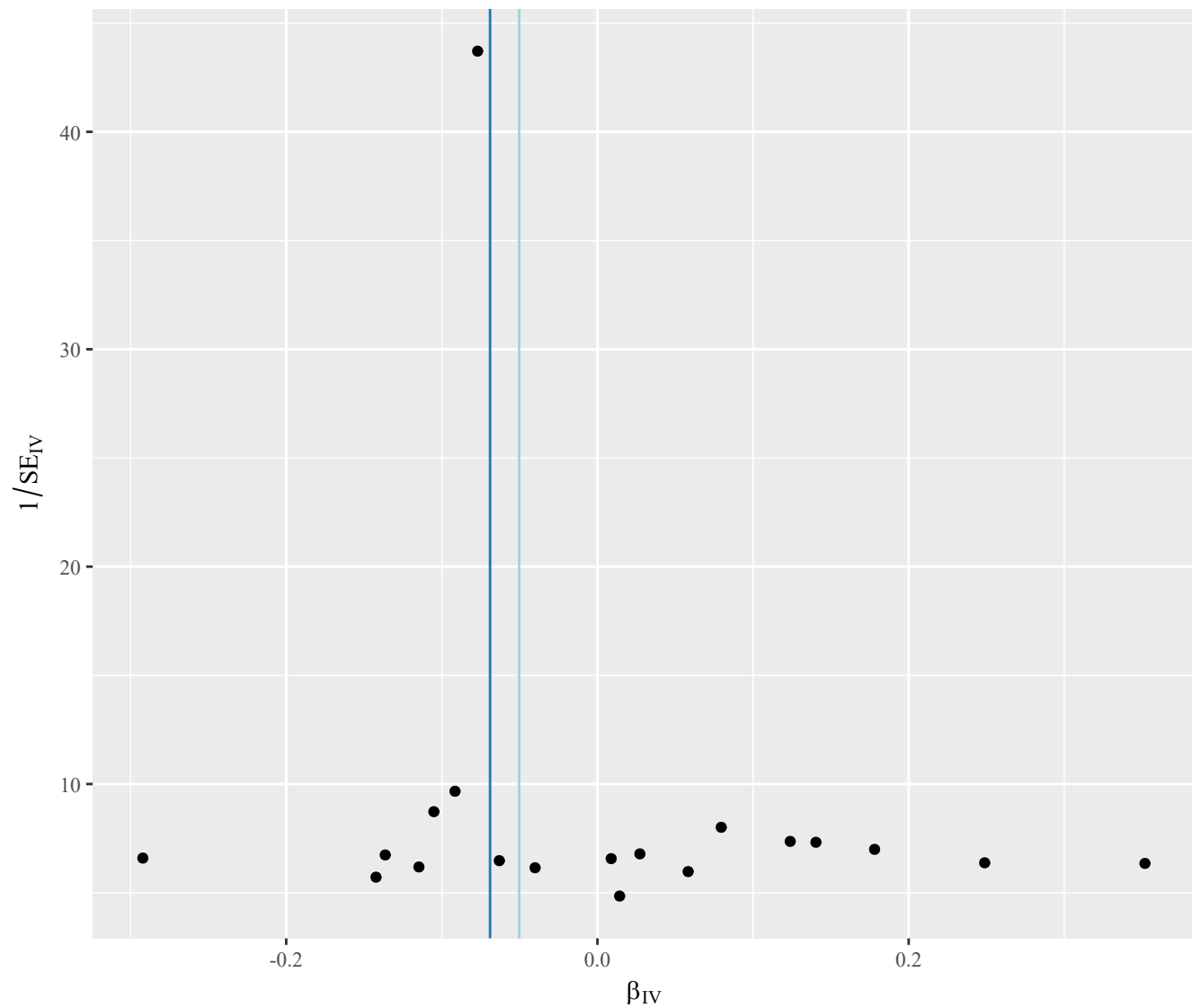


MR Method



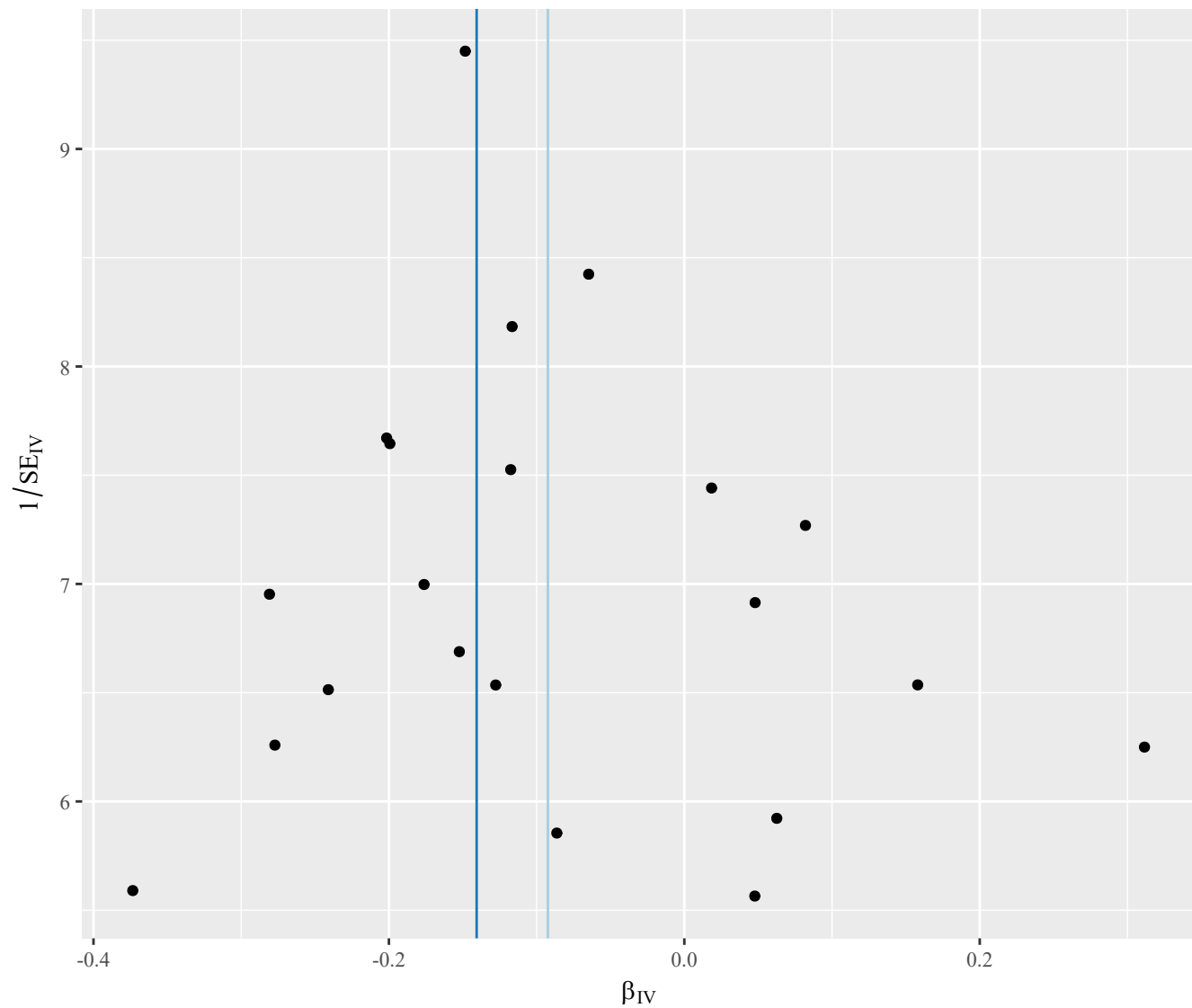
MR Method

- Inverse variance weighted
- MR Egger

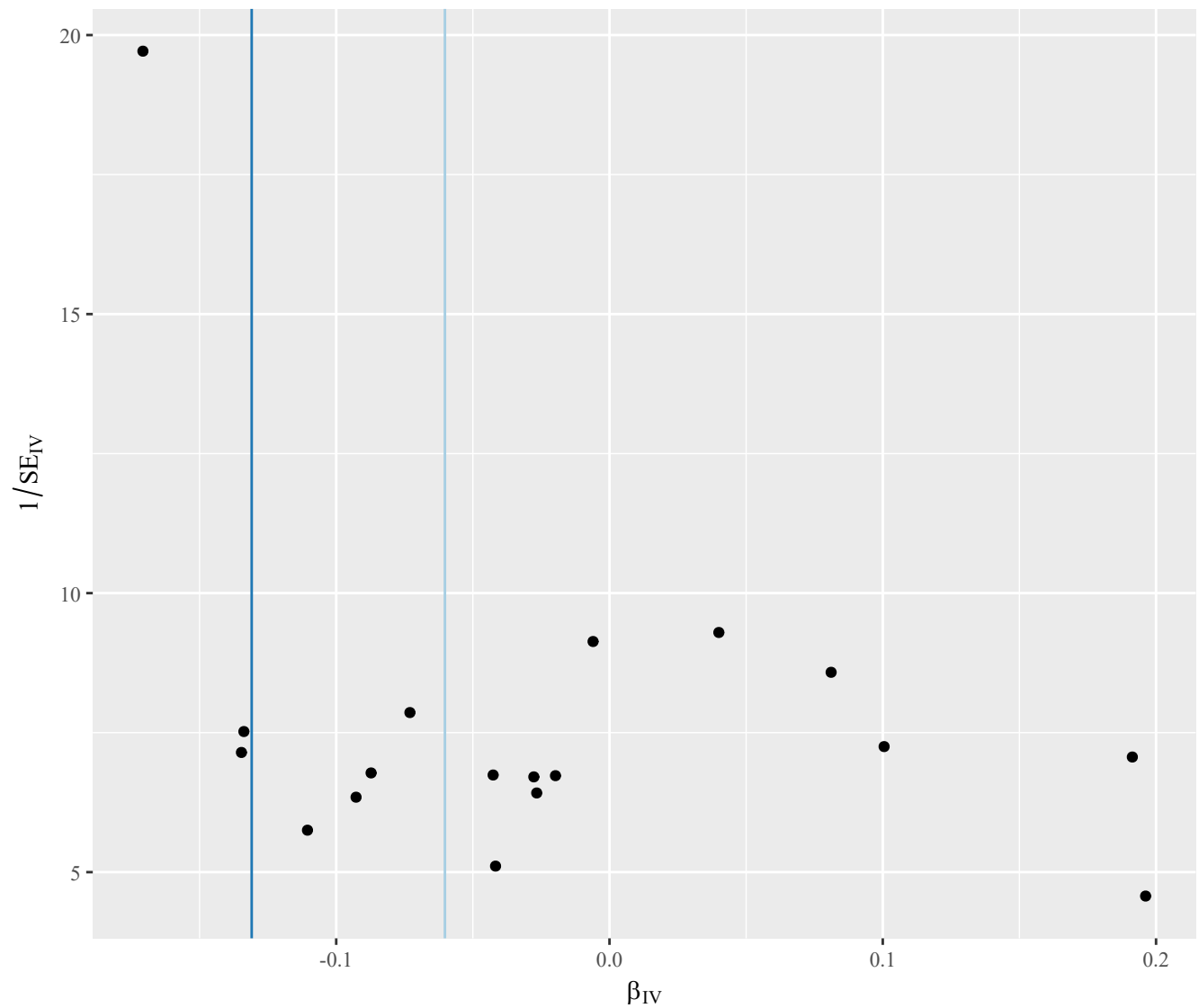
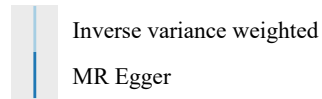


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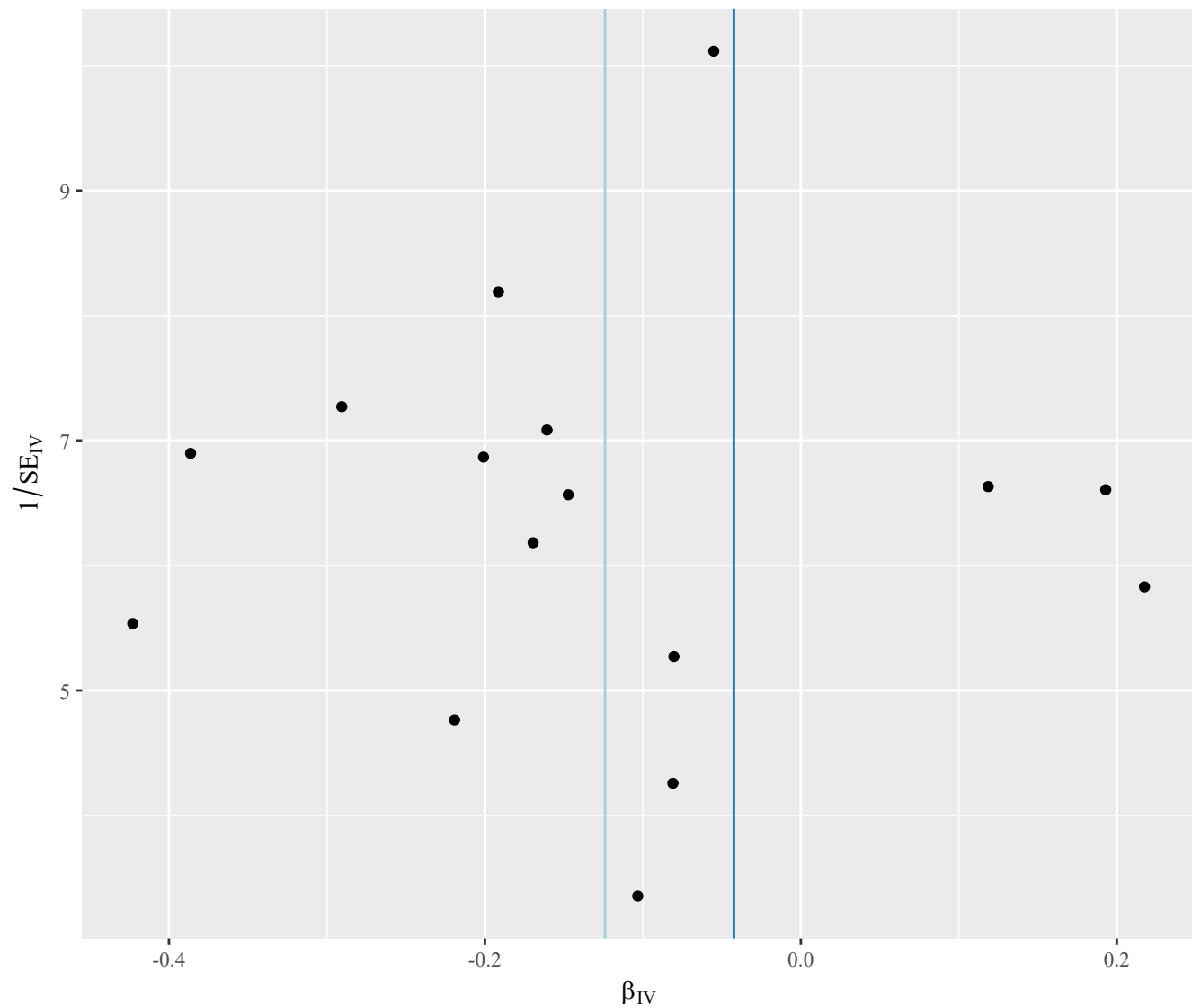
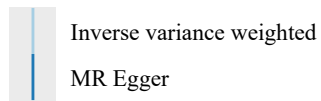
Inverse variance weighted
MR Egger



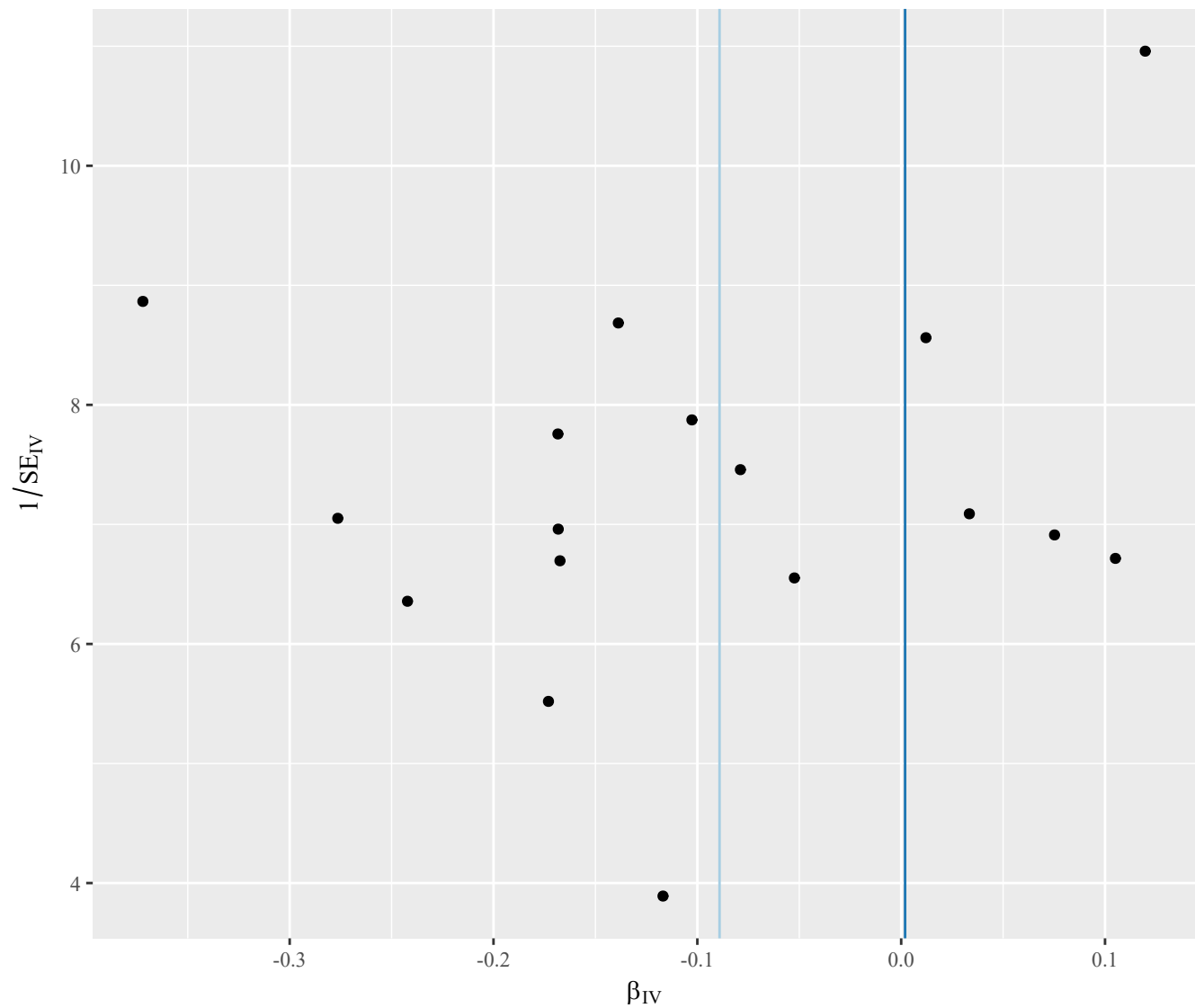
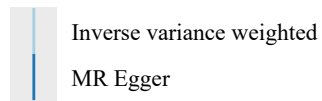
MR Method



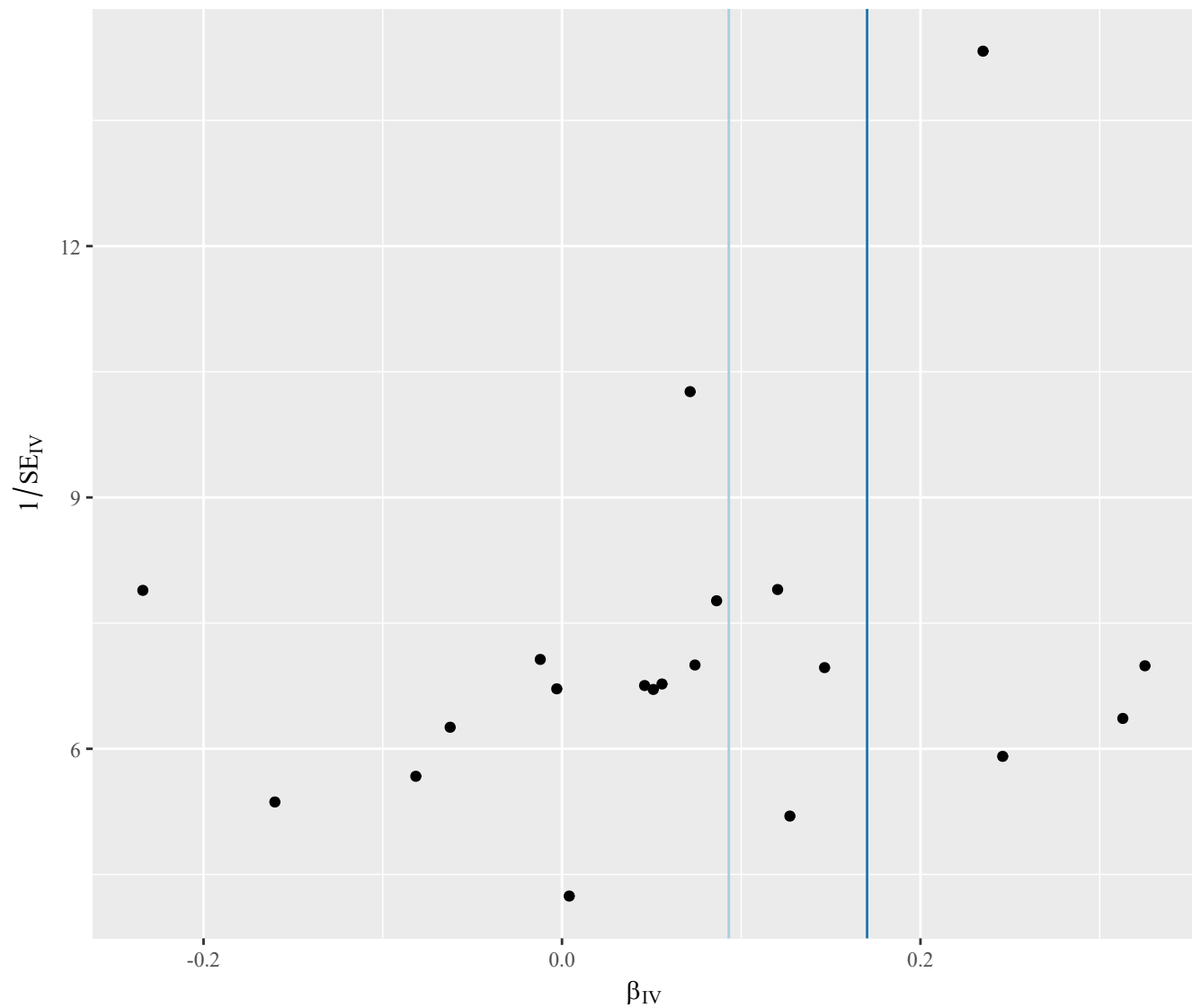
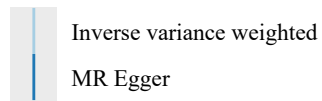
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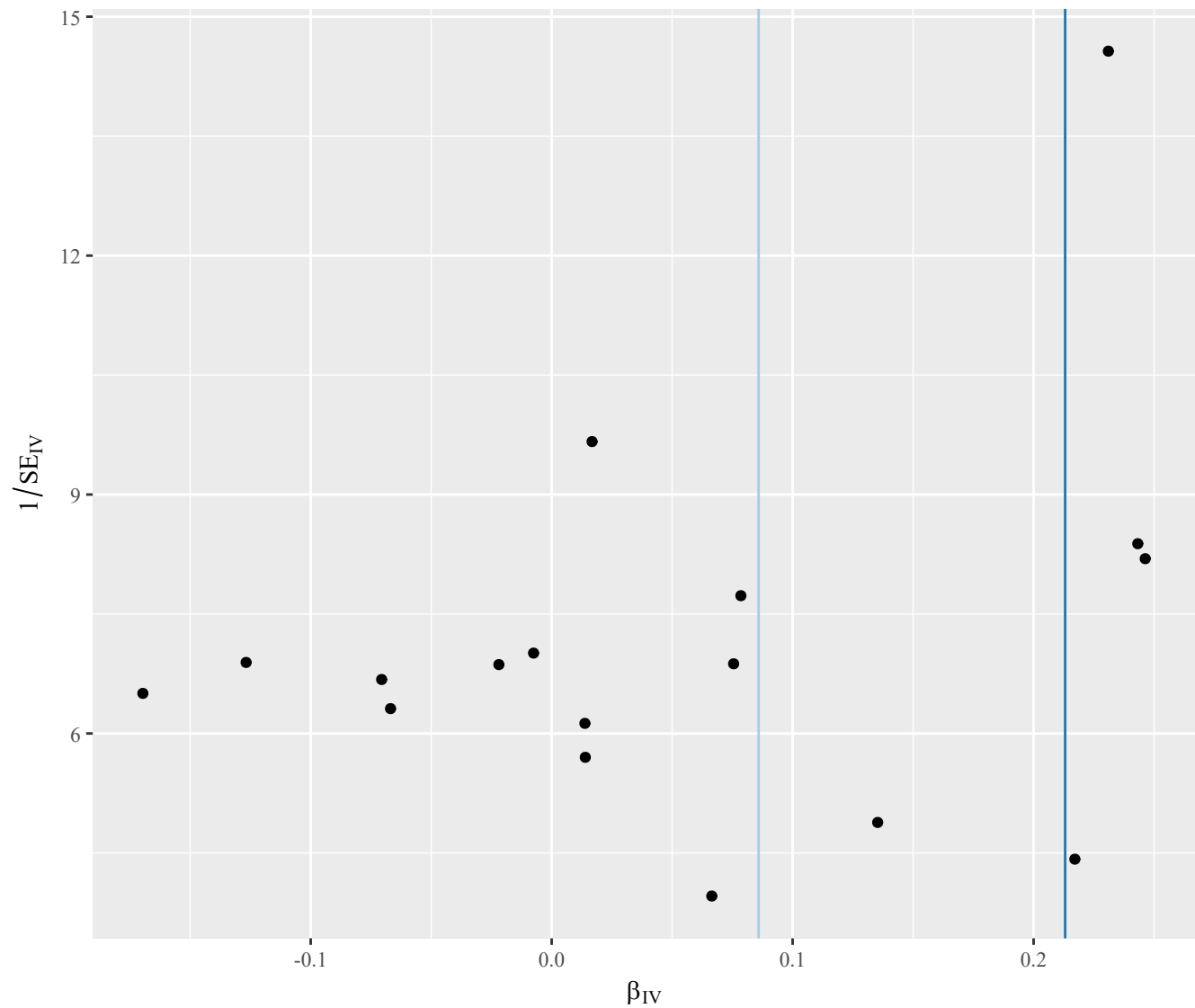
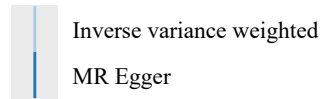
MR Method



MR Method

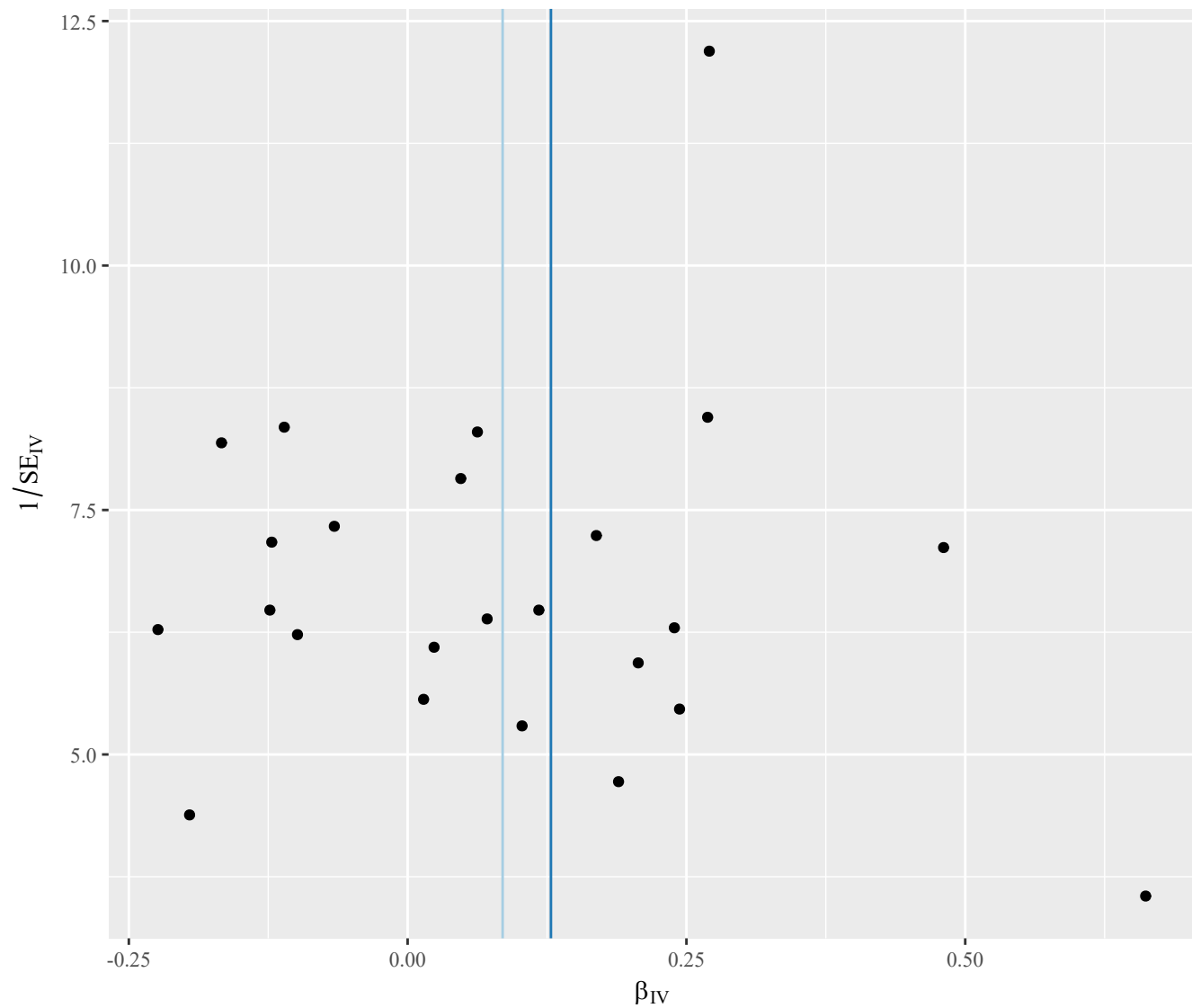


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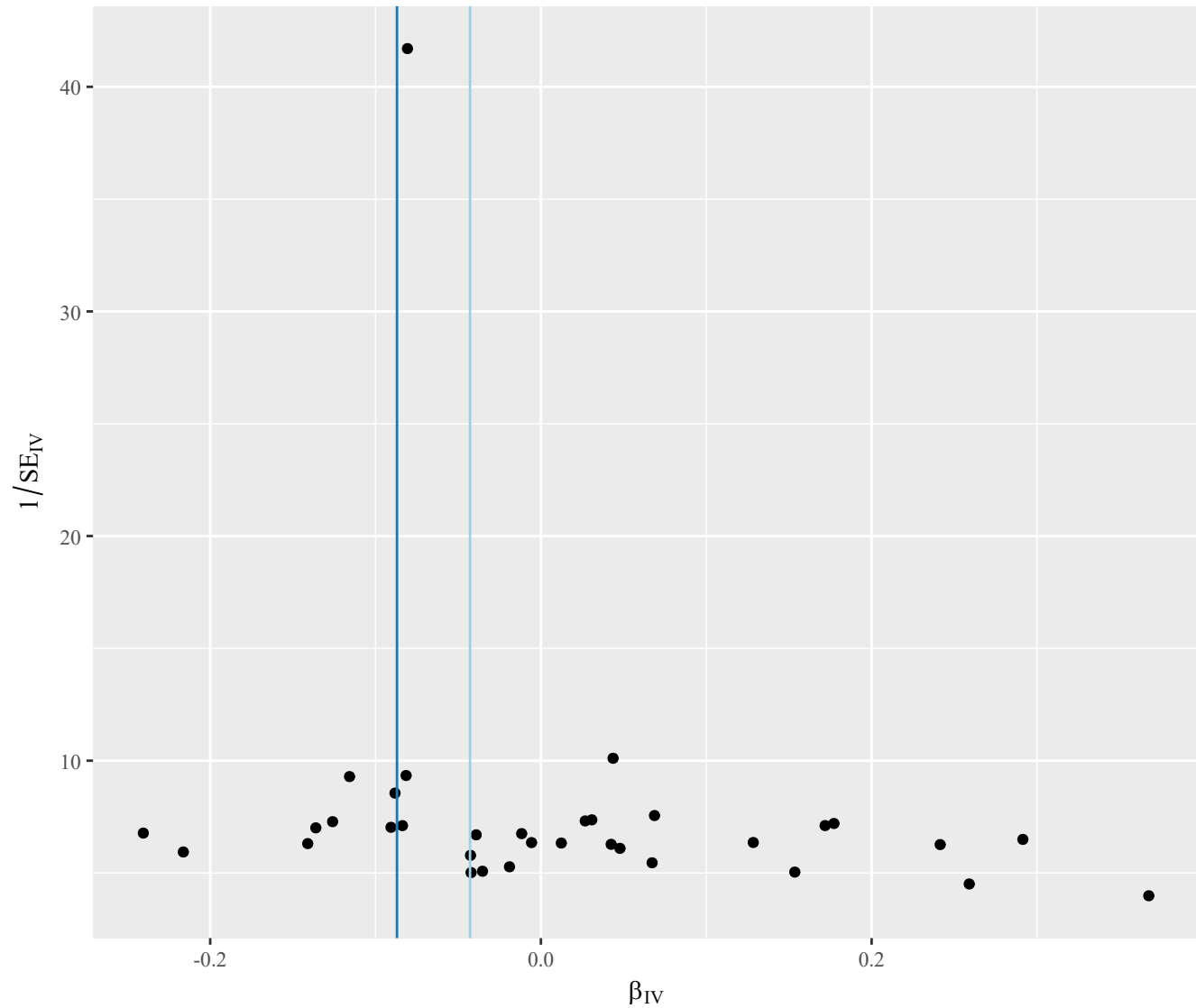
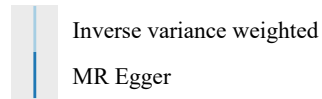


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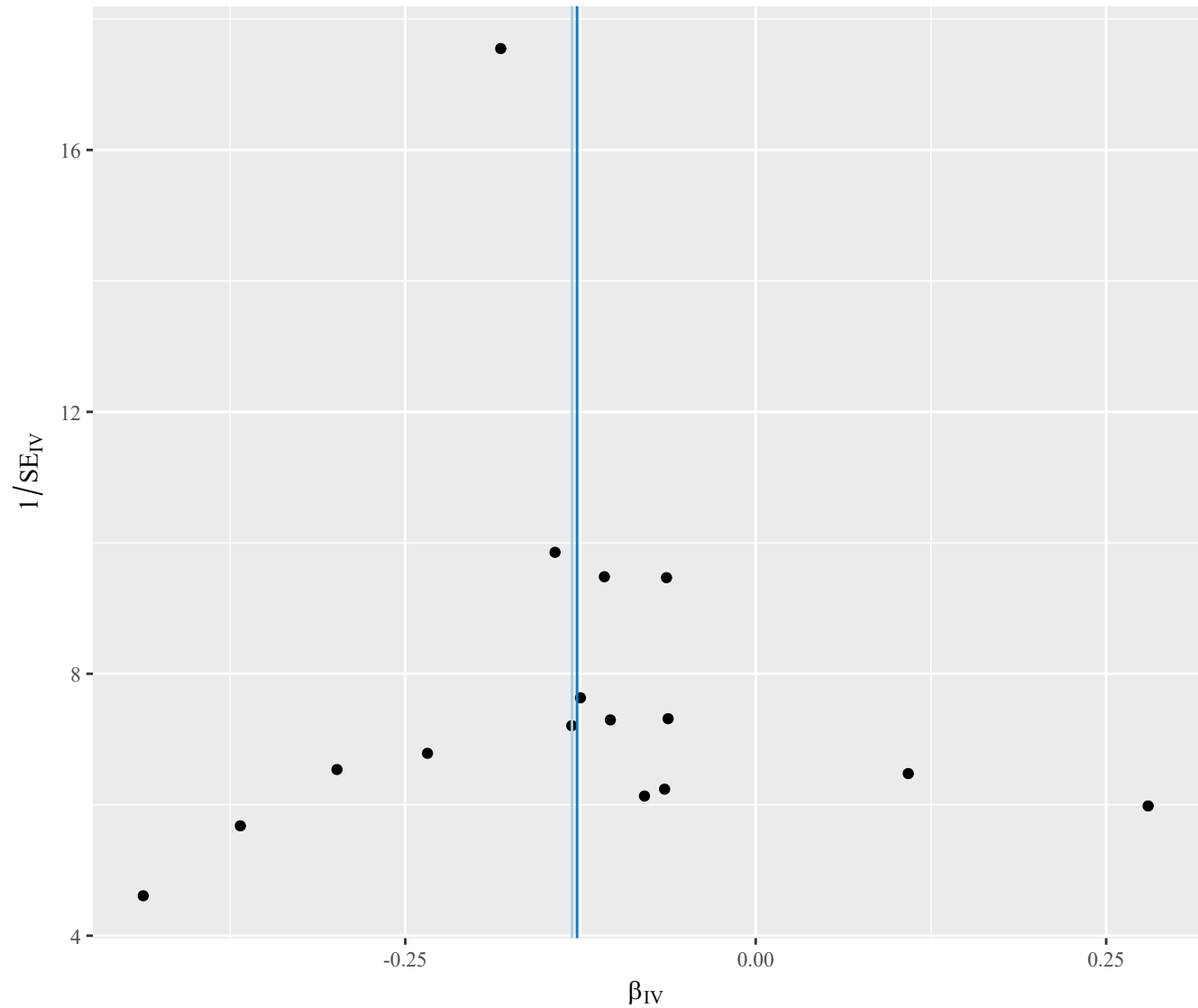
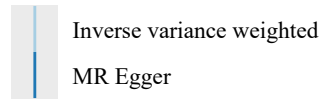
- Inverse variance weighted
- MR Egger



MR Method

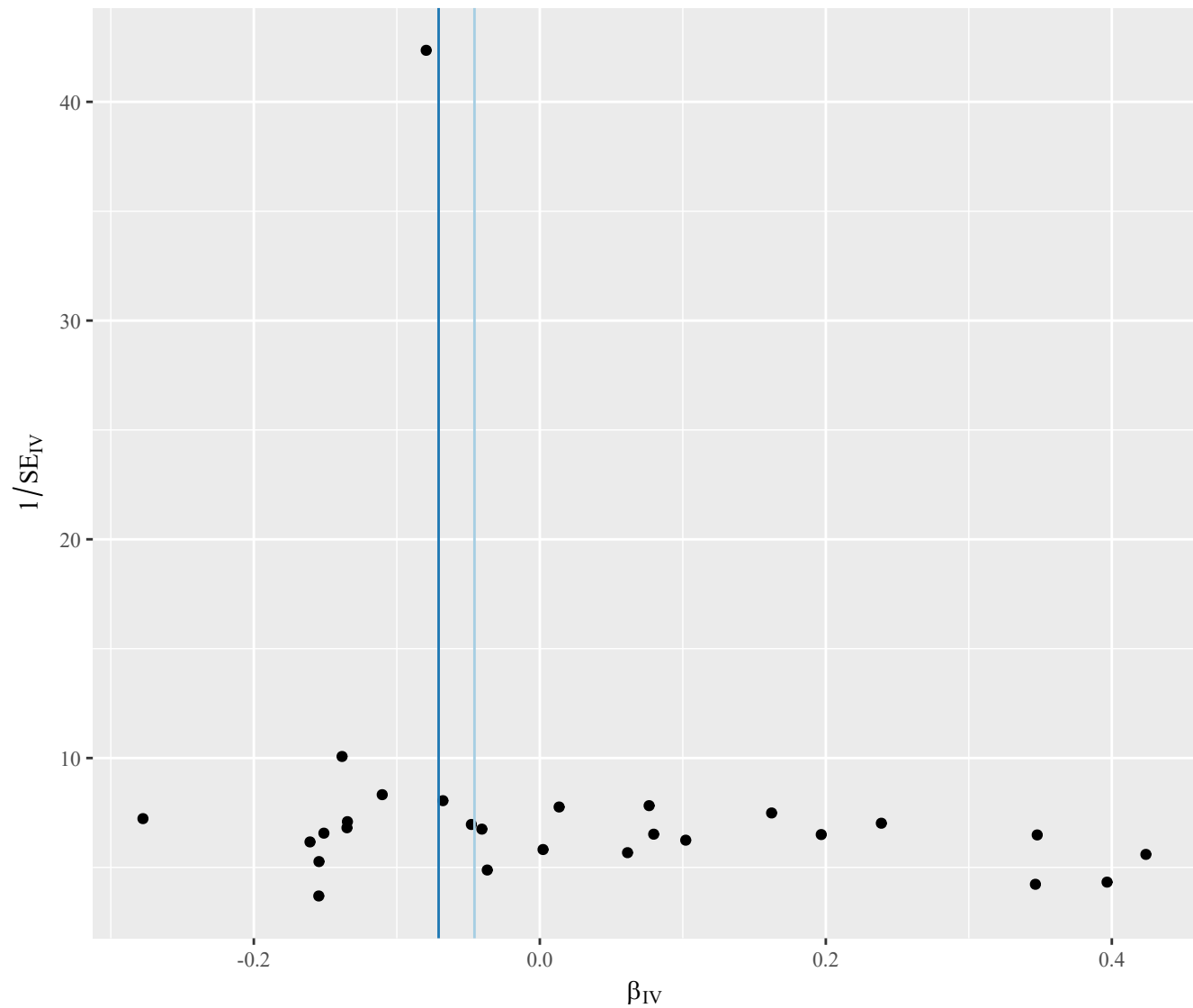


MR Method

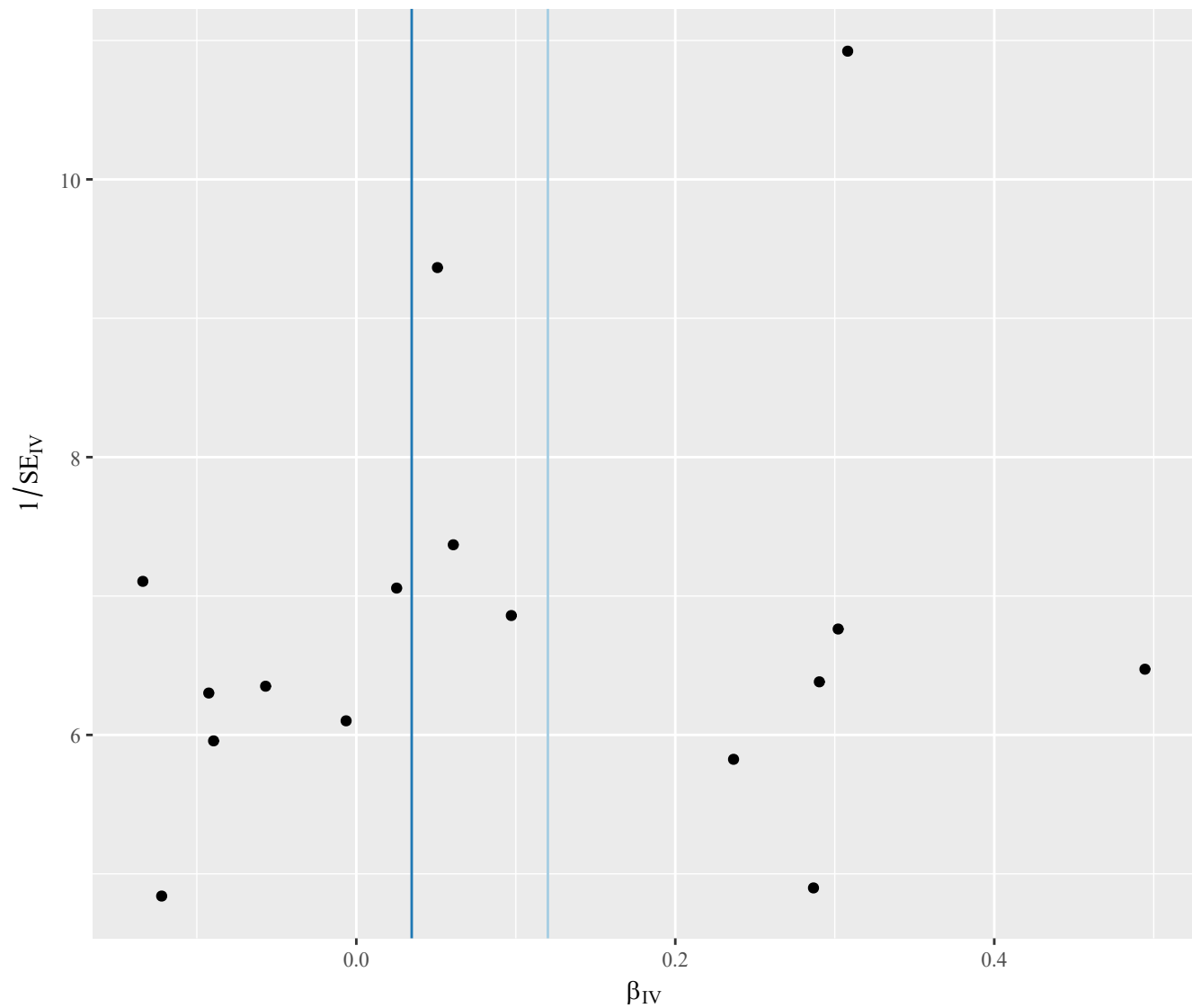
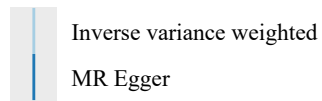


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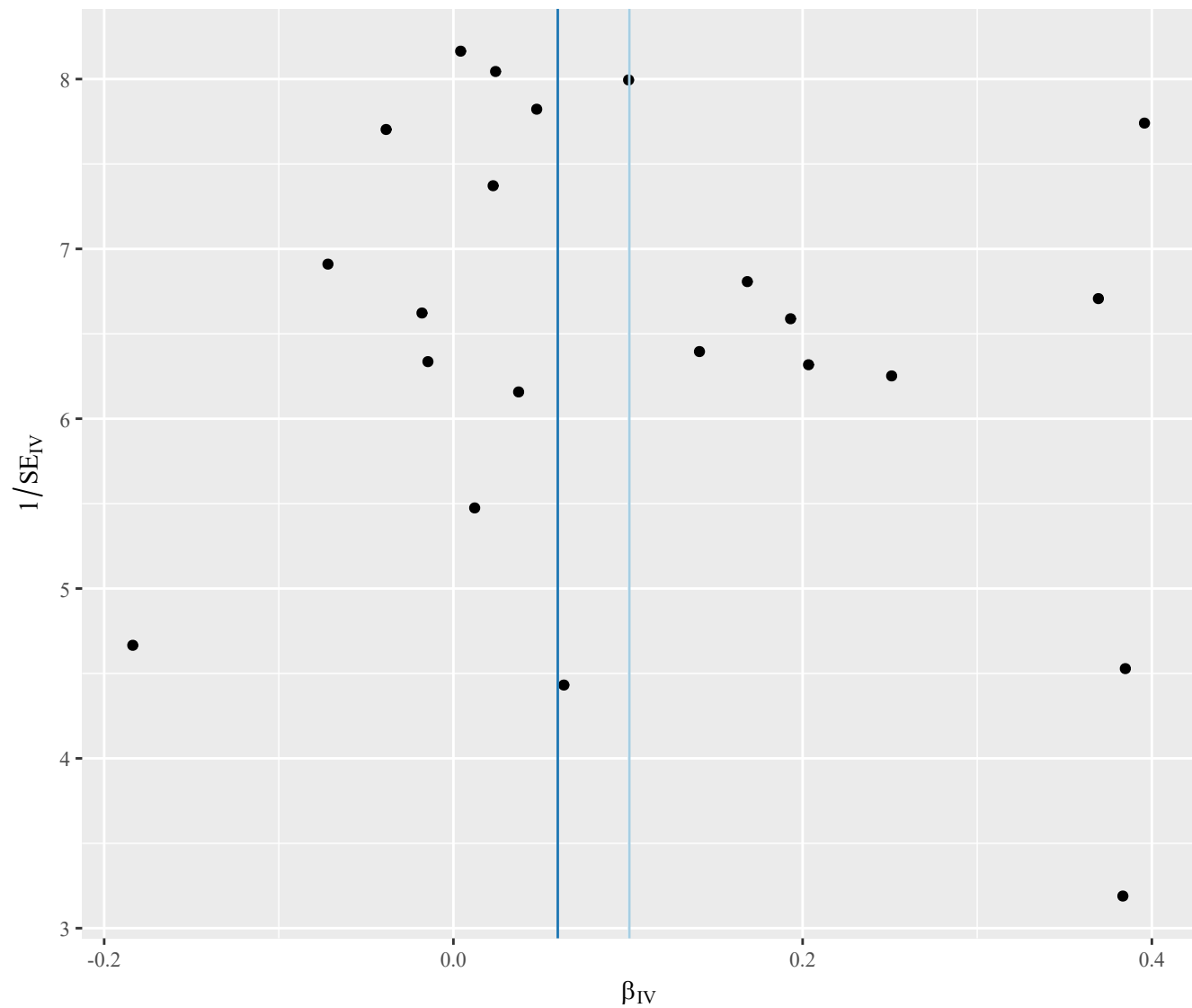
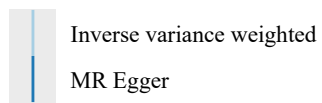
- Inverse variance weighted
- MR Egger



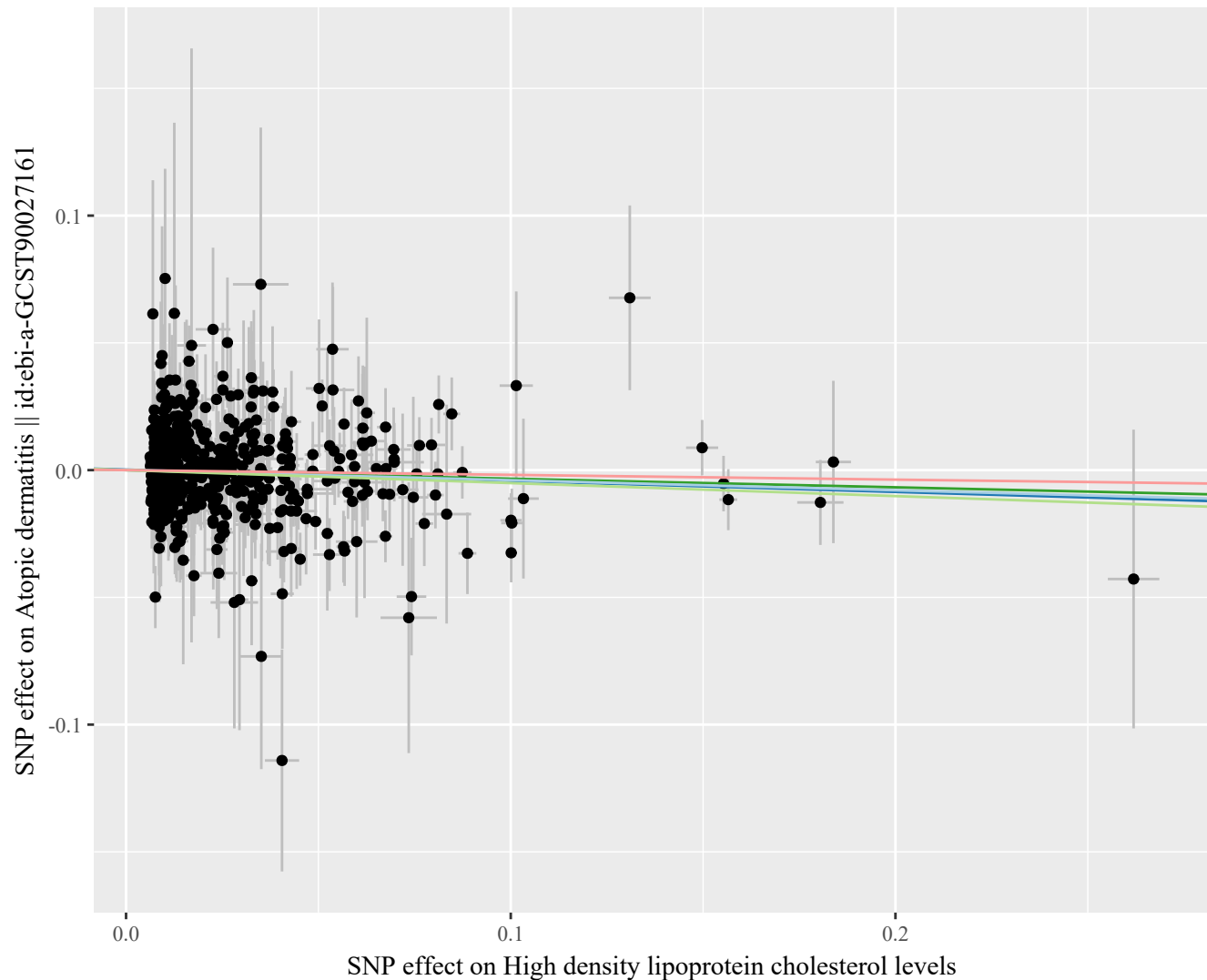
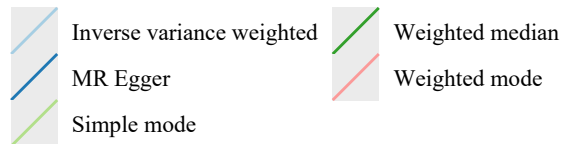
MR Method



MR Method



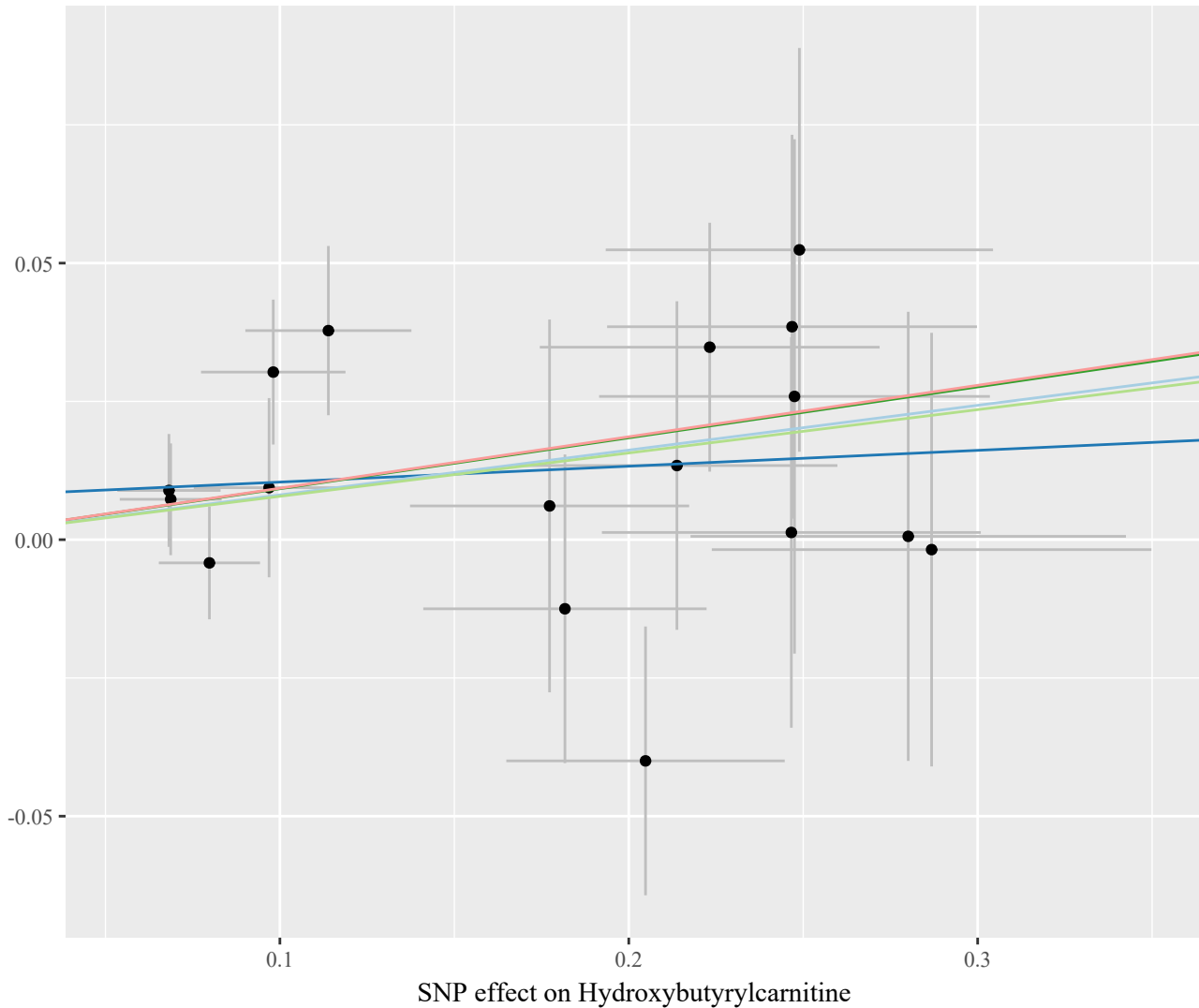
MR Test



MR Test

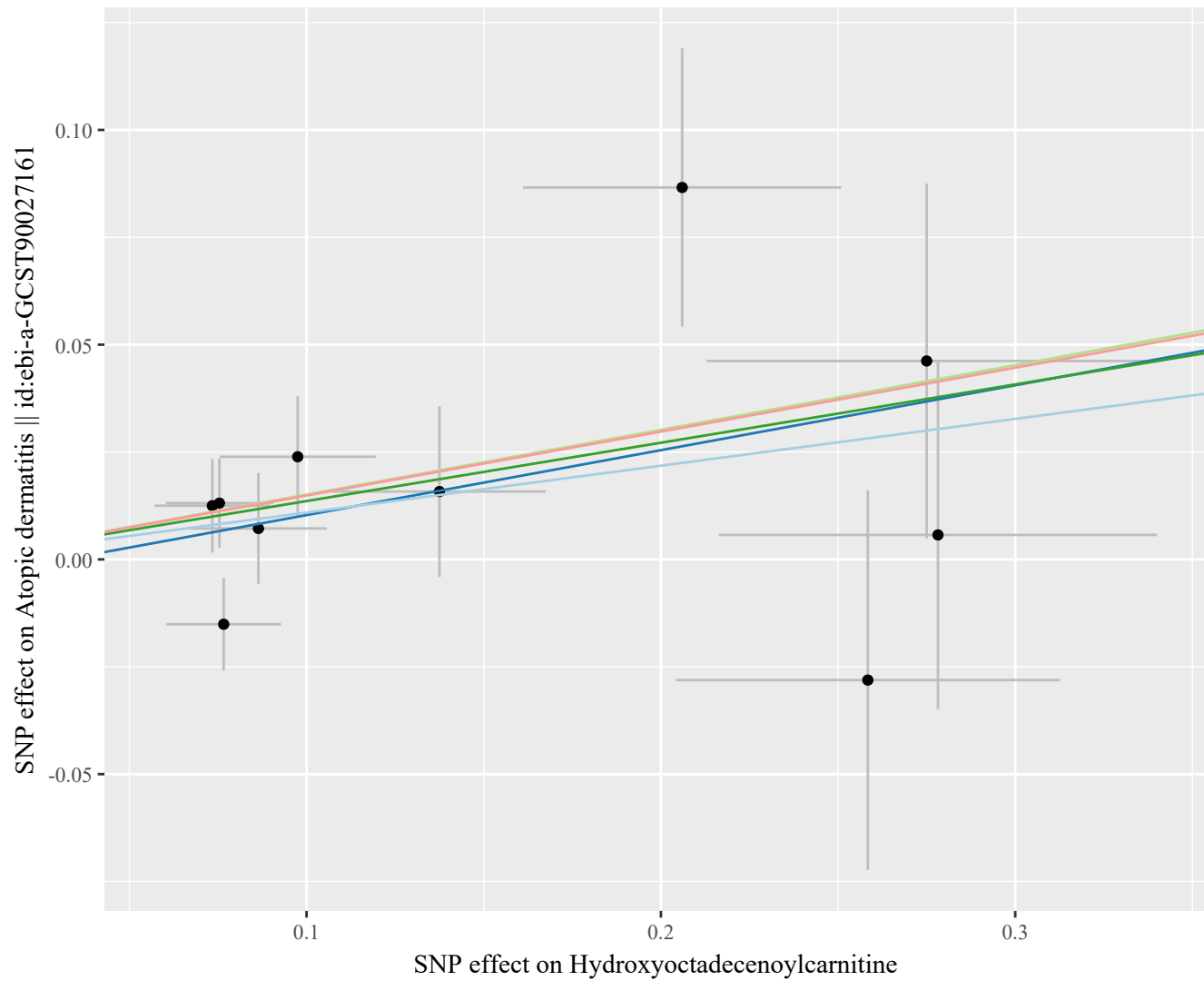
- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

SNP effect on Atopic dermatitis || id:ebi-a-GCST90027161



MR Test

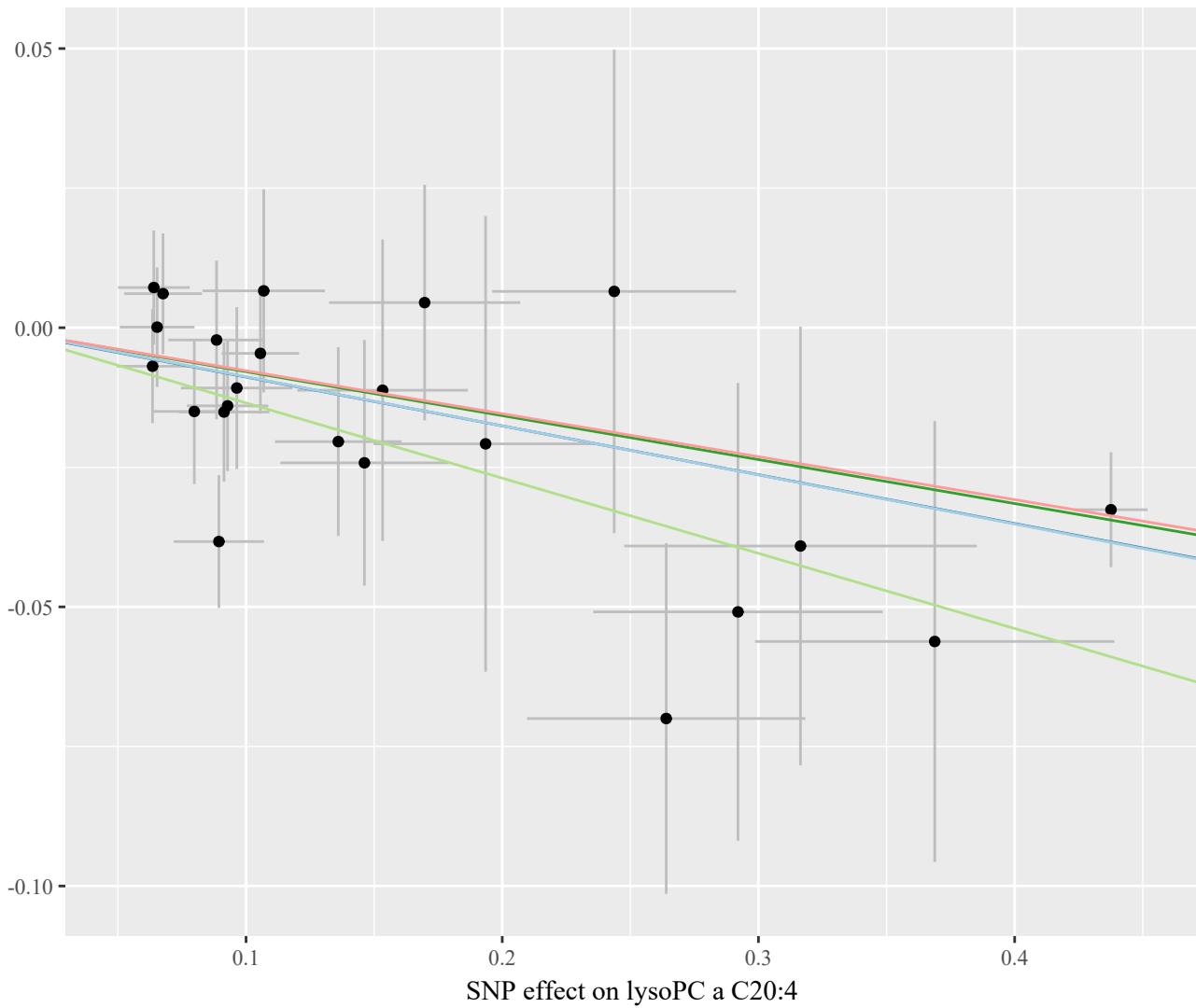
- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode



MR Test

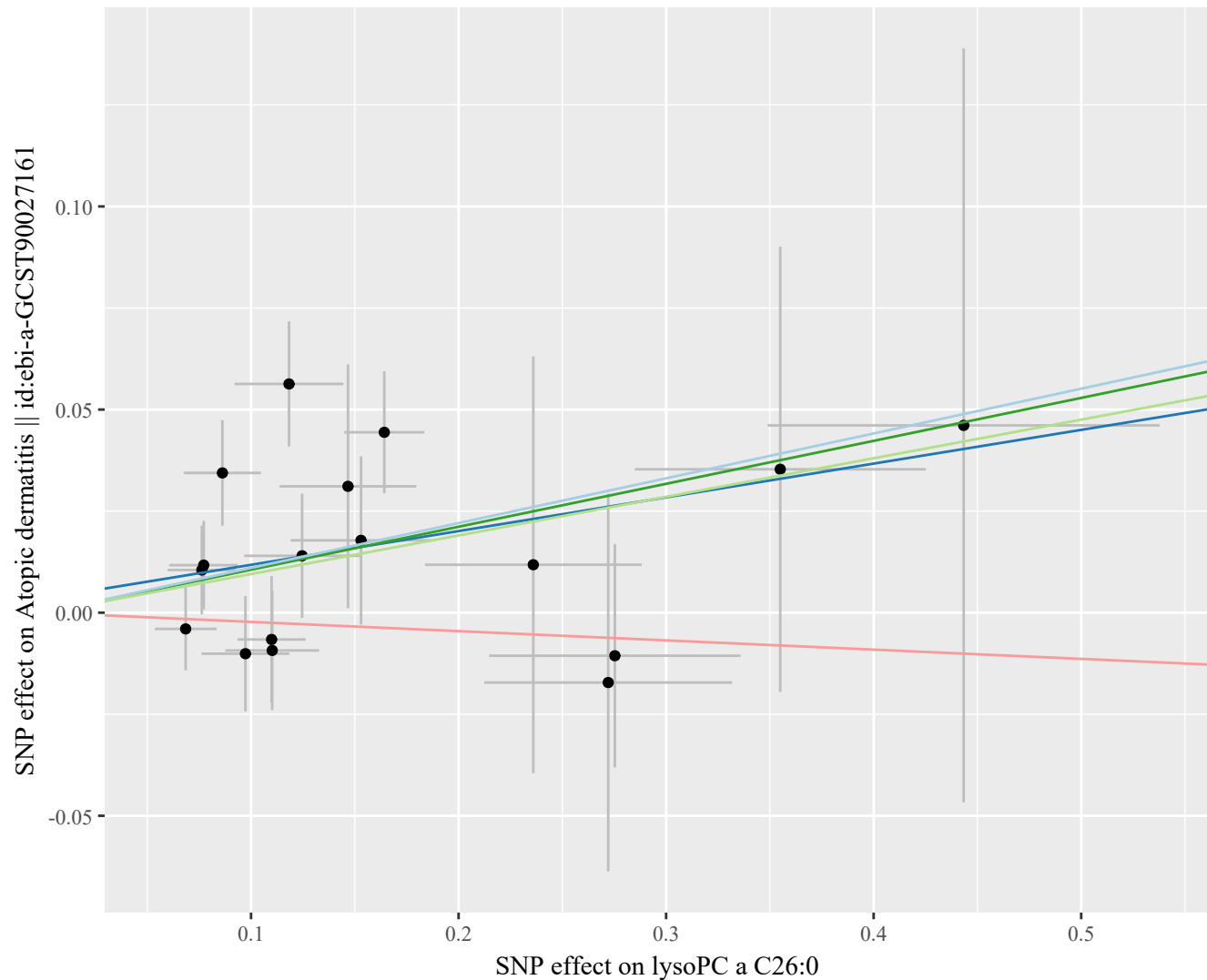
- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

SNP effect on Atopic dermatitis || id:ebi-a-GCST90027161



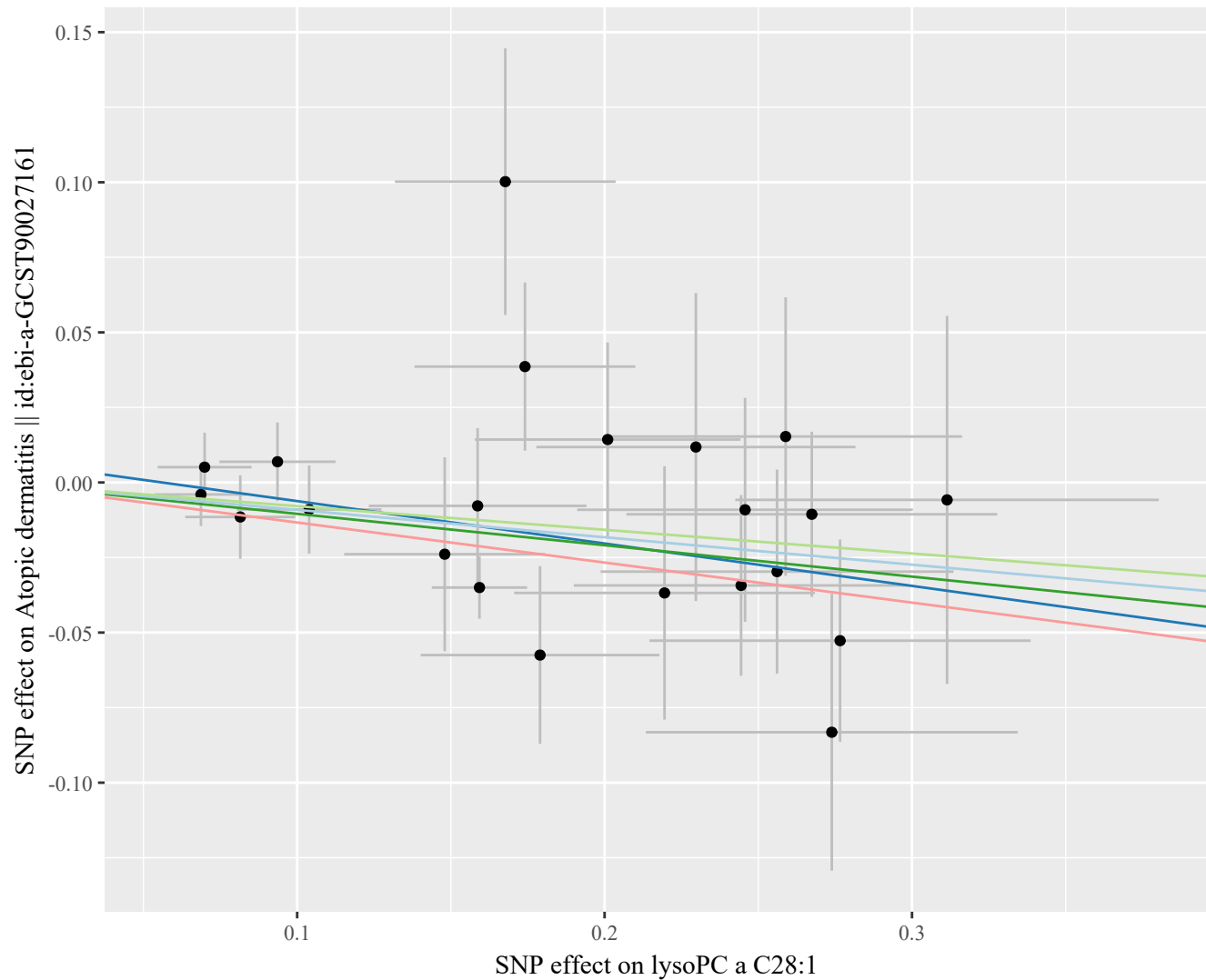
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode



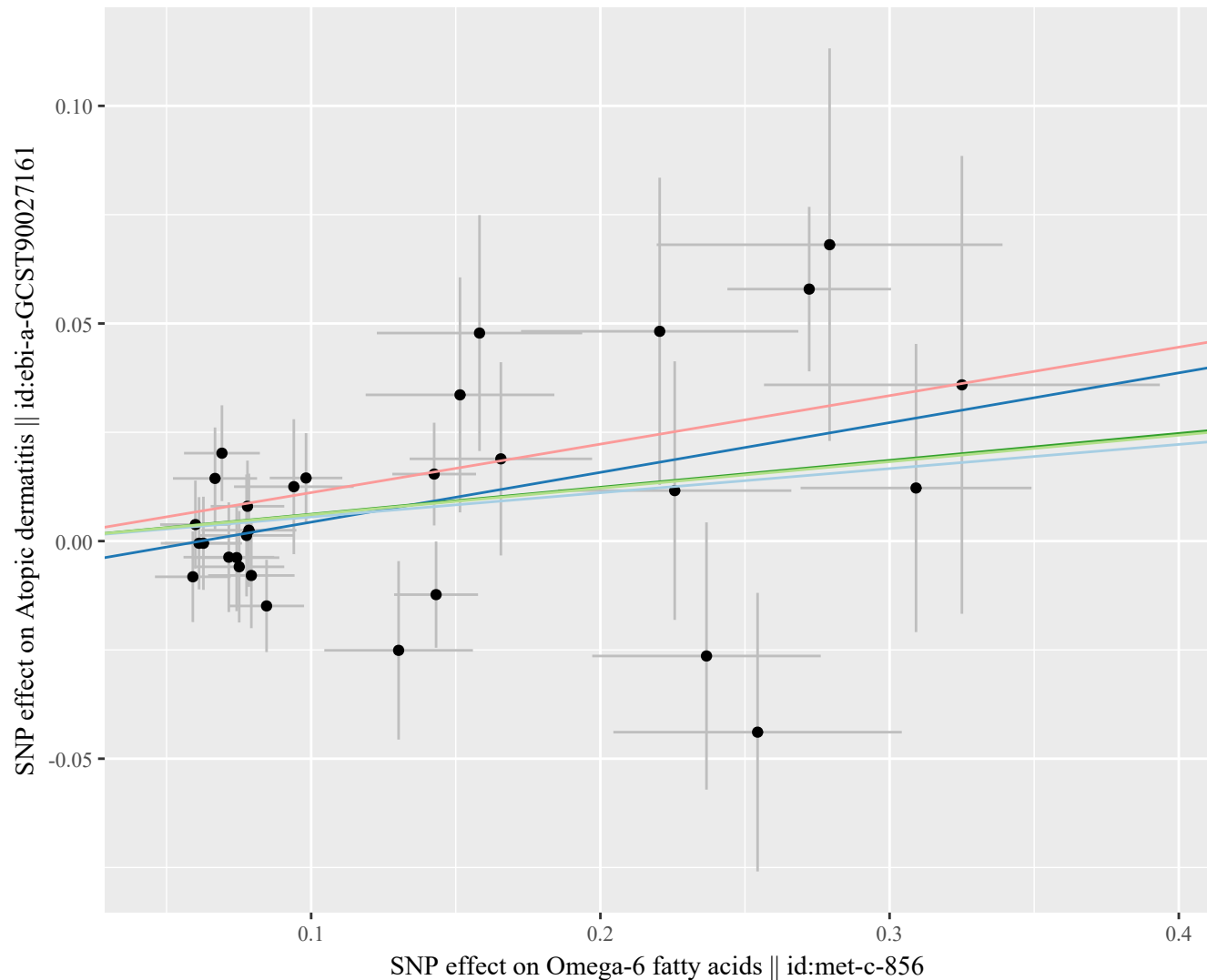
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode



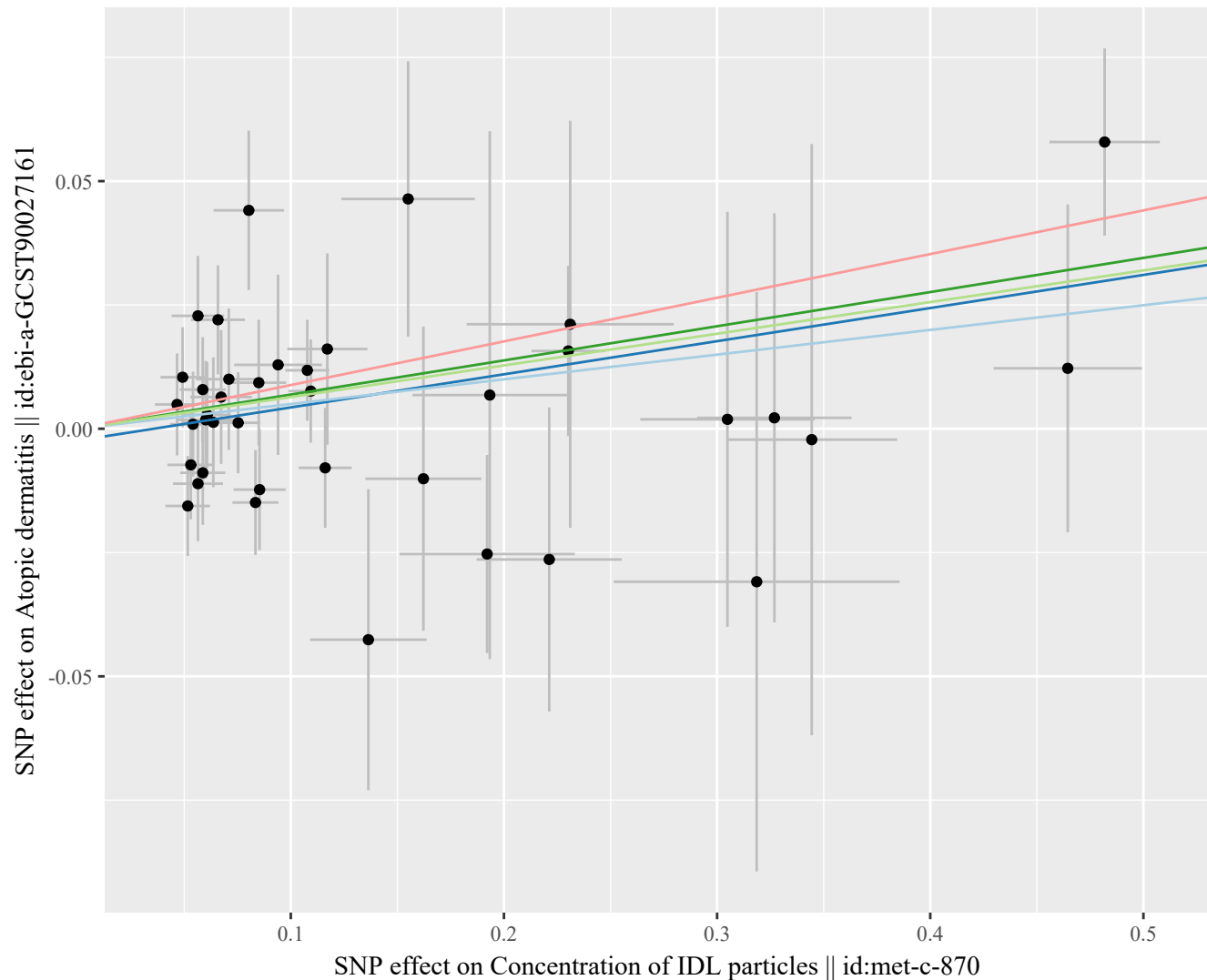
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

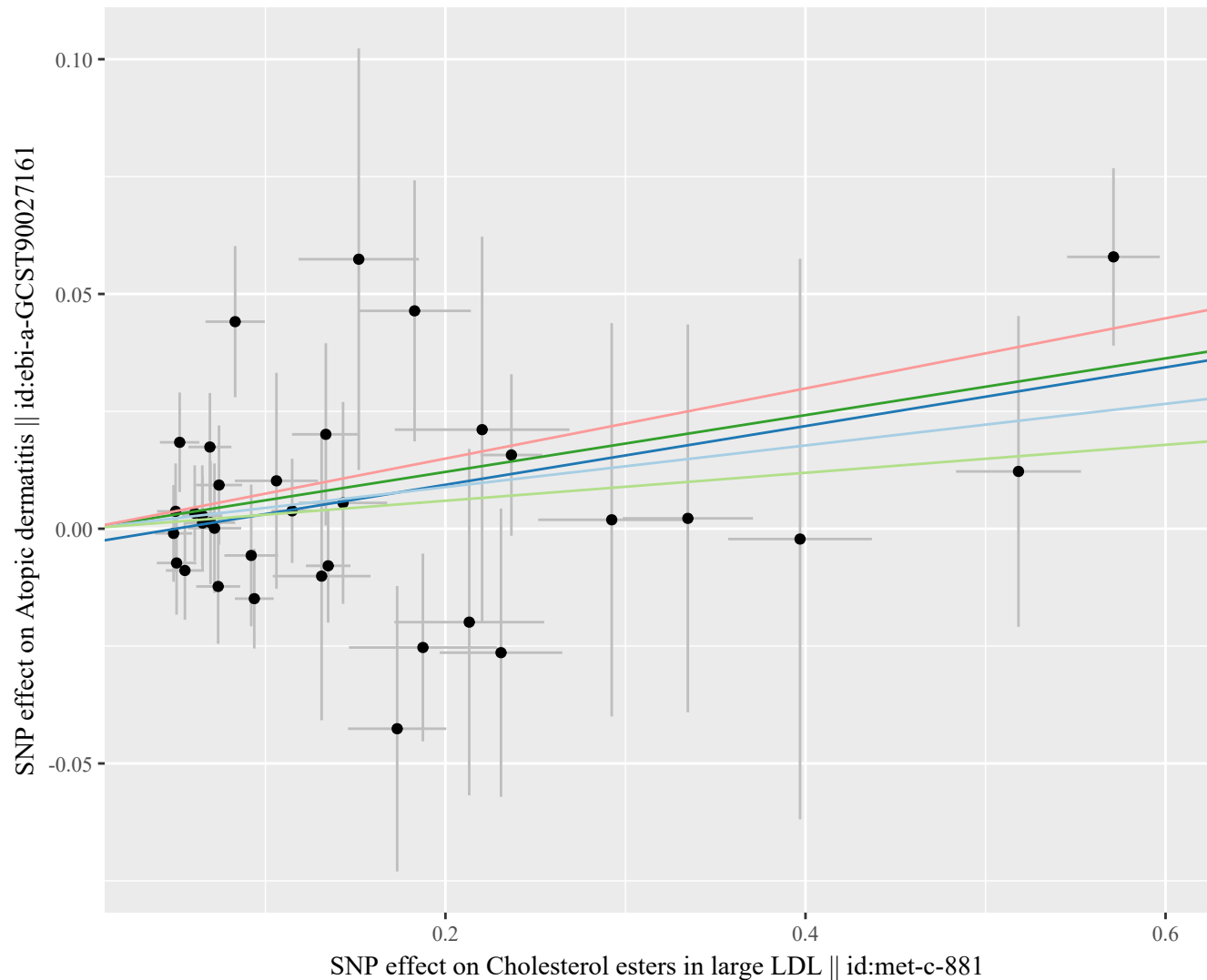
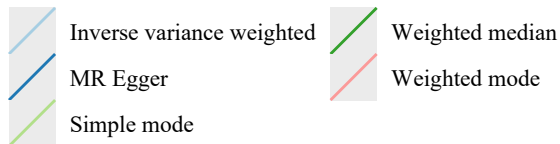


MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

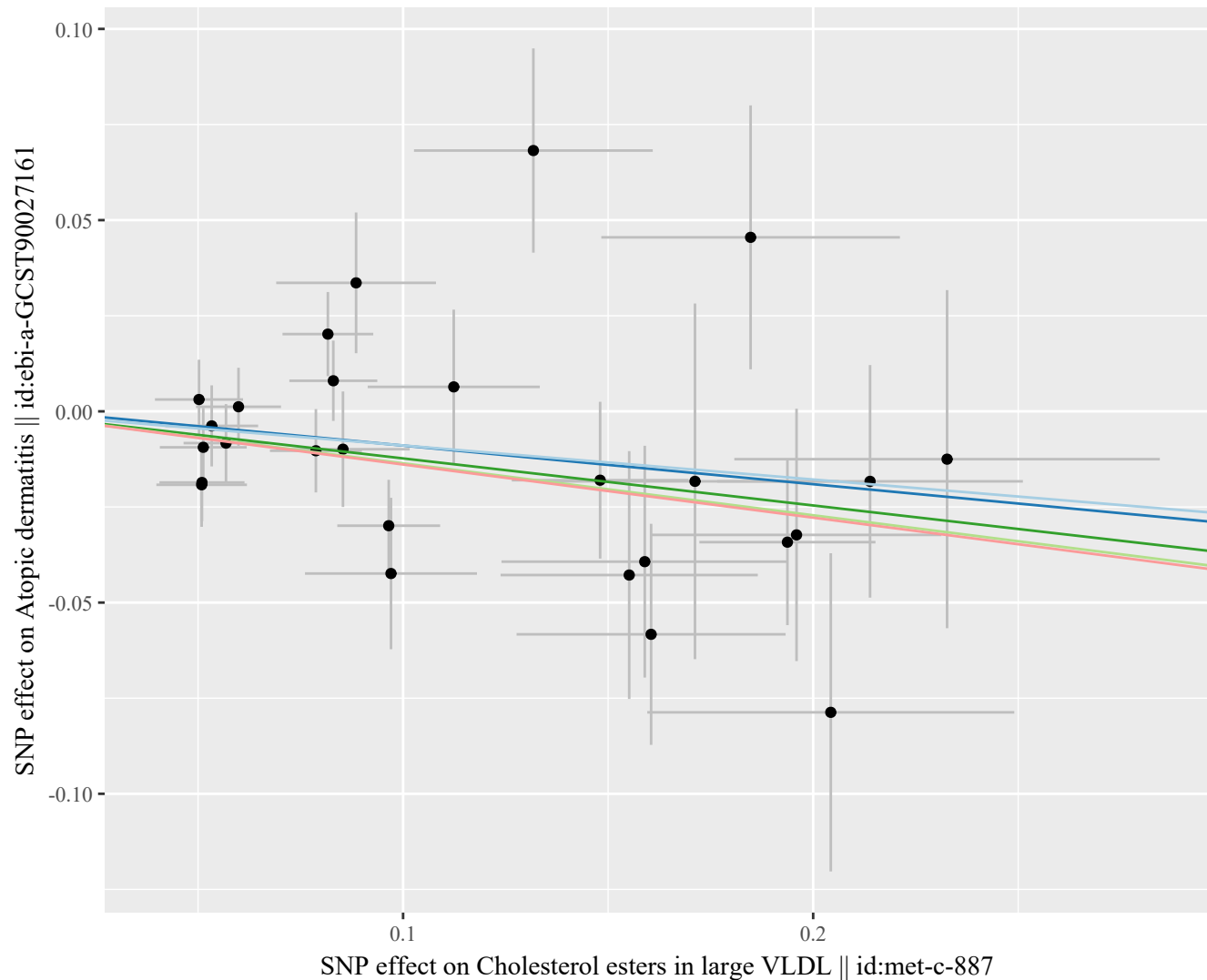


MR Test



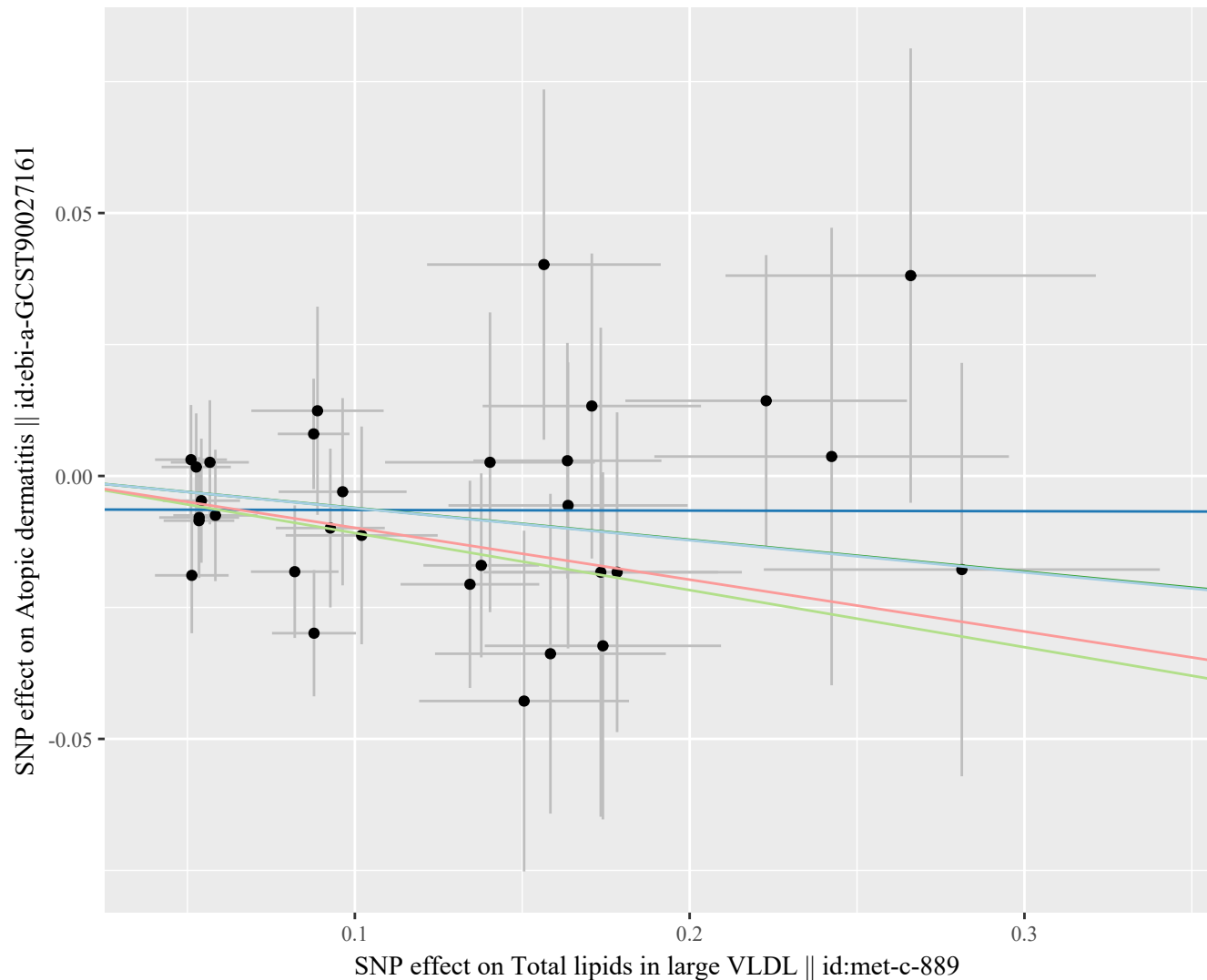
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode



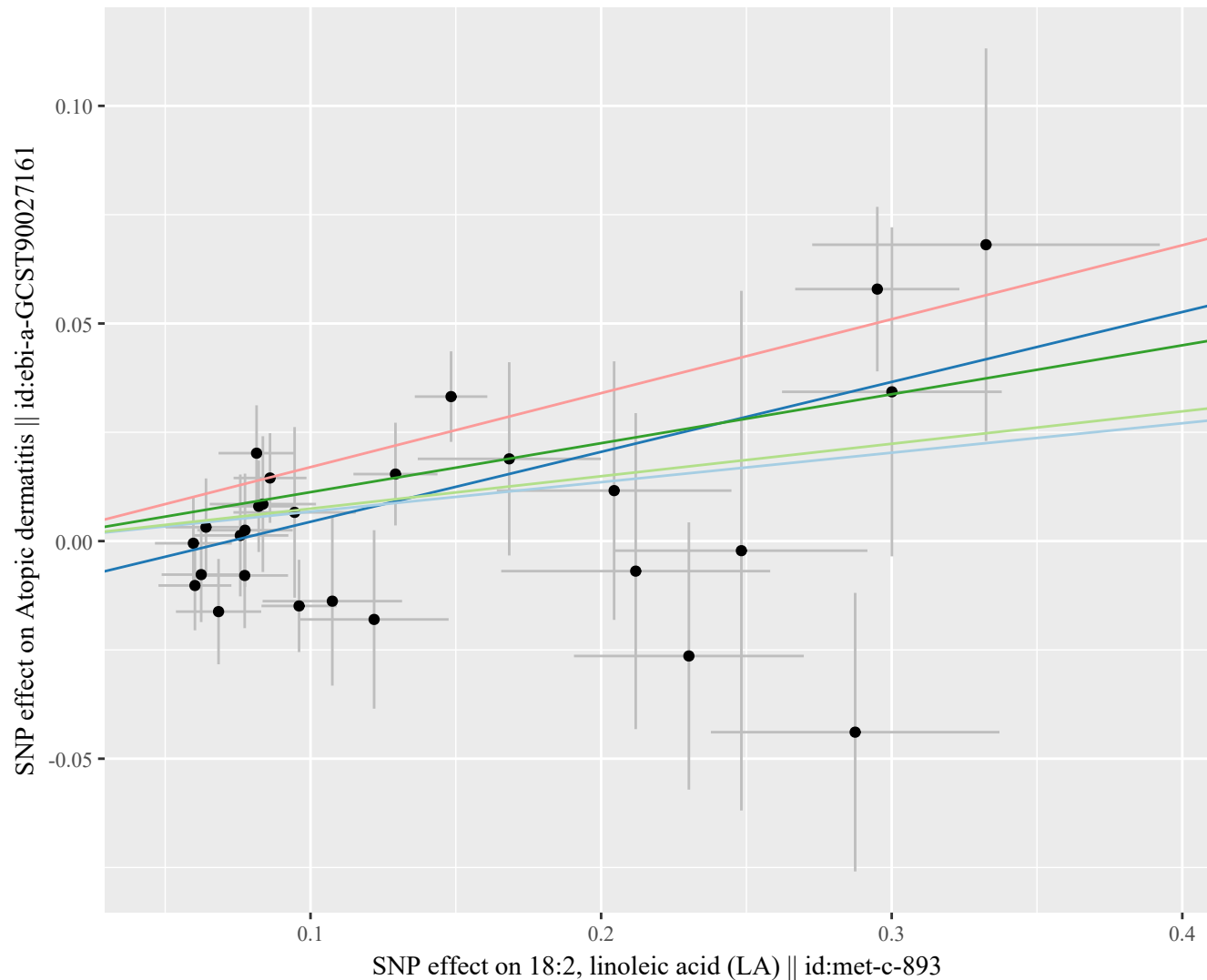
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

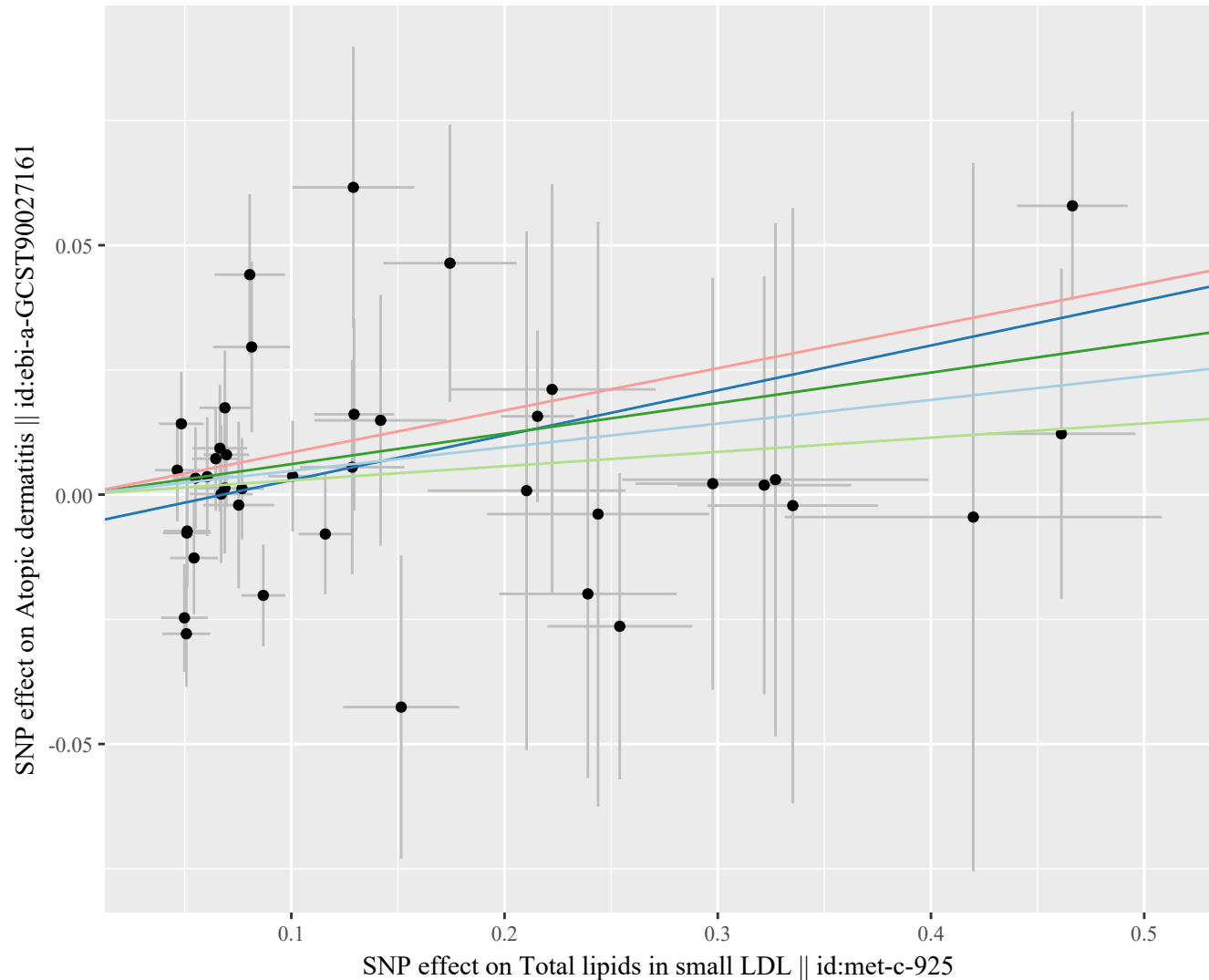
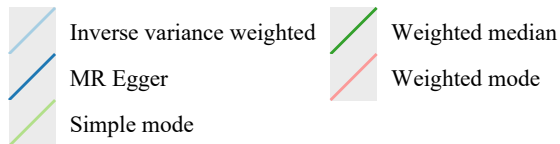


MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

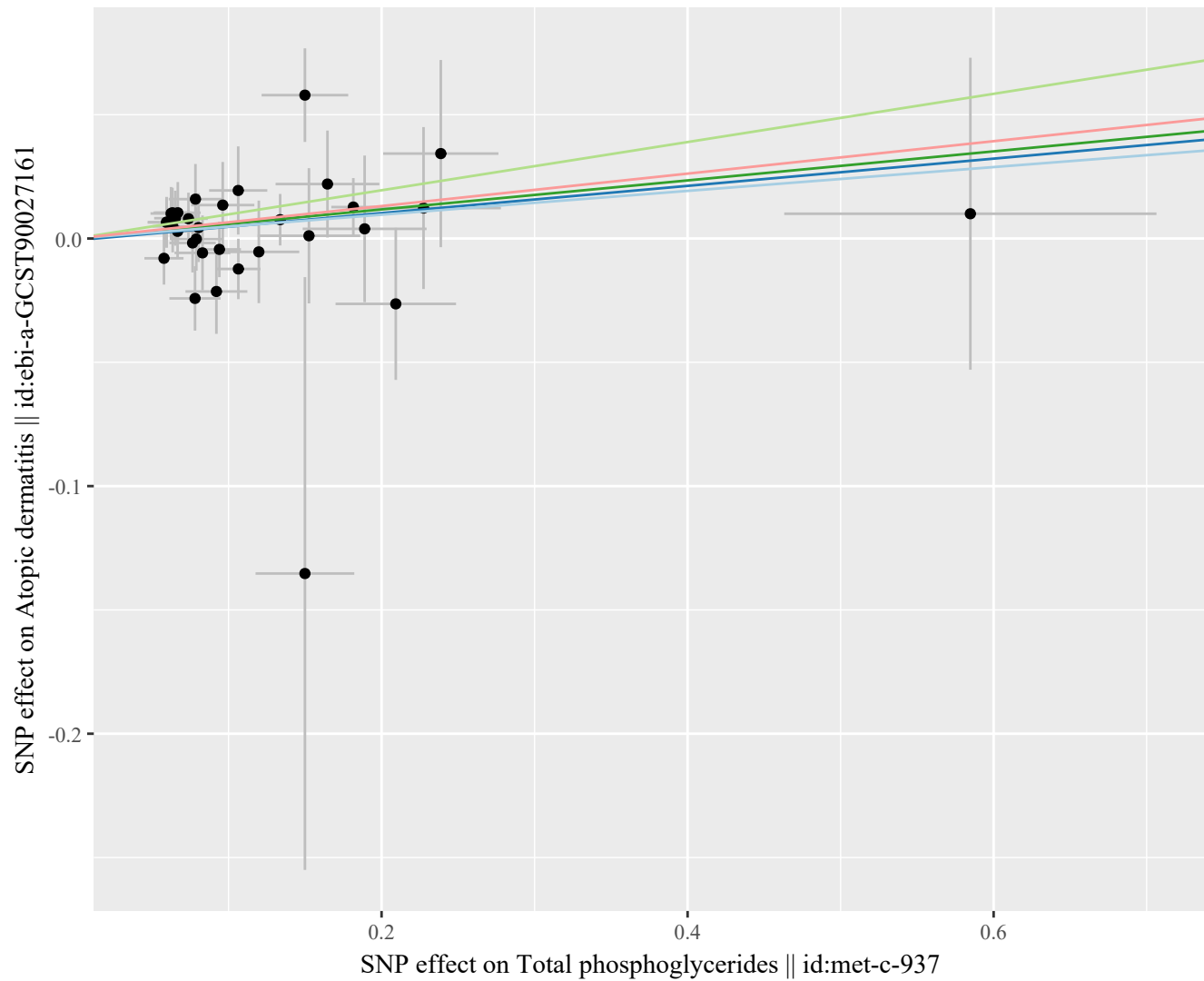


MR Test



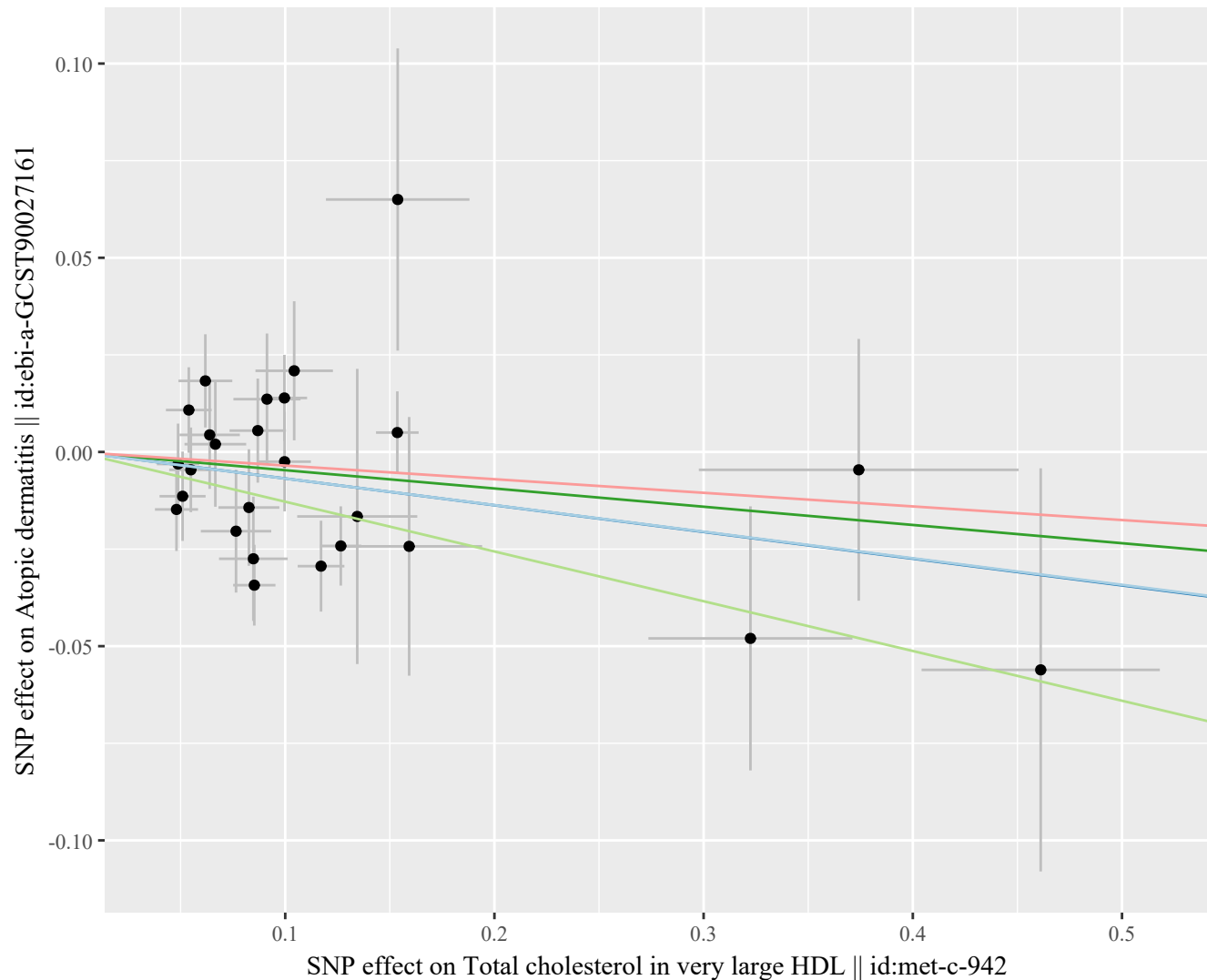
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode



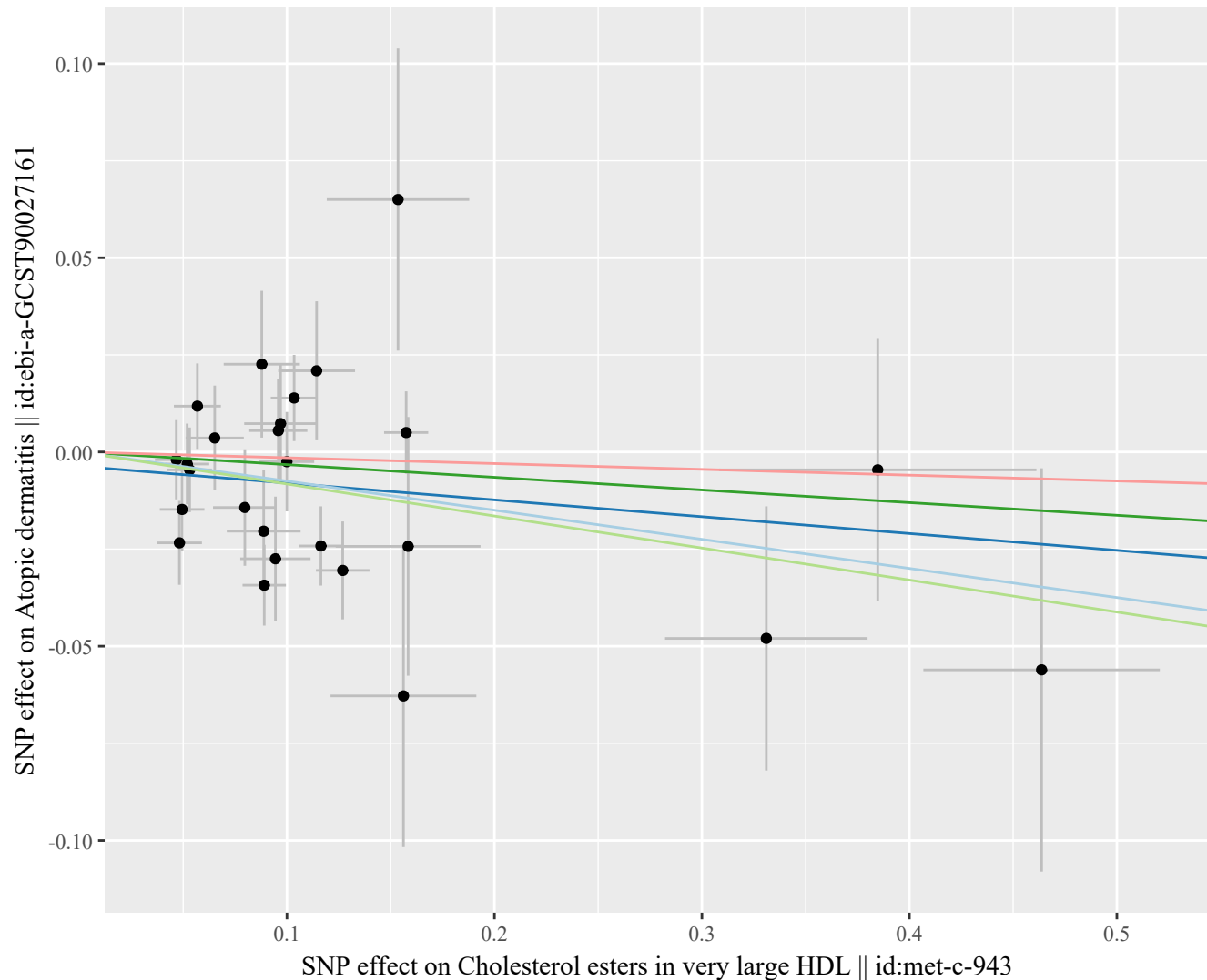
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

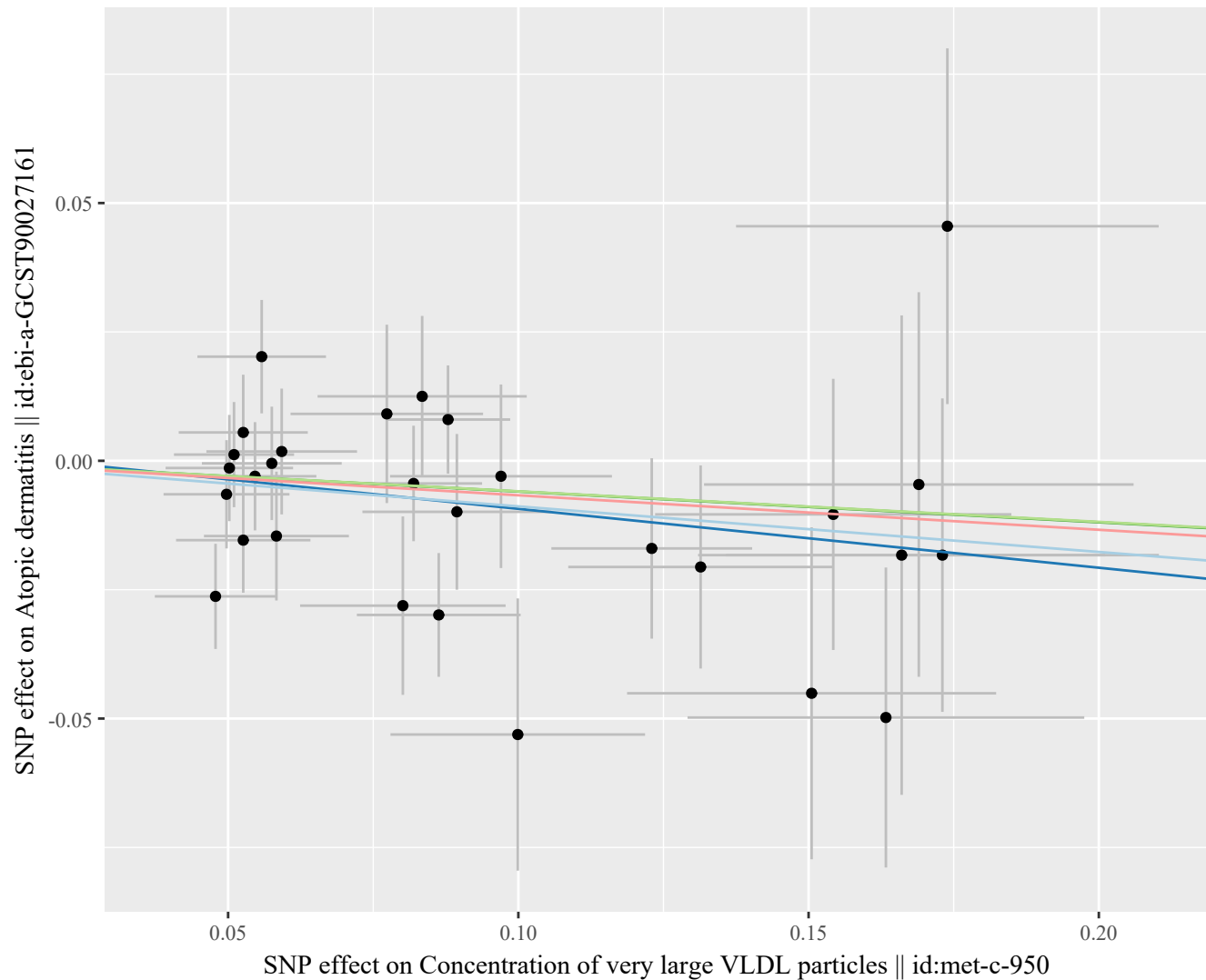
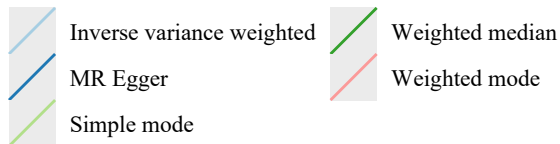


MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

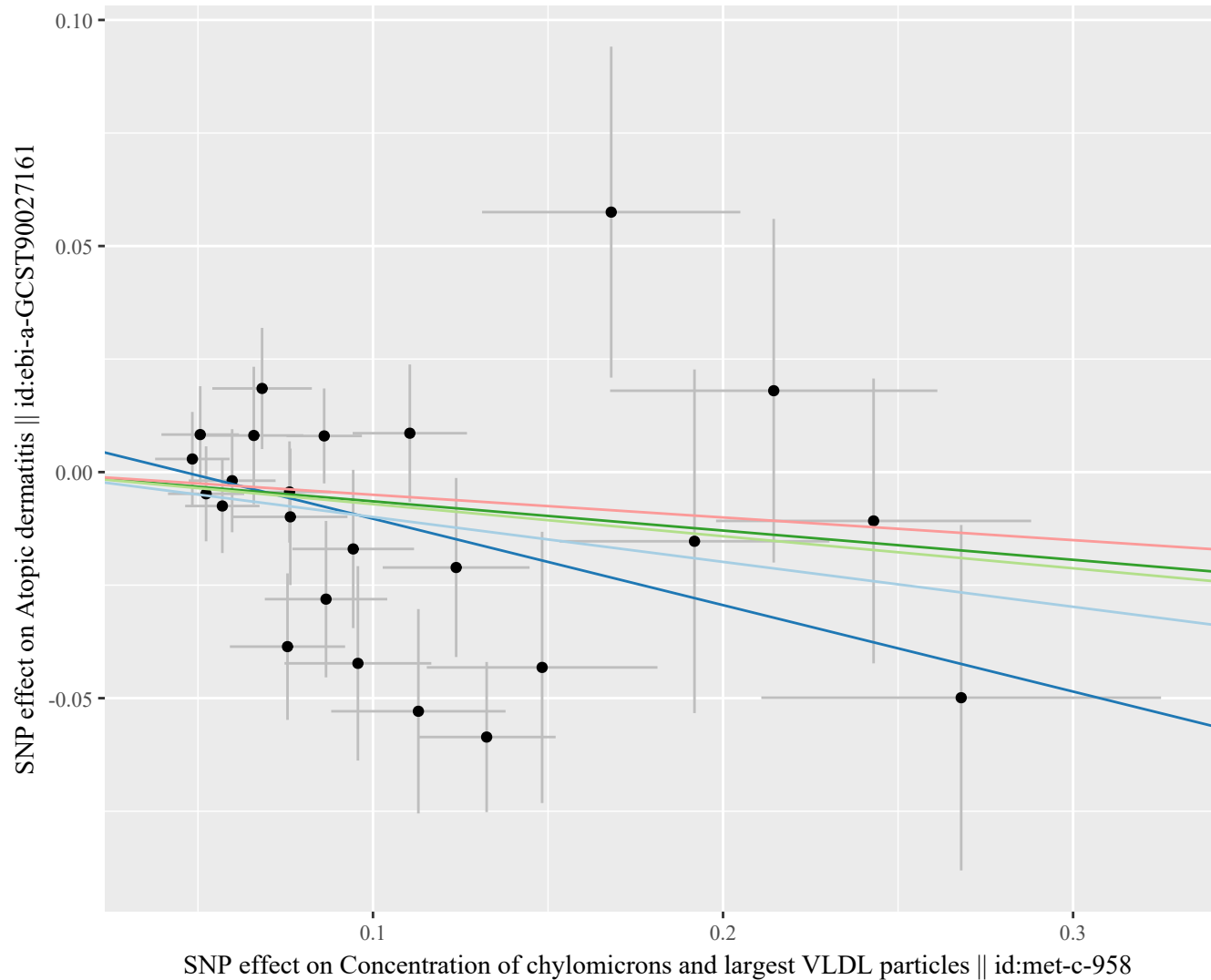


MR Test



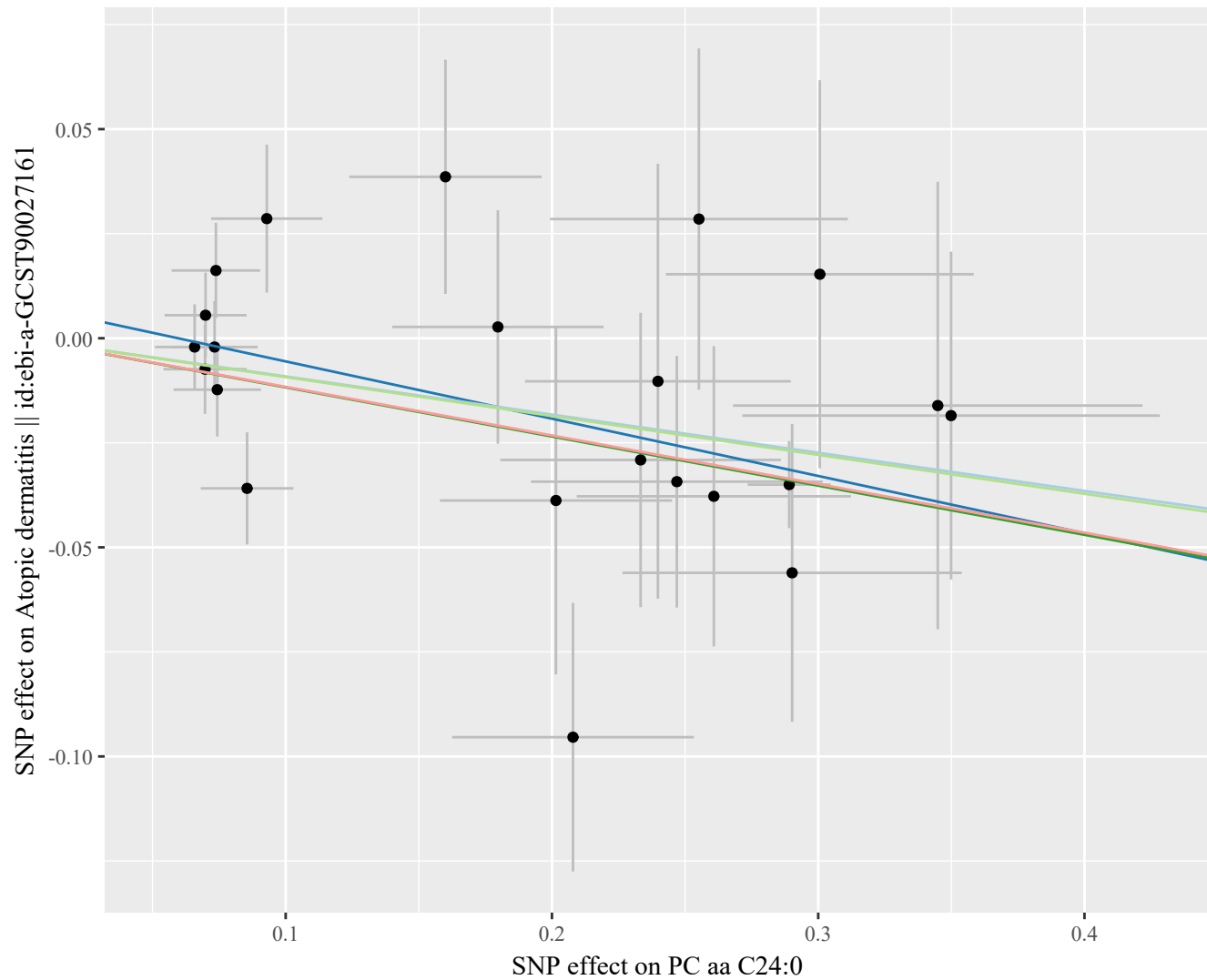
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode



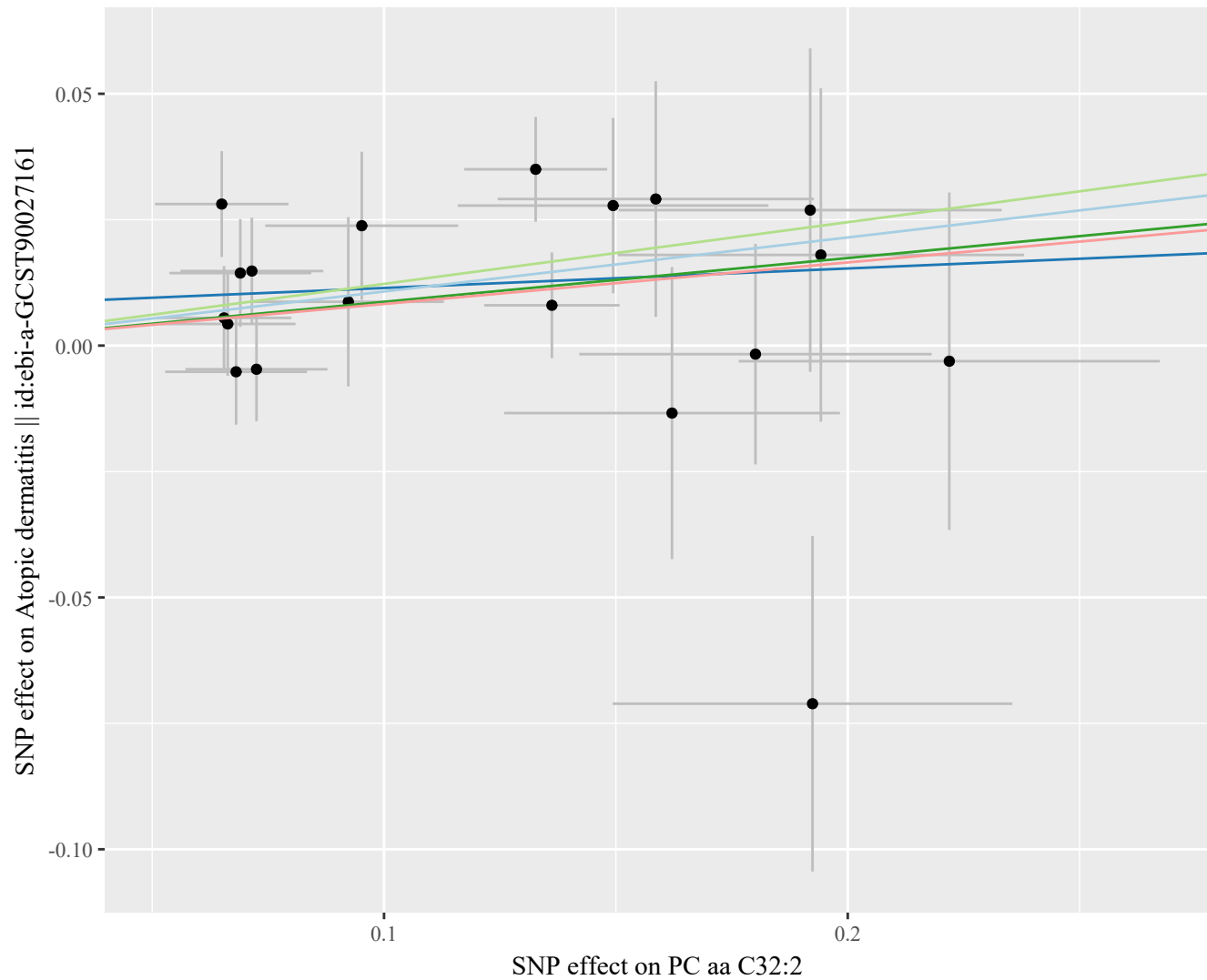
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

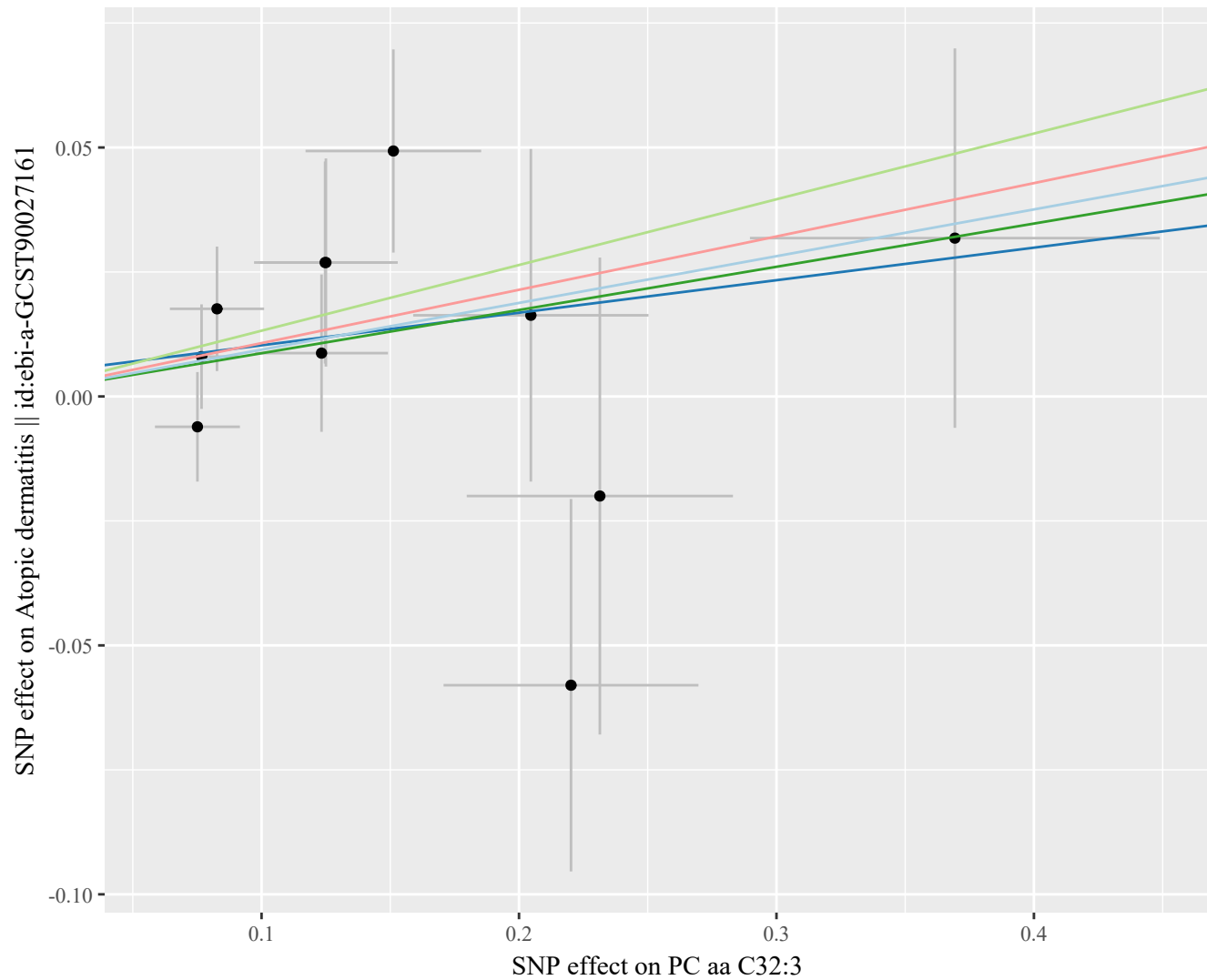
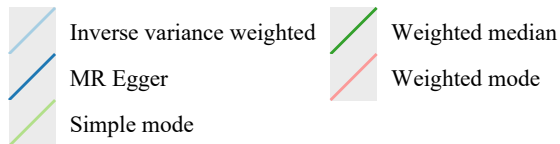


MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

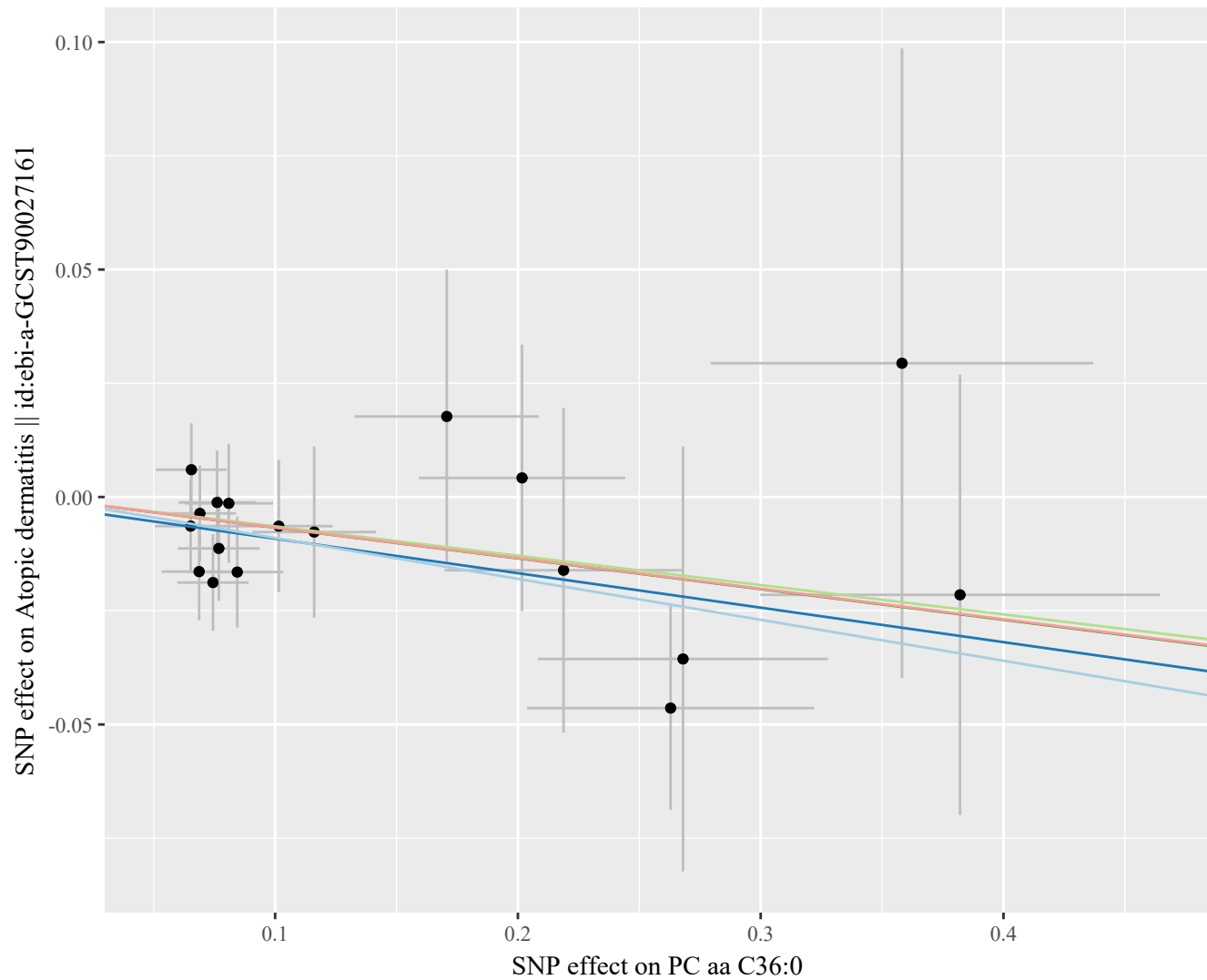


MR Test

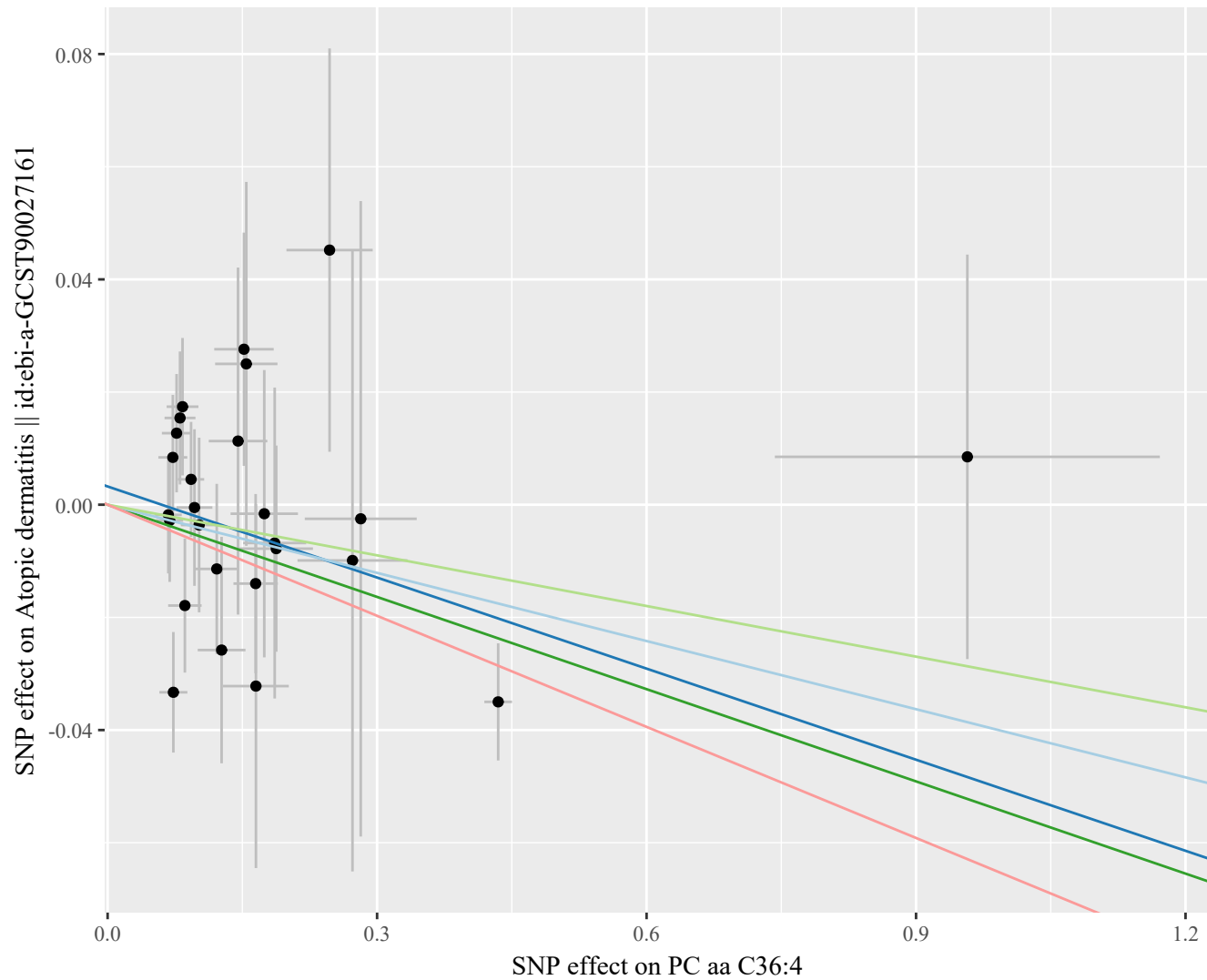
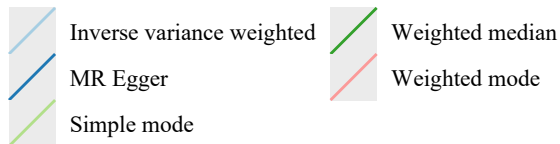


MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

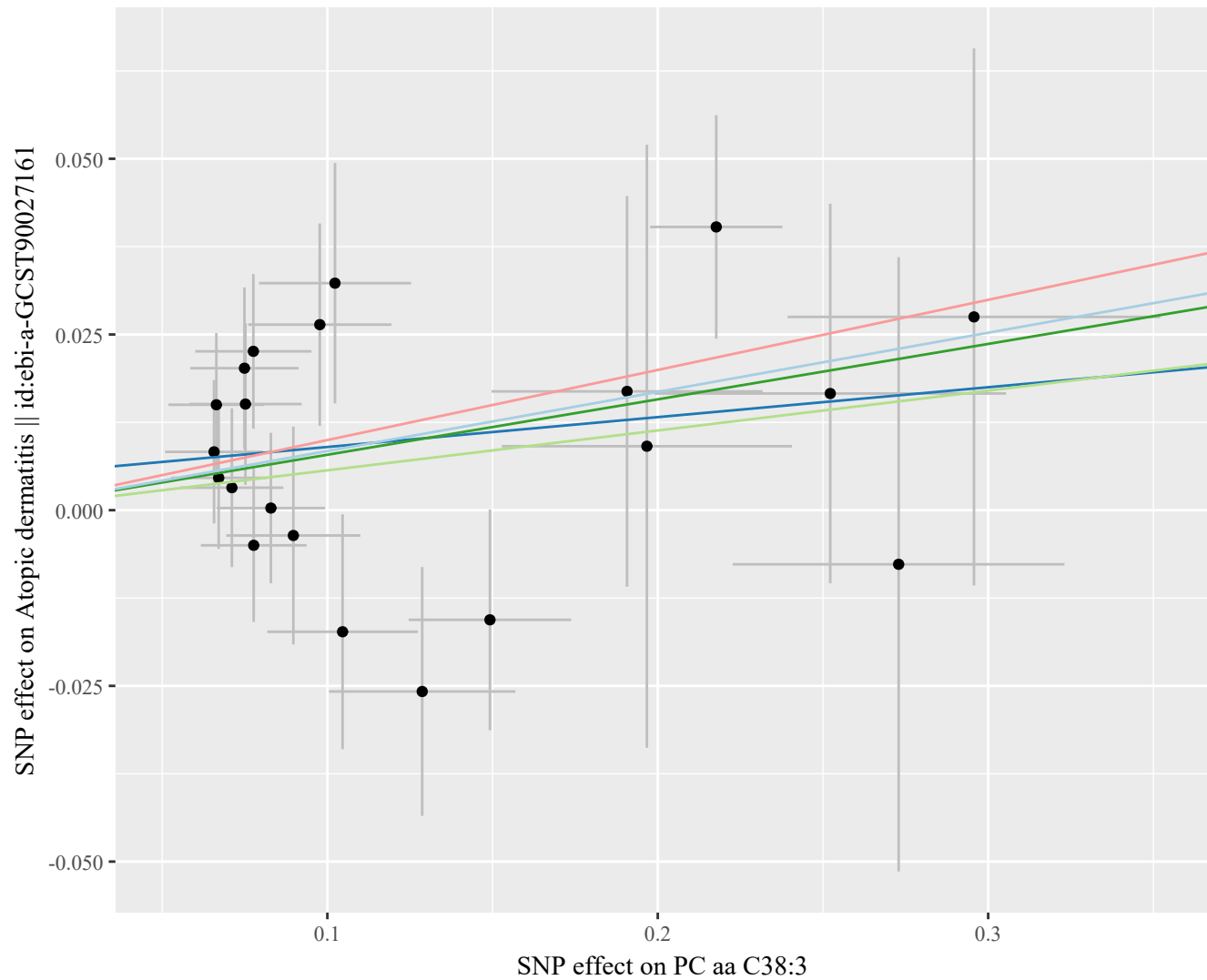


MR Test



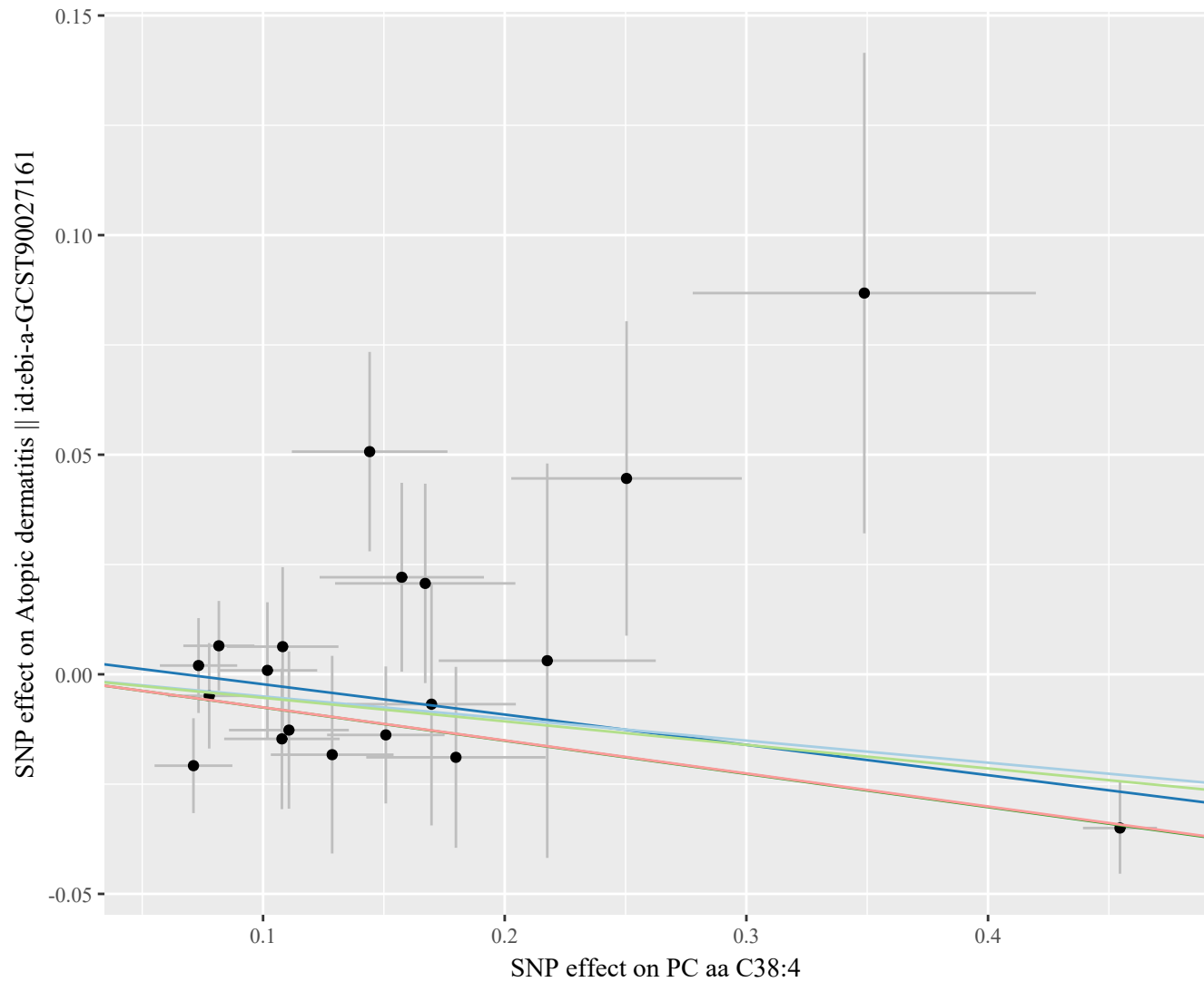
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode



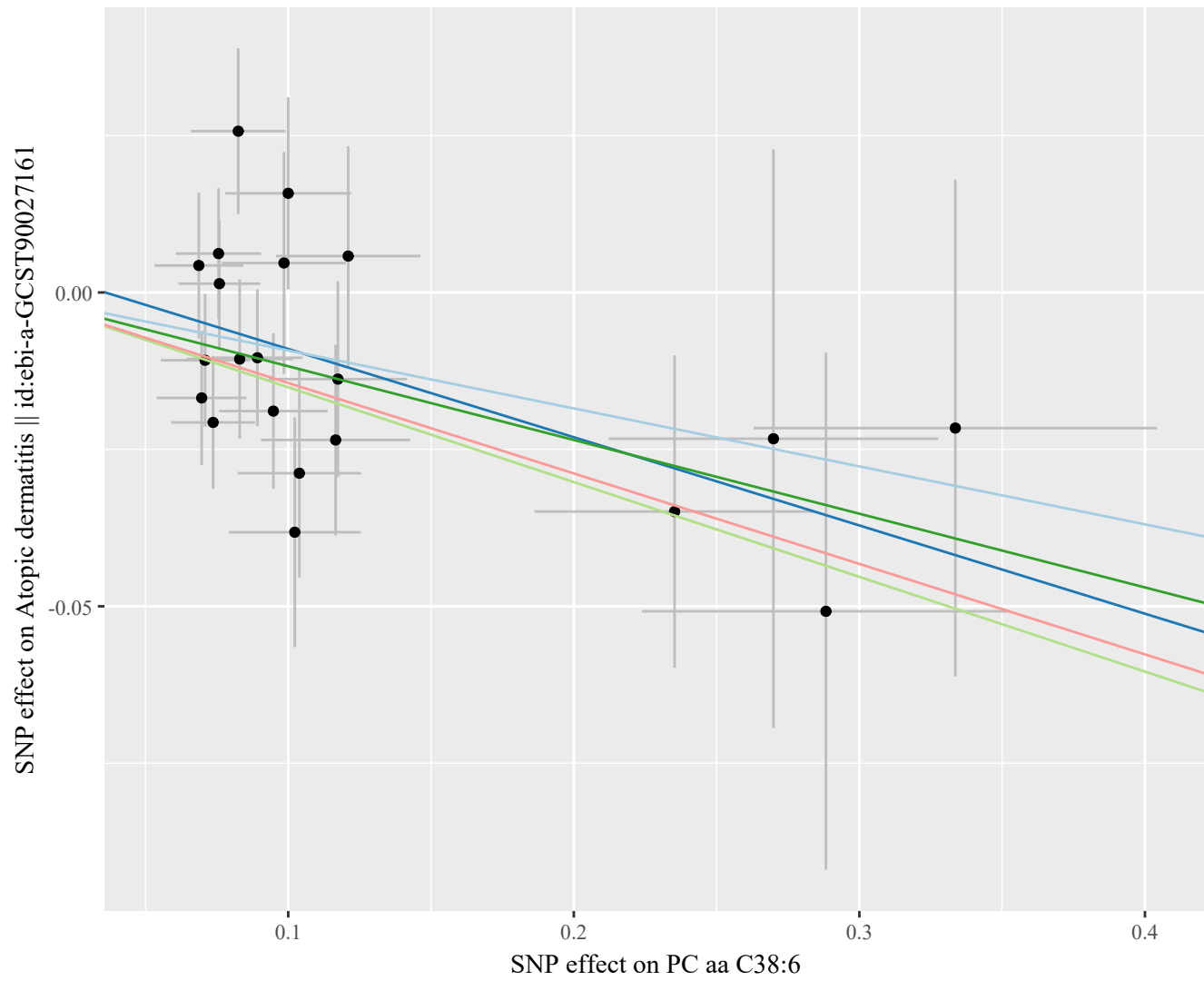
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode



MR Test

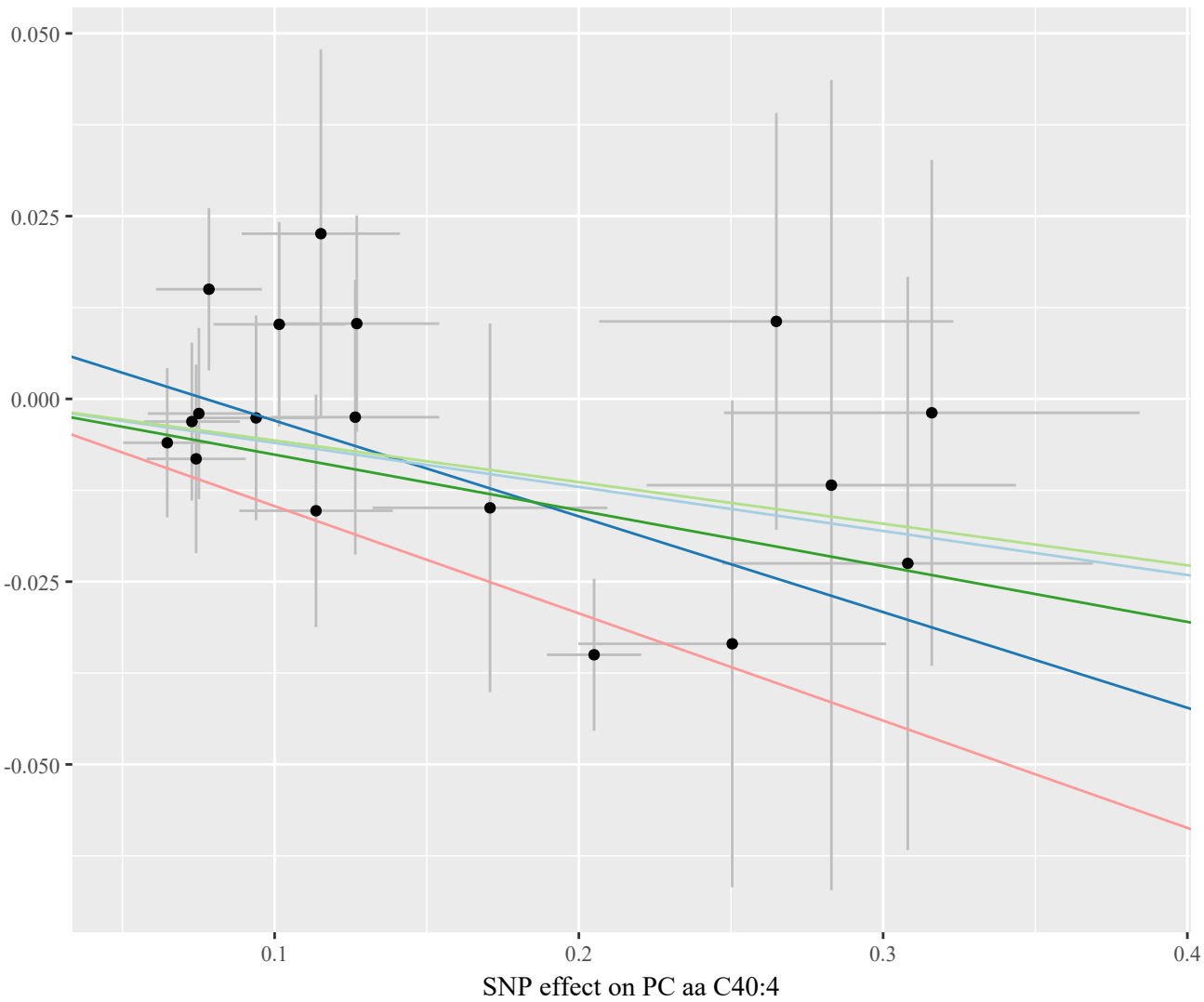
- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode



SNP effect on Atopic dermatitis || id:ebi-a-GCST90027161

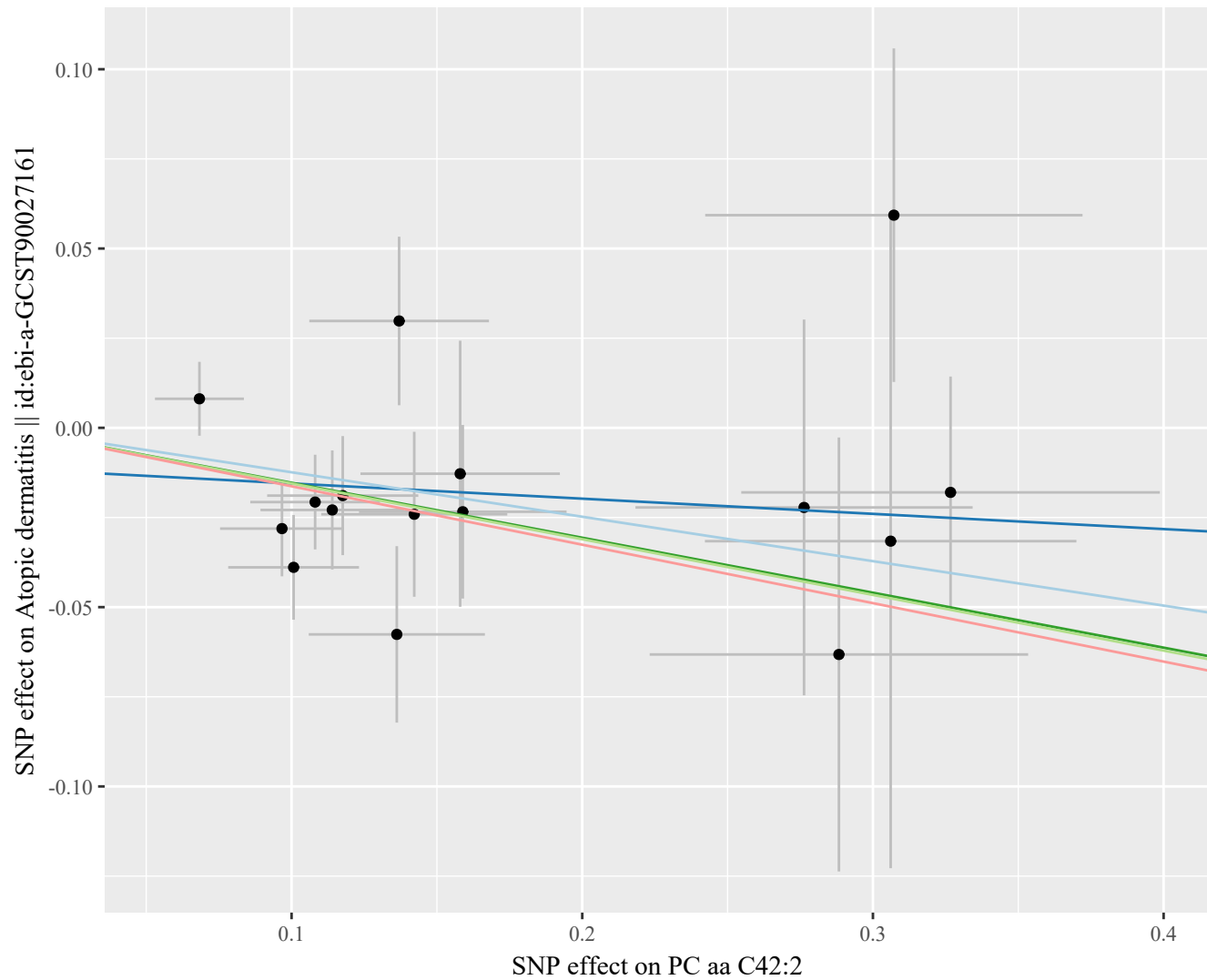
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode



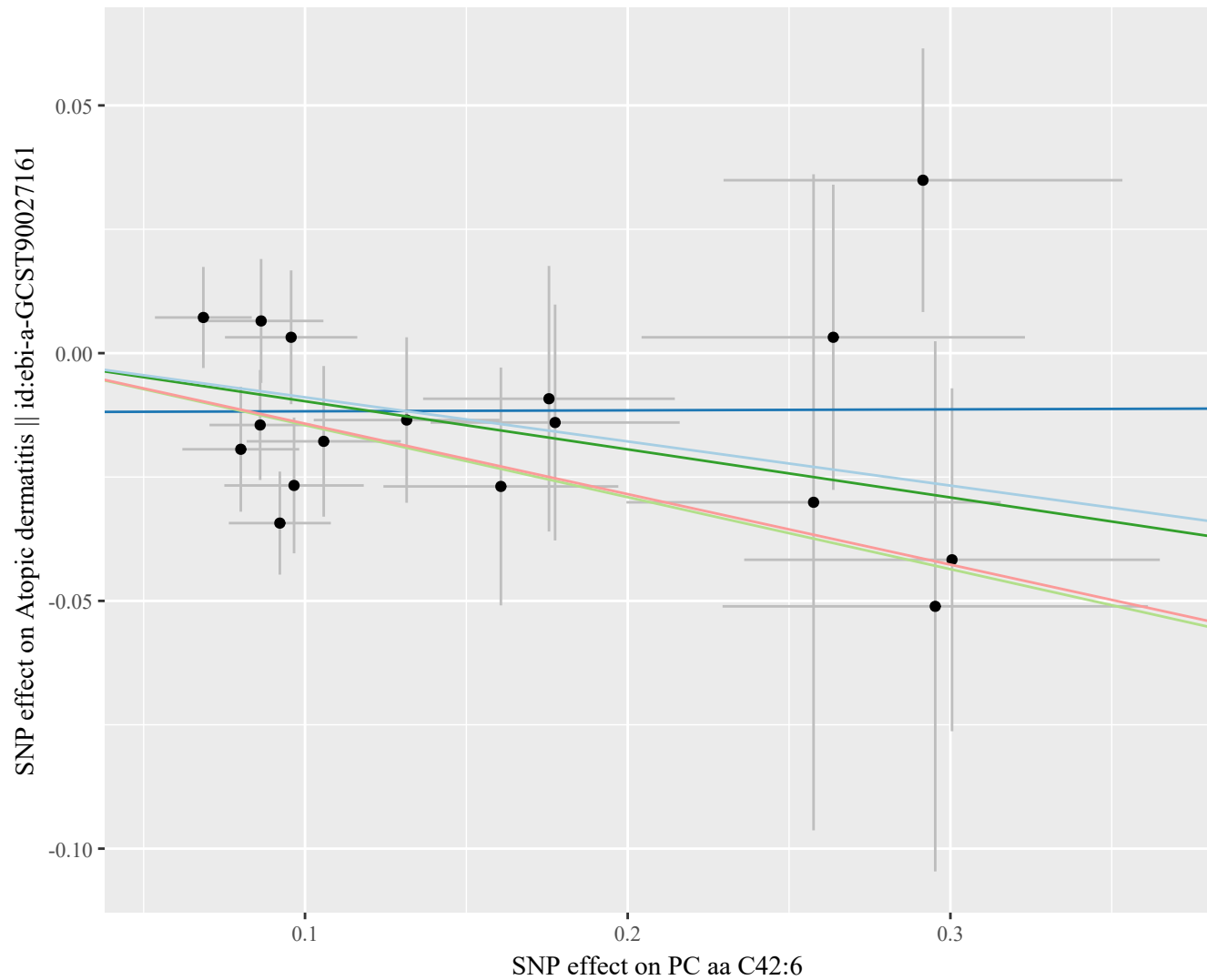
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

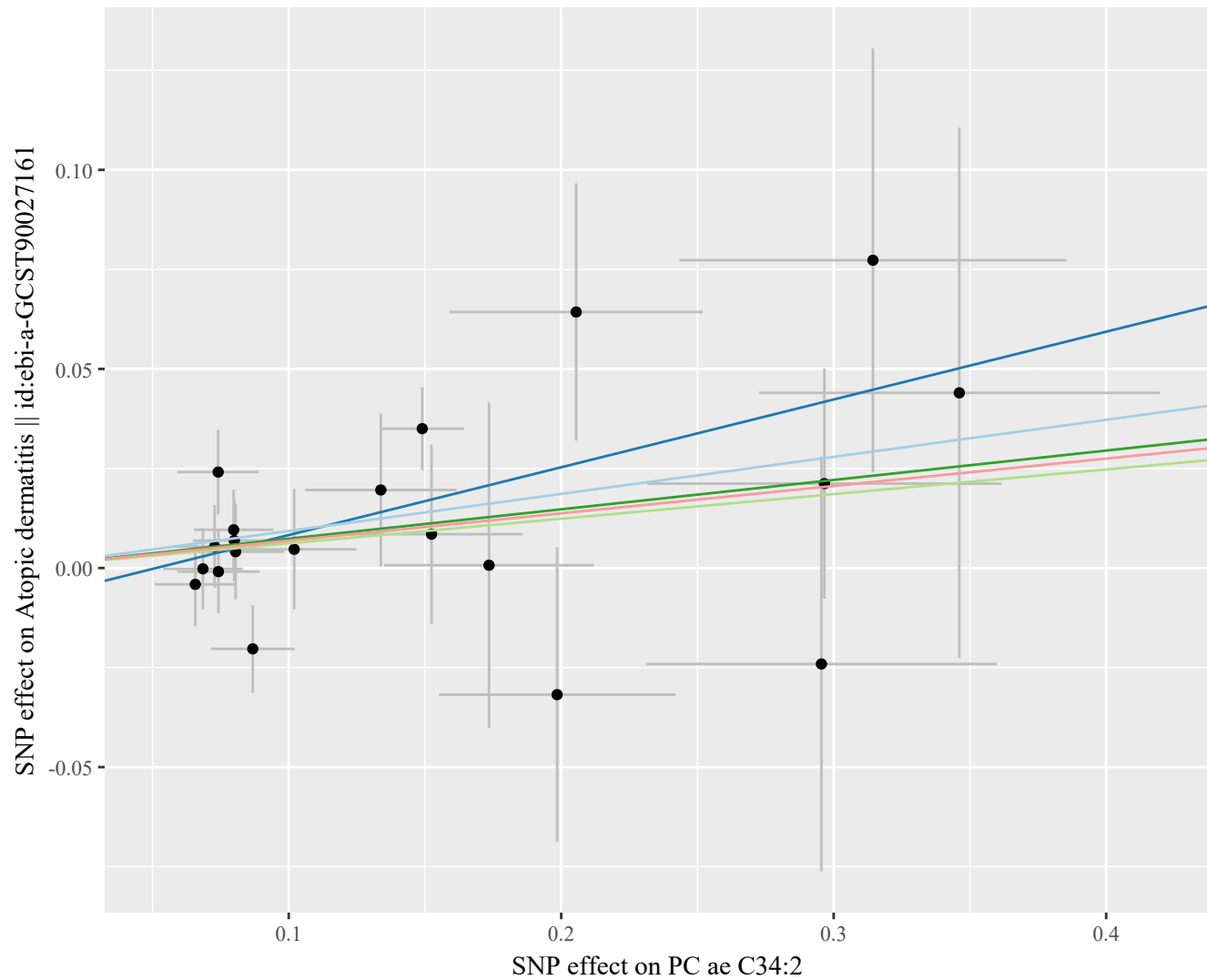
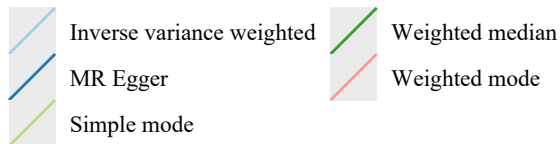


MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode



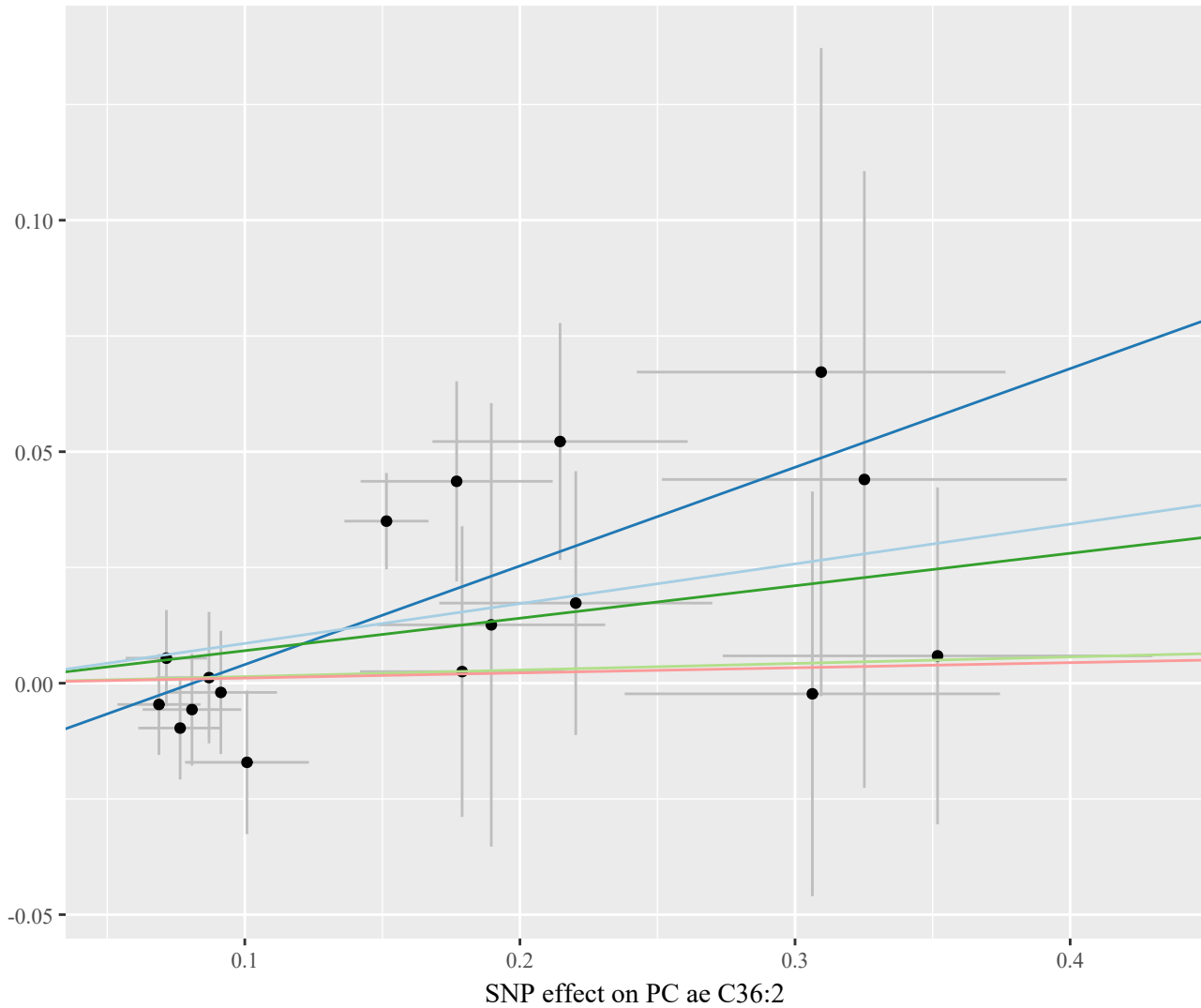
MR Test



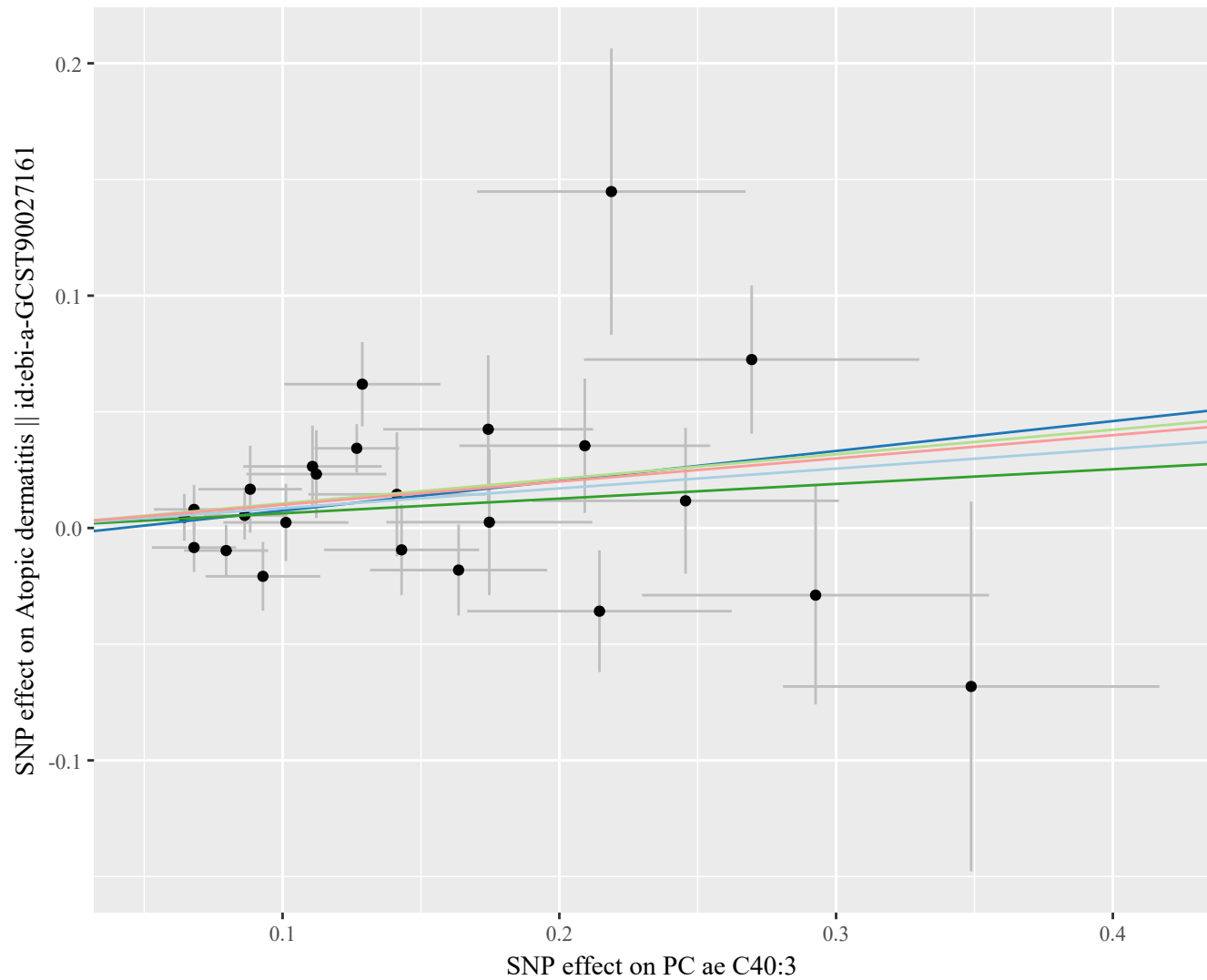
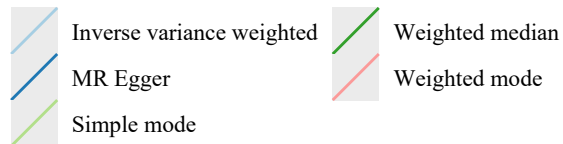
MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

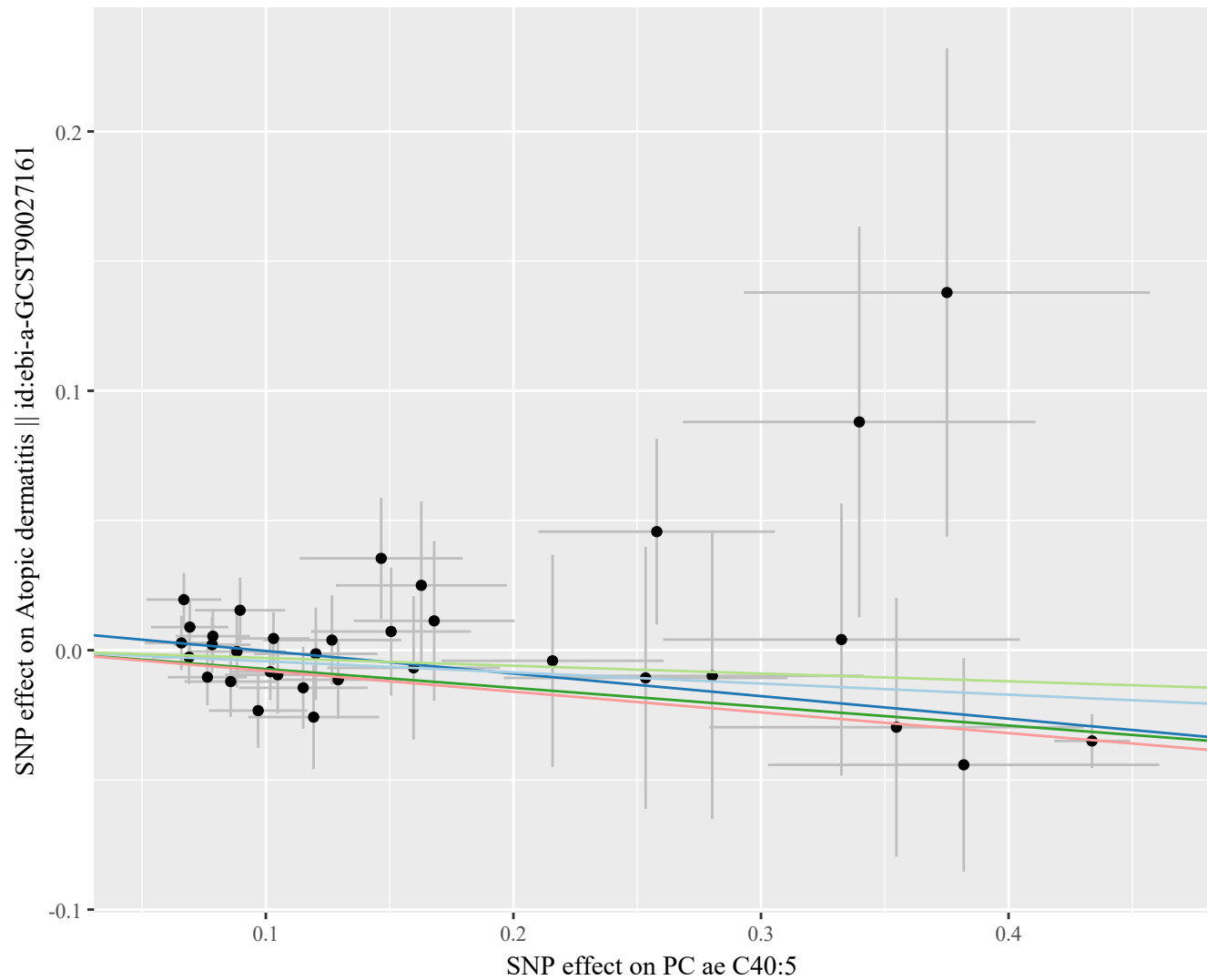
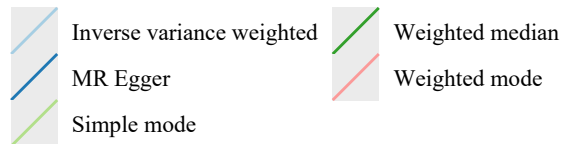
SNP effect on Atopic dermatitis || id:ebi-a-GCST90027161



MR Test

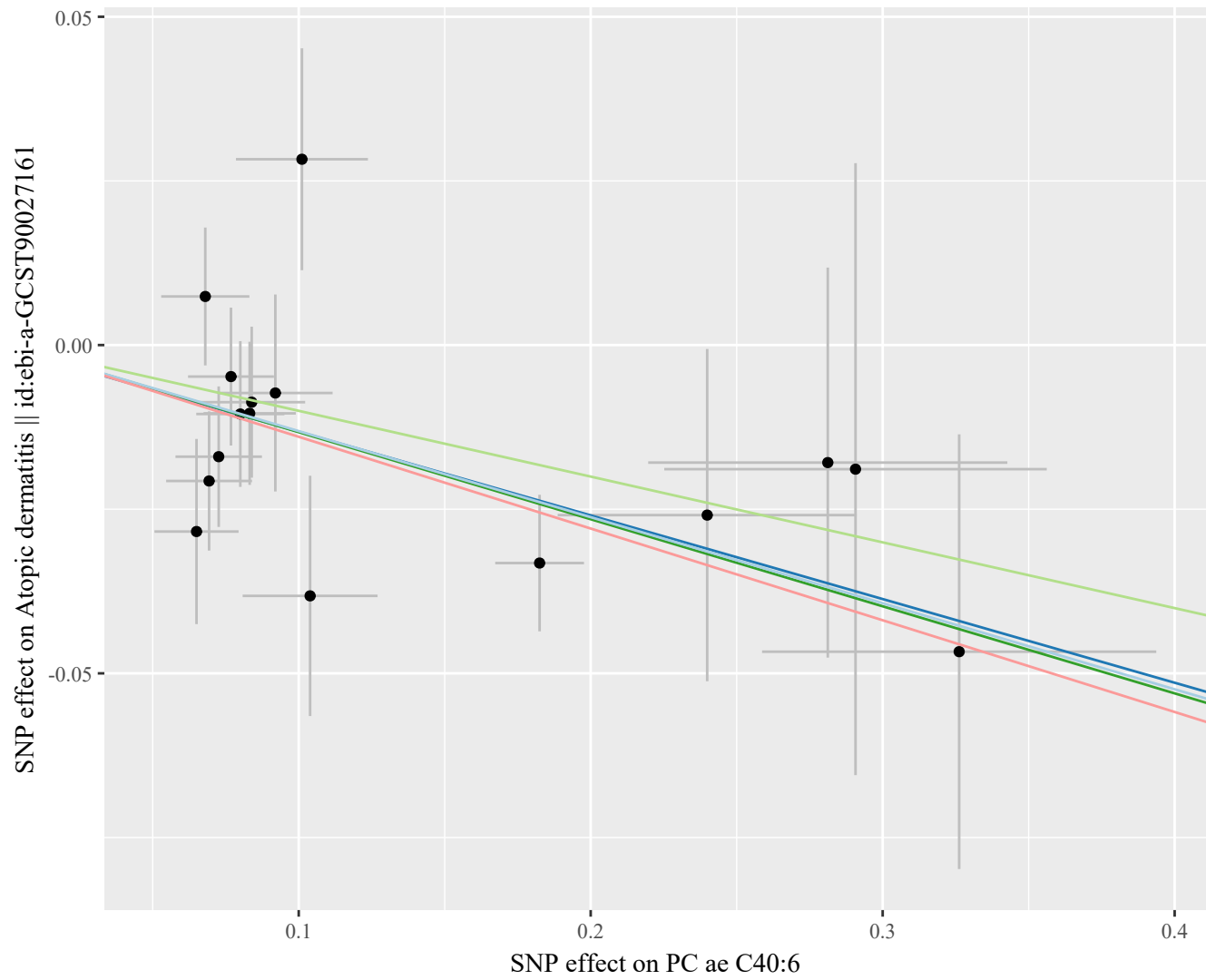


MR Test

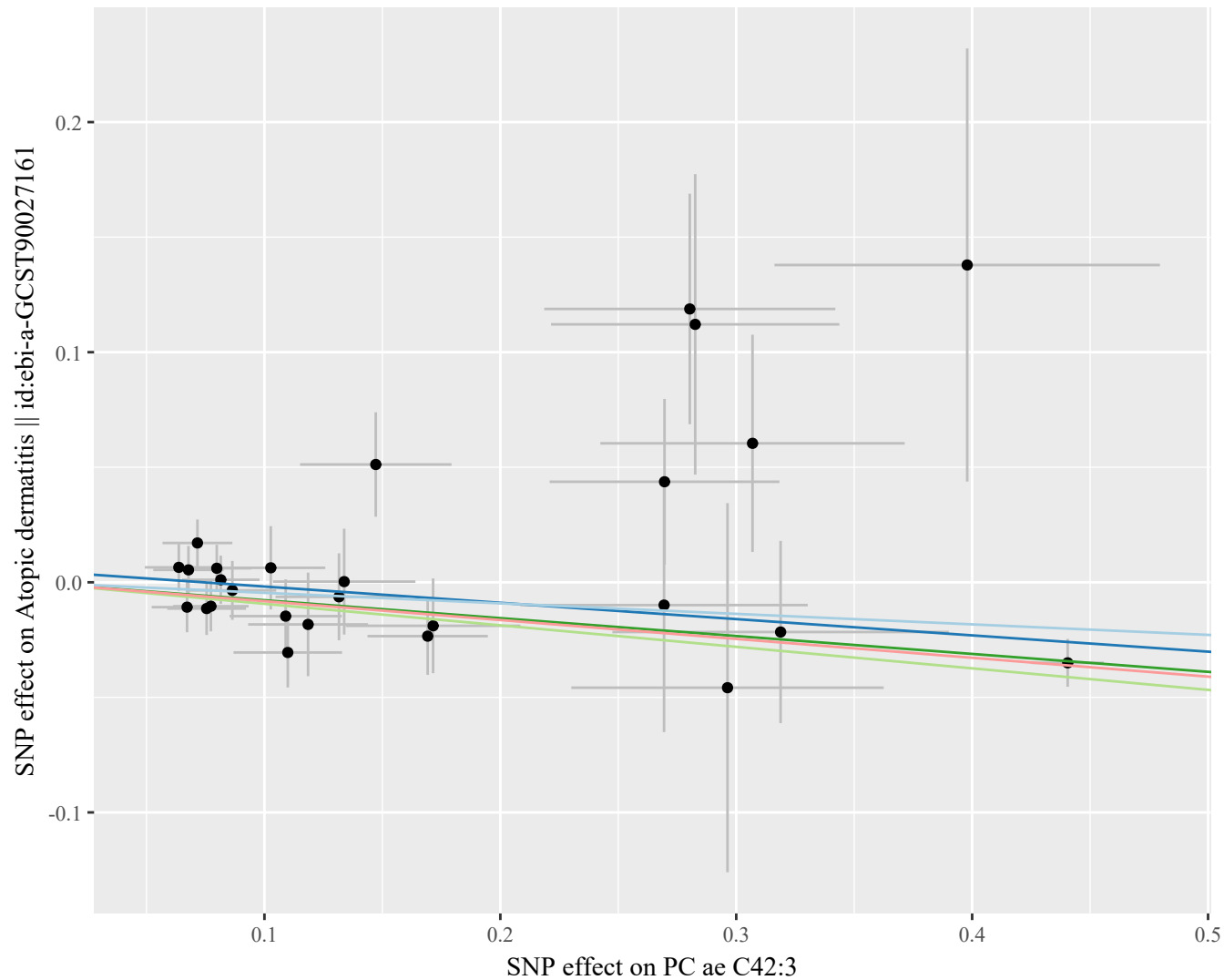
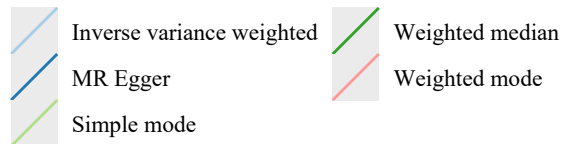


MR Test

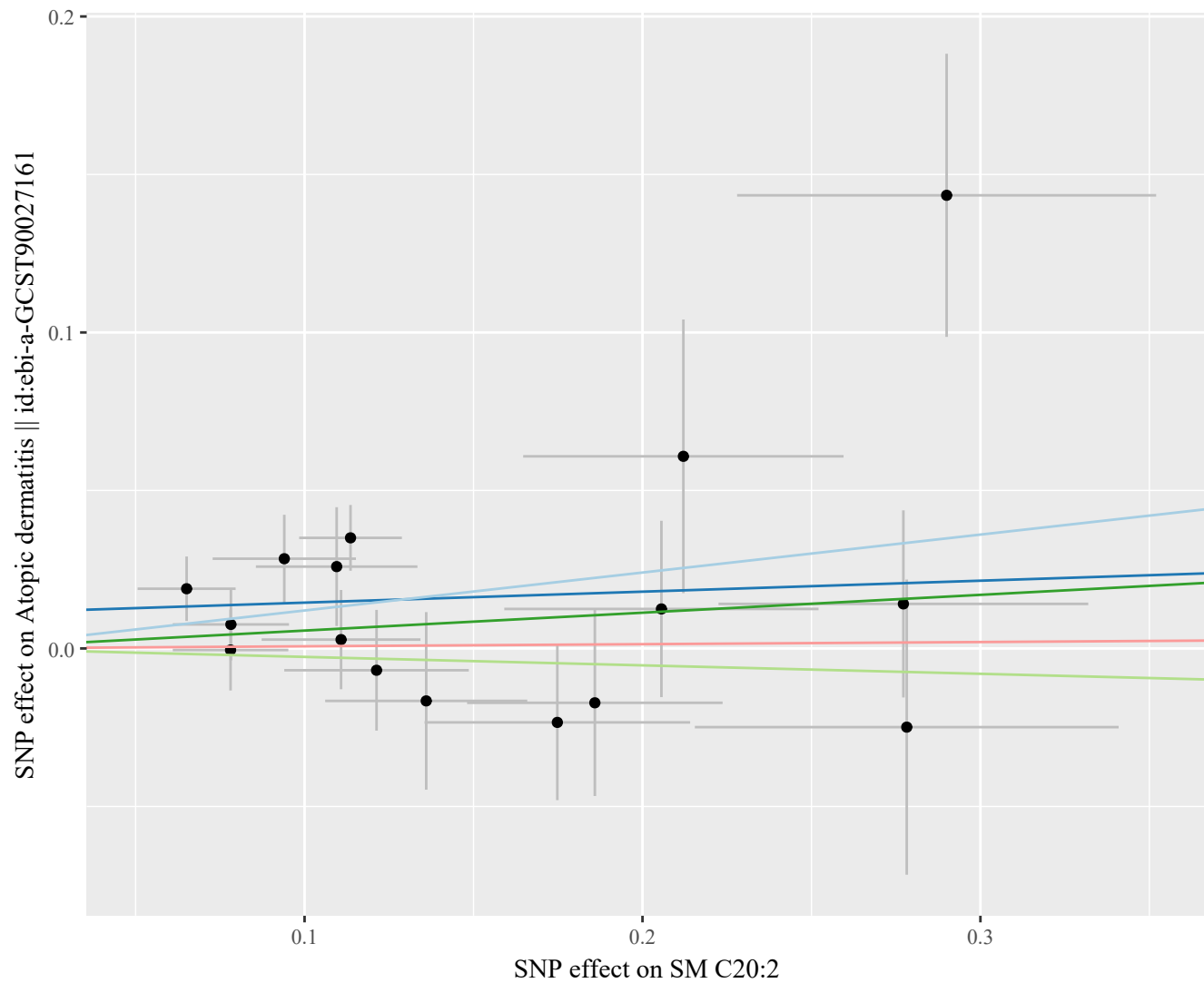
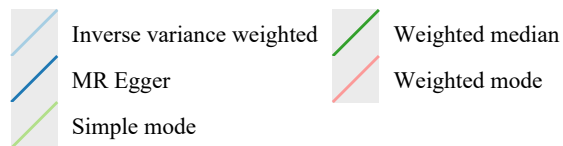
- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode



MR Test

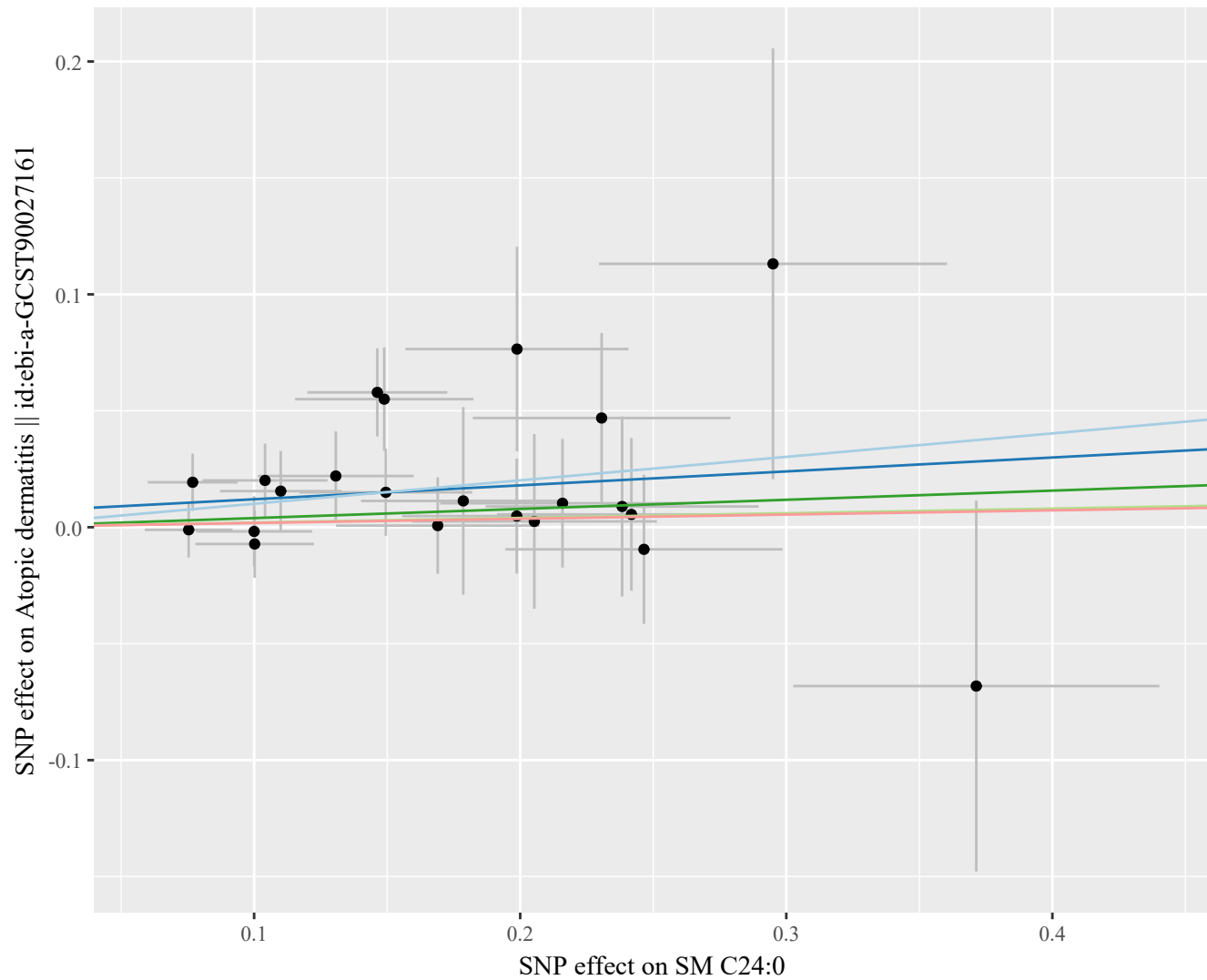


MR Test

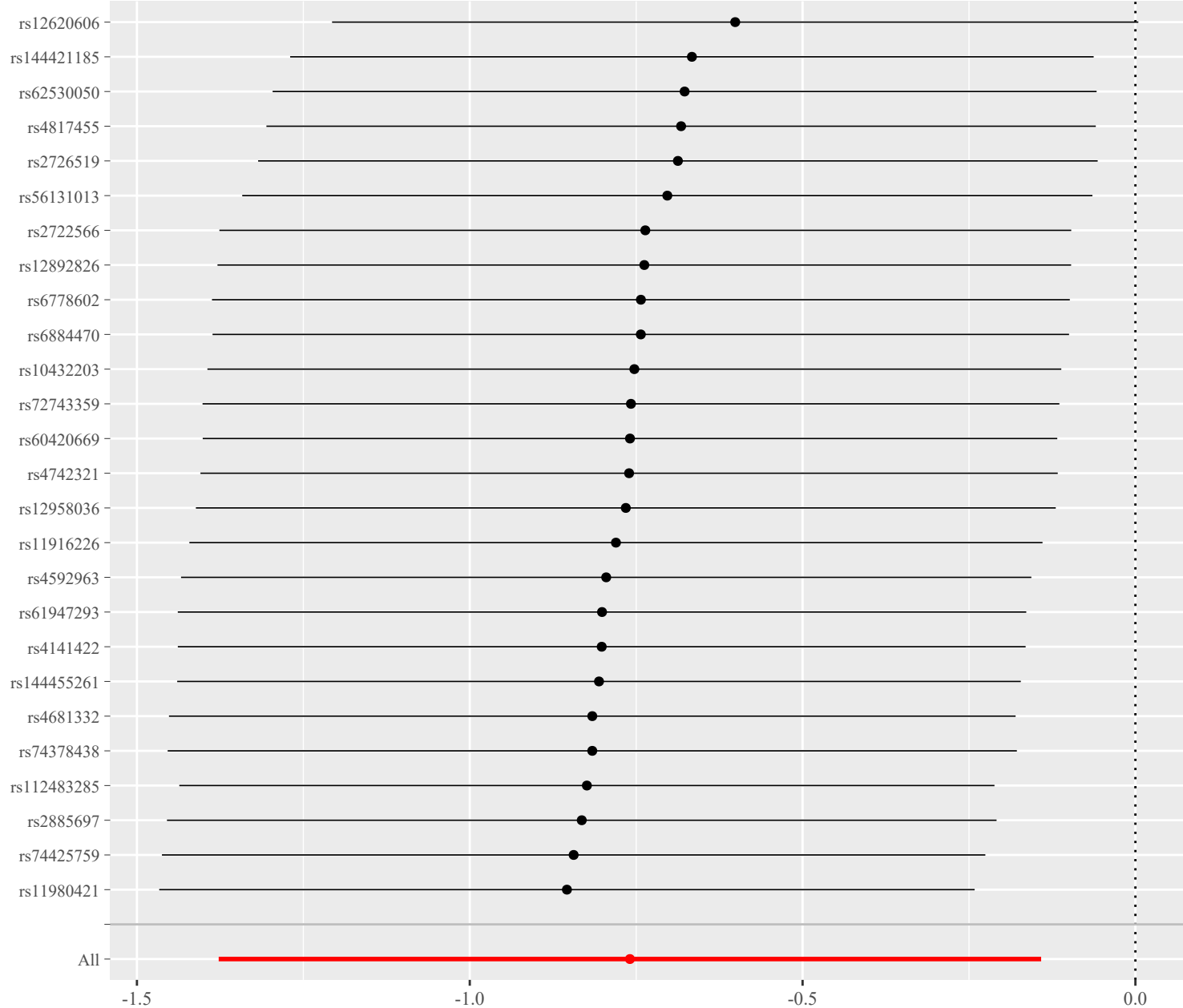


MR Test

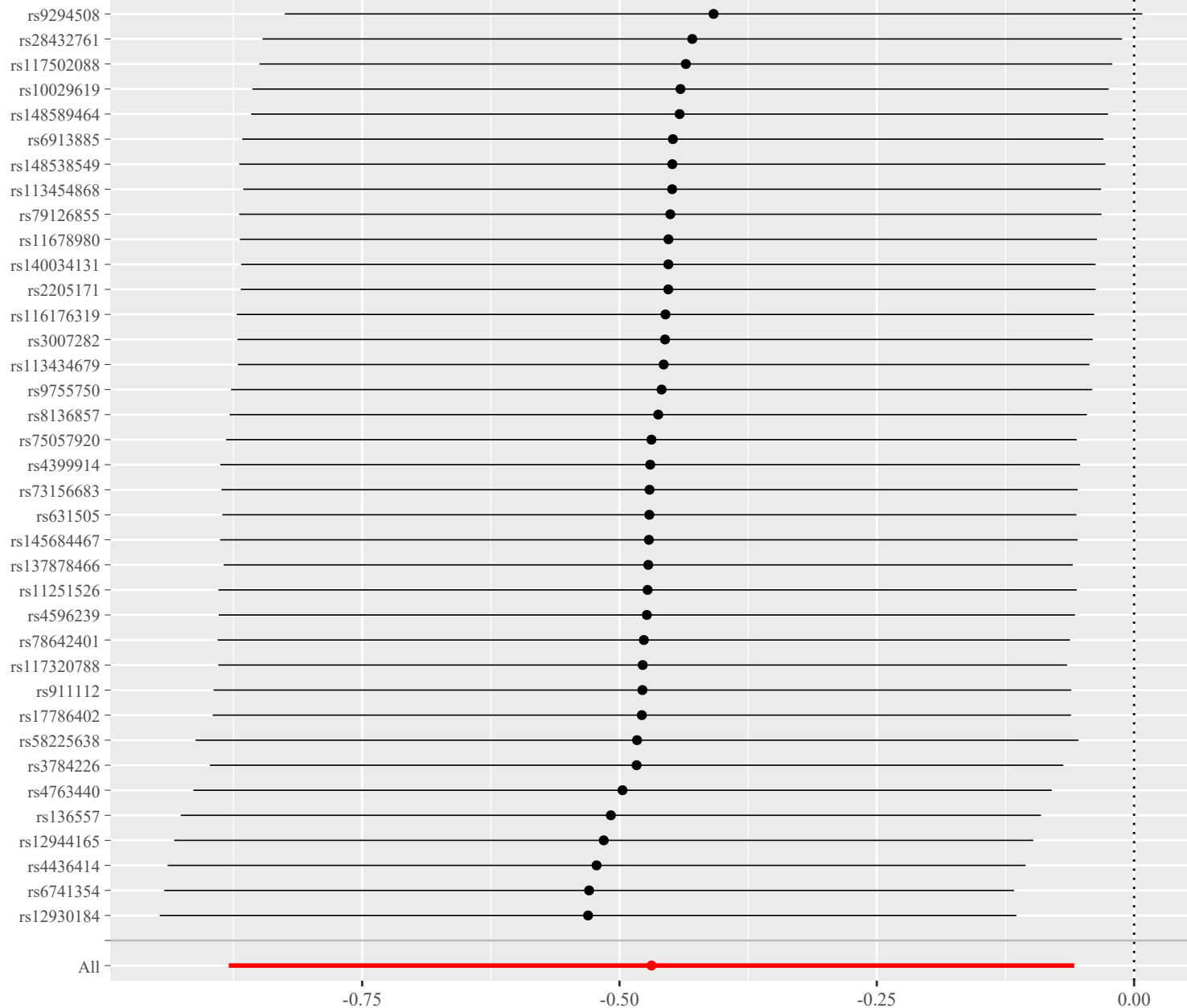
- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

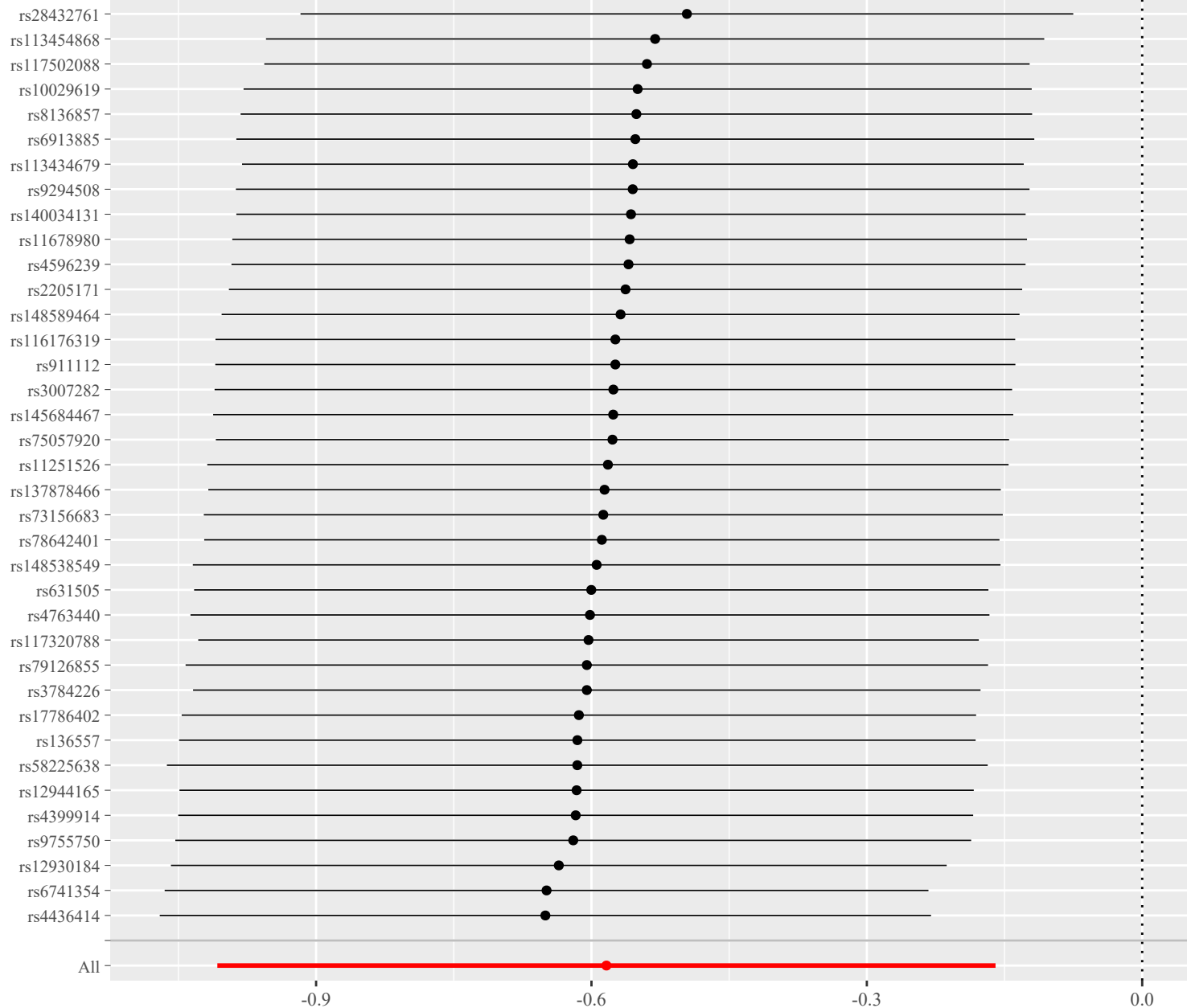


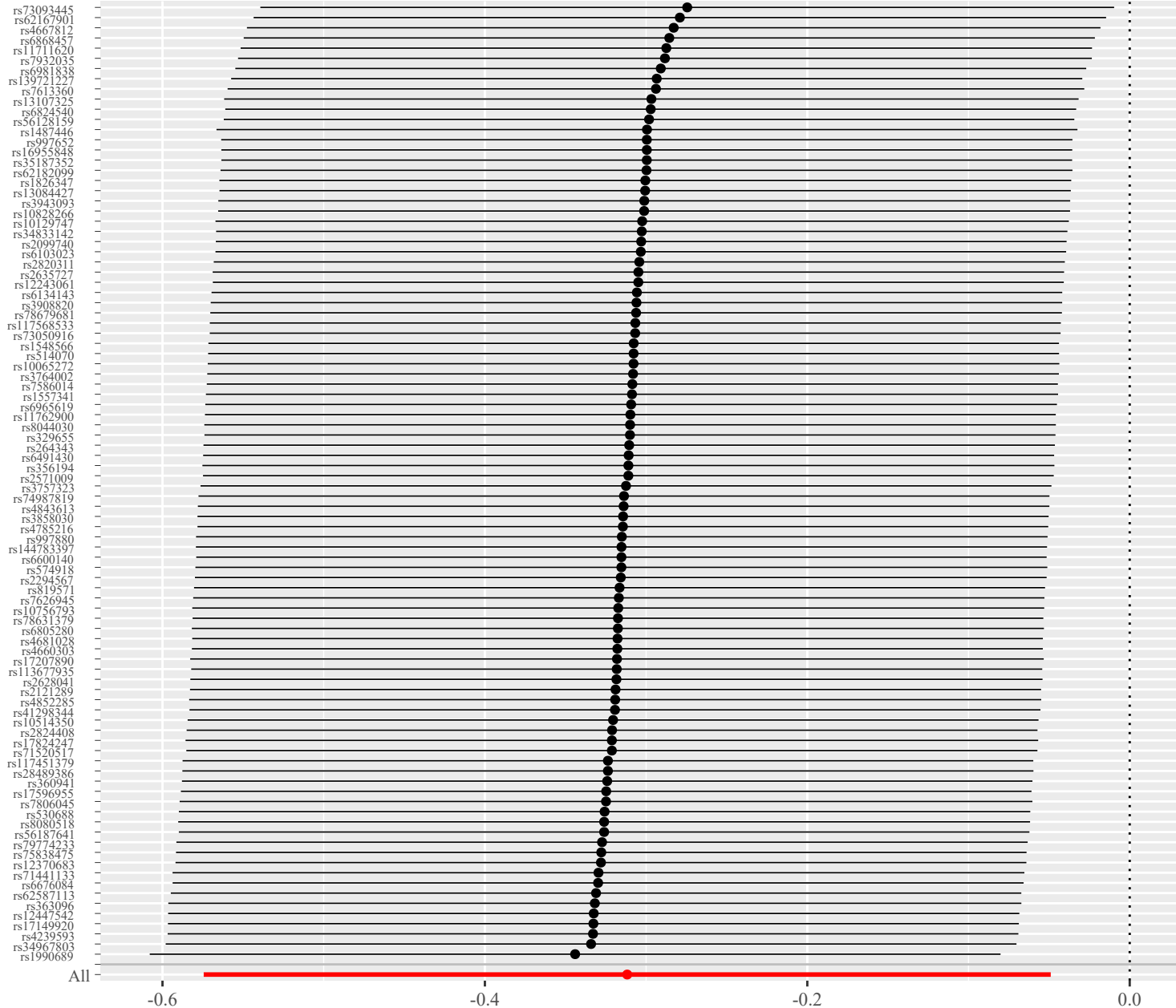
9. Supplementary Dataset 3: Leave-one-out, funnel, and scatter plots for dietary habits and lipidomics (4 datasets). Results were consistent, with no influential outliers detected.



MR leave-one-out sensitivity analysis for
'Spread type: Other oil-based spread' on 'SM C20:2'



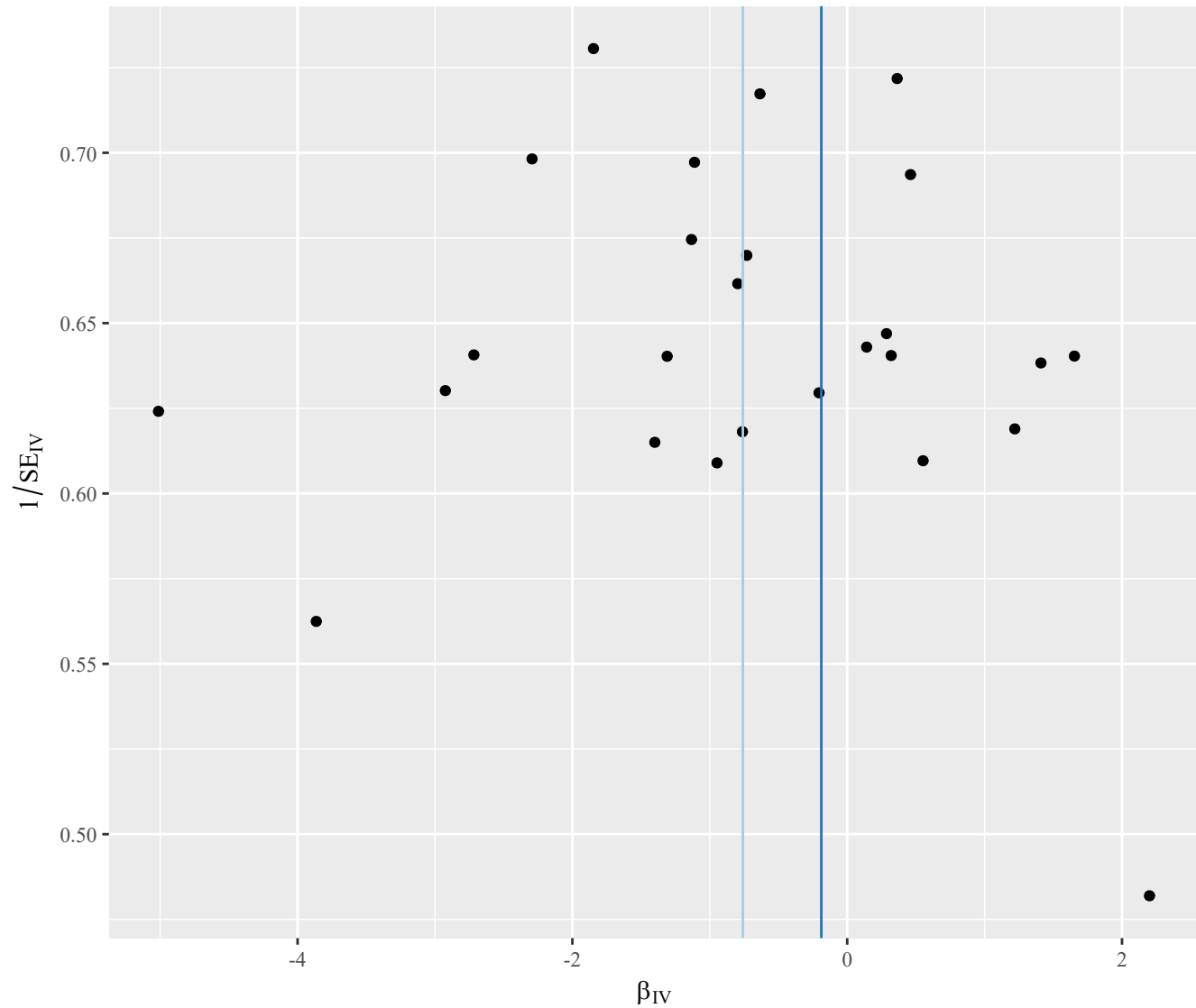




MR leave-one-out sensitivity analysis for
'Cereal type: Muesli' on 'PC aa C36:0'

MR Method

- Inverse variance weighted
- MR Egger

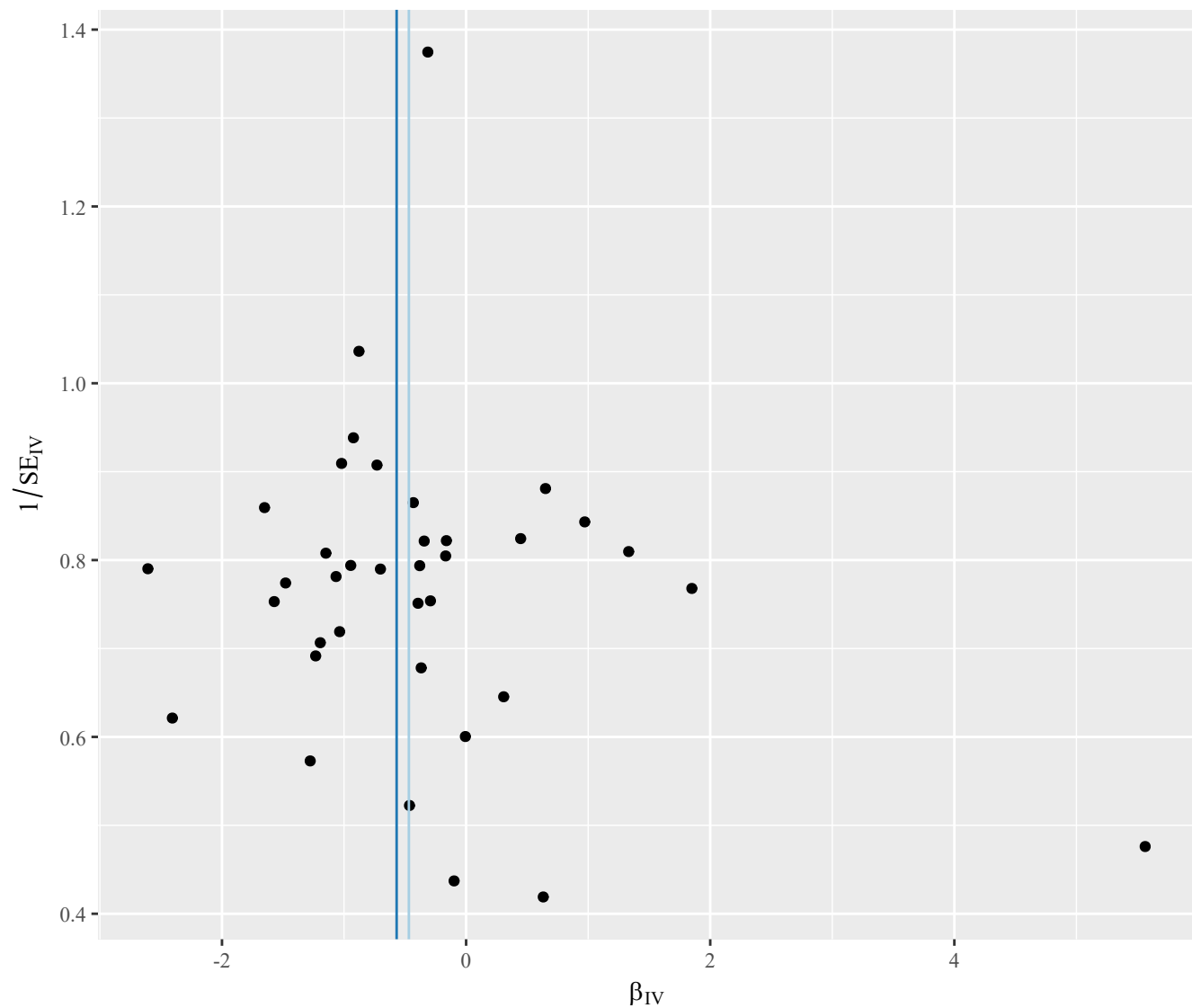


MR Method



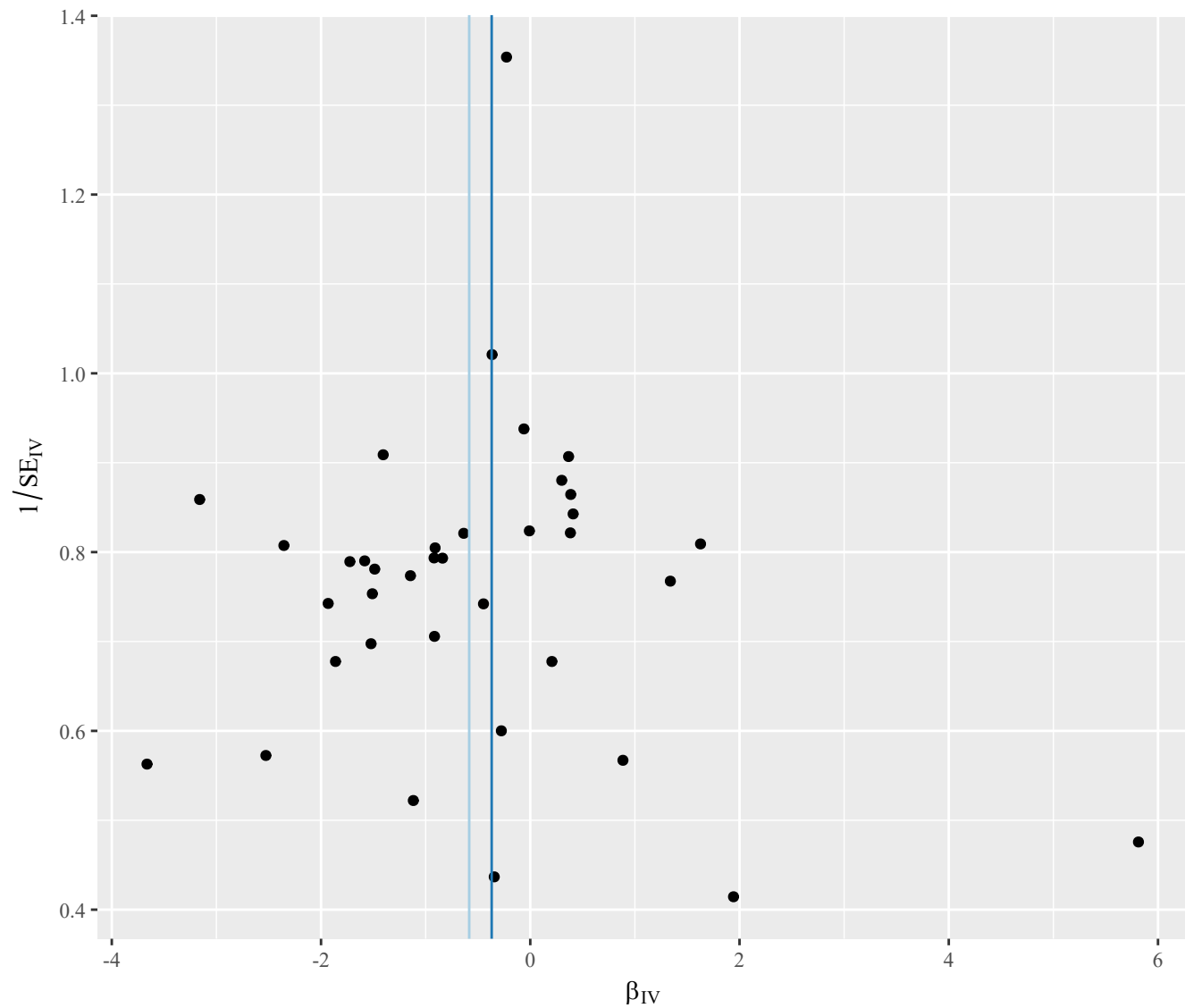
Inverse variance weighted

MR Egger



MR Method

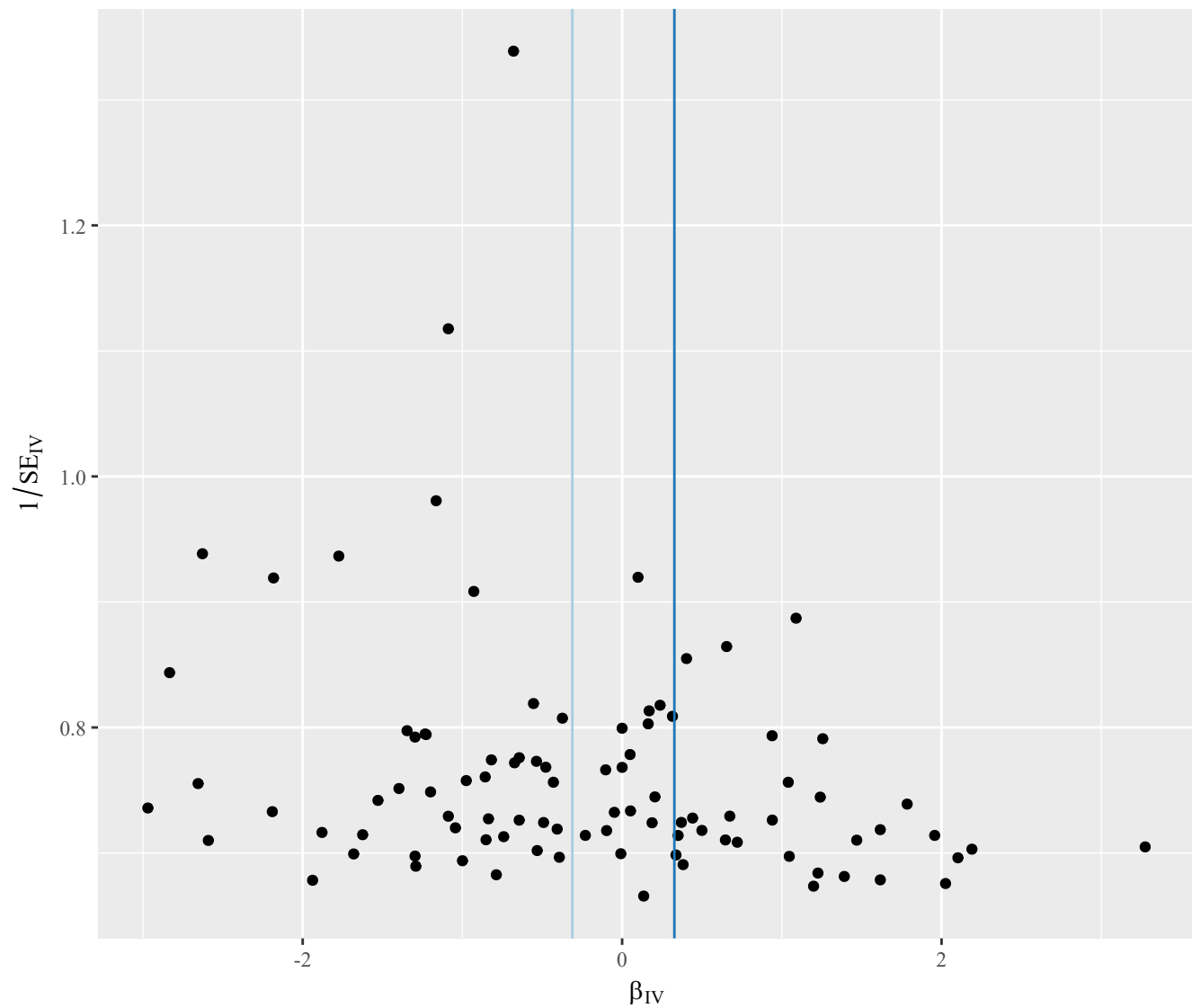
- Inverse variance weighted
- MR Egger



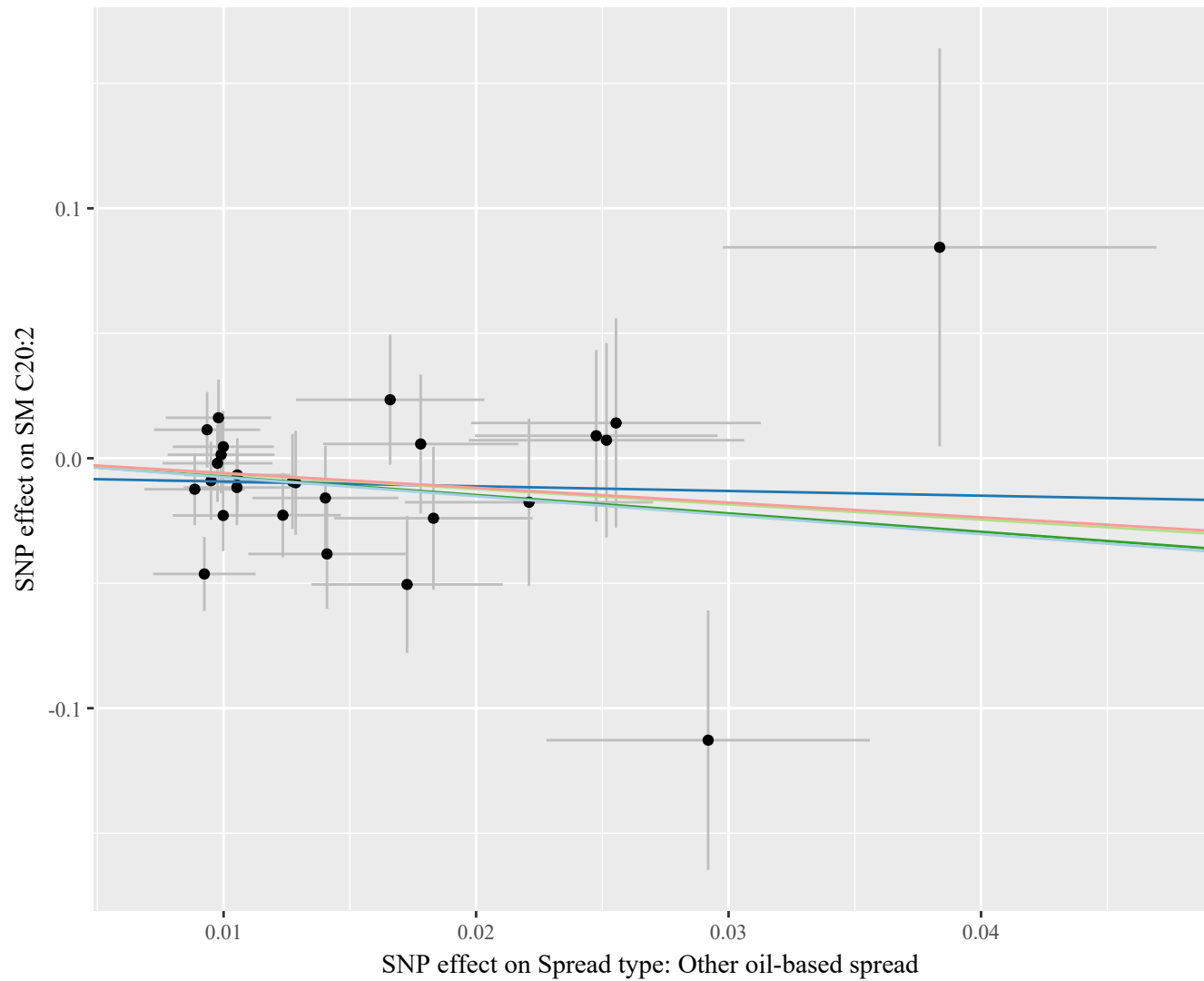
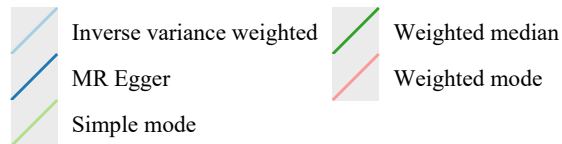
MR Method

Inverse variance weighted

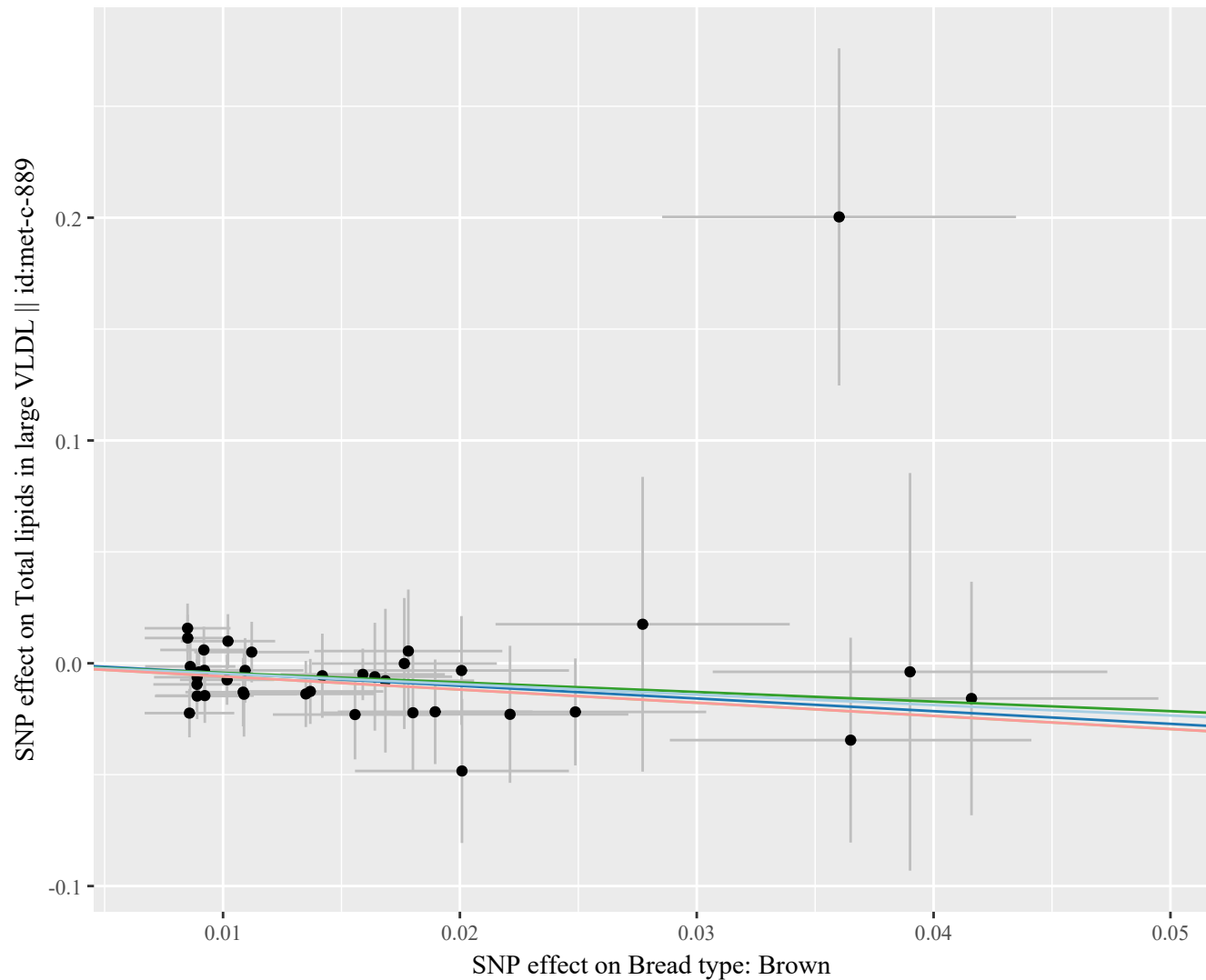
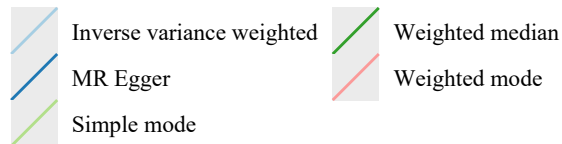
MR Egger



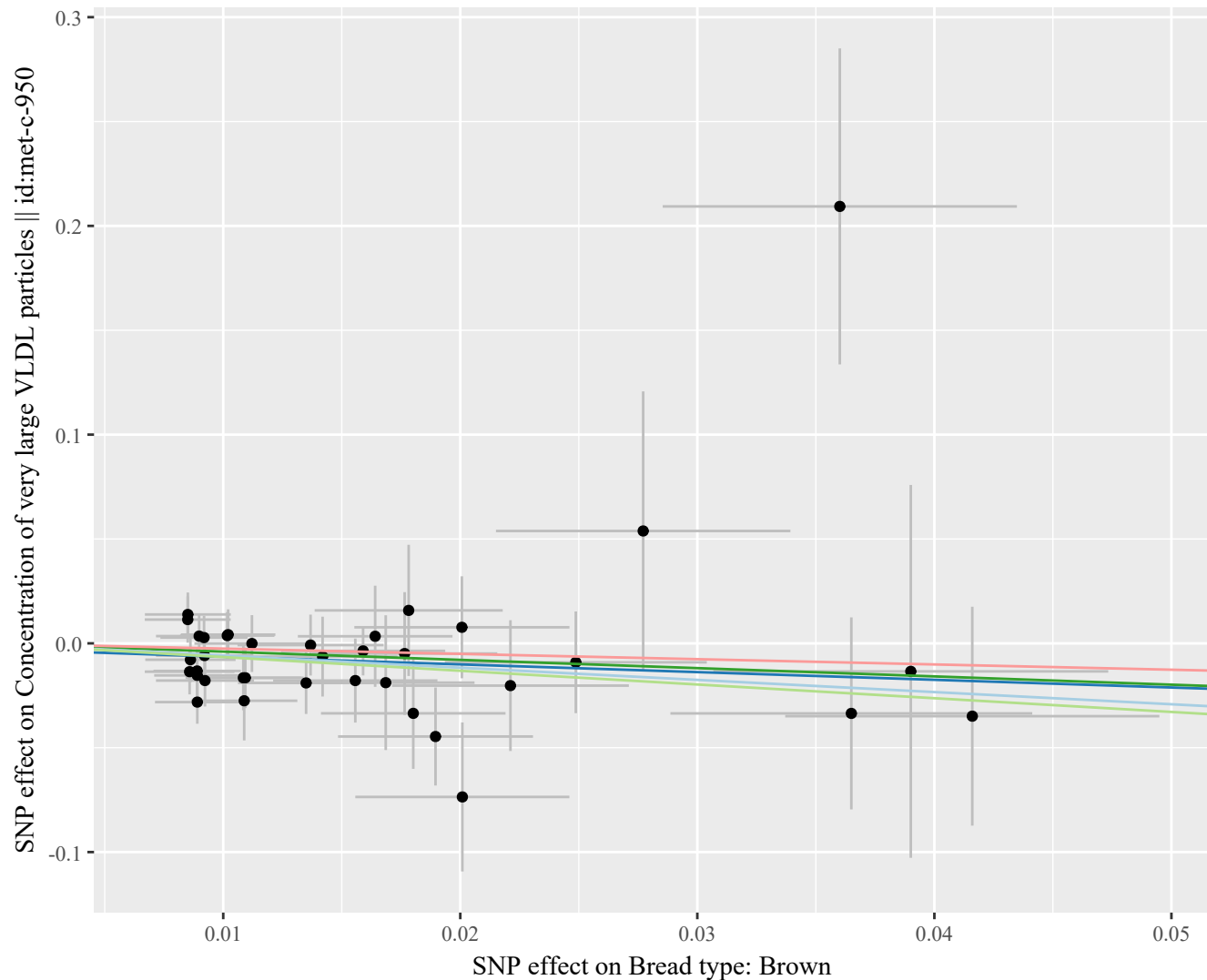
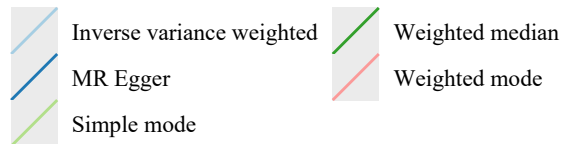
MR Test



MR Test



MR Test



MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

