Supplementary Table 17. Predicted targets of hsa-miR-181a-3p by TargetMiner.

Gene symbol	mRNA ID	Chromosomal location	Aliases	Gene name	Cancer gene
CD47	NM_001025079	3q13.1-q13.2	IAP; OA3; MER6	CD47 molecule	×
CELF2	NM_001025077	10p13	ETR3; ETR-3; NAPOR; CUGBP2; BRUNOL3	CUGBP, Elav-like family member 2	×
CPNE3	NM_003909	8q21.3	CPN3; PRO1071	Copine III	×
FECH	NM_001012515	18q21.3	18q21.3	Ferrochelatase	×
FGF5	NM_004464	4q21	HBGF-5; TCMGLY; Smag-82	Fibroblast growth factor 5	×
IKZF2	NM_016260	2q34	ANF1A2; HELIOS; ZNF1A2; ZNFN1A2	IKAROS family zinc finger 2 (Helios)	×
MIER1	NM_020948	1p31.3	ER1; MI-ER1	Mesoderm induction early response 1, transcriptional regulator	×
NLGN1	NM_014932	3q26.31	NL1	Neuroligin 1	×
NR2C2	NM_003298	3p25	TR4; TAK1	Nuclear receptor subfamily 2, group C, member 2	×
RBM12B	NM_203390	8q22.1	MGC:33837	RNA binding motif protein 12B	×
SMAD2	NM_001003652	18q21.1	JV18; MADH2; MADR2; JV18-1; hMAD-2; hSMAD2	SMAD family member 2	×
SRSF8	NM_032102	11q22	DSM-1; SRP46; SFRS2B	Serine/arginine-rich splicing factor 8	×
TLR4	NM_138554	9q33.1	TOLL; CD284; TLR-4; ARMD10	Toll-like receptor 4	×

Supplementary Table 18. Predicted targets of hsa-miR-181a-3p by MicroCosm Targets.

Gene symbol	Full name	Cancer gene	Score	Energy	P value	Length	Total sites	No. of cons species	No. miRNAs
ABCA9	ATP-binding cassette sub-family A member 9		15.8201	-27.38	1.00E-06	956	19	9	29 [+]
ABCC10	Multidrug resistance-associated protein 7 (ATP-binding cassette sub- family C member 10)		17.3718	-22.01	1.00E-06	510	17	2	44 [+]
ABCC10	Multidrug resistance-associated protein 7 (ATP-binding cassette sub- family C member 10)		14.4228	-18.51	1.00E-06	339	20	1	50 [+]
ABCC11	ATP-binding cassette transporter sub-family C member 11 (Multidrug resistance-associated protein 8)		15.7302	-14.62	1.00E-06	458	23	6	48 [+]
ABCF2	ATP-binding cassette sub-family F member 2 (Iron-inhibited ABC transporter 2)		16.2019	-31.37	1.00E-06	1000	29	2	18 [+]
ABCG8	ATP-binding cassette sub-family G member 8 (Sterolin-2		14.874	-20.6	1.21E-05	595	15	1	21 [+]
ABCG8	ATP-binding cassette sub-family G member 8 (Sterolin-2)		15.0382	-12.56	1.38E-05	399	16	12	50 [+]
ABP1	Amiloride-sensitive amine oxidase [copper-containing] precursor (EC 1.4.3.6) (Diamine oxidase) (DAO) (Amiloride-binding protein) (ABP) (Histaminase) (Kidney amine oxidase) (KAO)		14.7615	-12.95	1.57E-05	408	17	4	51 [+]
ACBD7	Acyl-CoA-binding domain-containing protein 7		16.5577	-24.97	2.47E-05	1159	14	3	17 [+]
ACBD7	Acyl-CoA-binding domain-containing protein 7		14.554	-10.6	3.21E-05	251	11	2	35 [+]
ACBD7	Acyl-CoA-binding domain-containing protein 7		14.1206	-14.1	3.34E-05	486	20	7	50 [+]

ACHE	Acetylcholinesterase precursor (EC 3.1.1.7) (AChE)		14.2345	-17.01	3.82E-05	4013	3	2	3 [+]
ACRC	ACRC protein		14.3618	-19.15	4.12E-05	1693	9	3	9 [+]
ACRC	ACRC protein		15.3119	-10.24	4.13E-05	373	18	5	50 [+]
ACTN4	Alpha-actinin-4 (Non-muscle alpha-actinin 4) (F-actin cross-linking protein)		16.3516	-21.37	4.61E-05	343	19	5	68 [+]
ACTR3	Actin-like protein 3 (Actin-related protein 3)		16.6931	-14.57	4.75E-05	661	17	1	18 [+]
ACTR3B	Actin-related protein 3-beta isoform 2		14.4017	-14.93	7.47E-05	1000	15	1	16 [+]
ADCY3	Adenylate cyclase type 3 (EC 4.6.1.1) (Adenylate cyclase type III) (ATP pyrophosphate-lyase 3) (Adenylyl cyclase 3) (AC-III) (AC3) (Adenylate cyclase, olfactive type)		14.2422	-12.59	8.19E-05	1000	12	1	14 [+]
ADRA1A	Alpha-1A adrenergic receptor (Alpha 1A-adrenoceptor) (Alpha 1A- adrenoreceptor) (Alpha-1C adrenergic receptor) (Alpha adrenergic receptor 1c)		15.1386	-17.85	8.34E-05	1000	14	1	13 [+]
AFF2	AF4/FMR2 family member 2 (Fragile X mental retardation 2 protein) (Protein FMR-2) (FMR2P) (Protein Ox19) (Fragile X E mental retardation syndrome protein)		15.0761	-21.76	8.55E-05	524	22	7	46 [+]
AHCTF1P	CDNA FLJ32832 fis, clone TESTI2003196. (Fragment)		14.6224	-14.35	8.70E-05	986	16	6	20 [+]
AHI1	Jouberin (Abelson helper integration site 1 protein homolog) (AHI-1)		14.216	-18.7	8.85E-05	1000	16	4	17 [+]
AHRR	Programmed cell death protein 6 (Probable calcium-binding protein ALG- 2)		14.554	-10.47	8.94E-05	289	17	3	48 [+]
AIM1L	Absent in melanoma 1-like		15.5985	-15.14	8.94E-05	337	18	1	53 [+]
AIRE	Autoimmune regulator (Autoimmune polyendocrinopathy candidiasis ectodermal dystrophy protein) (APECED protein)		14.2017	-17.22	9.24E-05	1000	10	1	10 [+]

AKT2	RAC-beta serine/threonine-protein kinase (EC 2.7.11.1) (RAC-PK-beta) (Protein kinase Akt-2) (Protein kinase B, beta) (PKB beta)	√	14.2017	-17.22	9.24E-05	1000	13	1	15 [+]
ALDH18A1	Delta 1-pyrroline-5-carboxylate synthetase (P5CS) (Aldehyde dehydrogenase 18 family member A1) [Includes: Glutamate 5-kinase (EC 2.7.2.11) (Gamma-glutamyl kinase) (GK); Gamma-glutamyl phosphate reductase (GPR) (EC 1.2.1.41) (Glutamate-5-semialdehyde dehydrogenase)		14.3125	-10.61	9.27E-05	348	21	1	55 [+]
ALDH18A1	Delta 1-pyrroline-5-carboxylate synthetase (P5CS) (Aldehyde dehydrogenase 18 family member A1) [Includes: Glutamate 5-kinase (EC 2.7.2.11) (Gamma-glutamyl kinase) (GK); Gamma-glutamyl phosphate reductase (GPR) (EC 1.2.1.41) (Glutamate-5-semialdehyde dehydrogenase)		14.8669	-15.03	9.98E-05	427	21	3	64 [+]
ALDH2	Aldehyde dehydrogenase, mitochondrial precursor (EC 1.2.1.3) (ALDH class 2) (ALDHI) (ALDH-E2)		14.5901	-15.43	0.000106	1364	17	6	17 [+]
ALDH4A1	Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial precursor (EC 1.5.1.12) (P5C dehydrogenase) (Aldehyde dehydrogenase 4A1)		14.56	-15.51	0.000109	738	23	6	42 [+]
ALDH6A1	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial precursor (EC 1.2.1.27) (MMSDH) (Malonate-semialdehyde dehydrogenase [acylating]) (EC 1.2.1.18)		14.1419	-11.41	0.00011	1000	15	1	15 [+]
ALG14	UDP-N-acetylglucosamine transferase subunit ALG14 homolog		17.7377	-22.05	0.000117	198	10	4	60 [+]
AMOT	Angiomotin		15.3199	-20.9	0.000117	438	20	6	48 [+]

ANKRD35	Ankyrin repeat domain-containing protein 35		15.3867	-22.15	0.000132	463	23	6	54 [+]
ANP32B	Acidic leucine-rich nuclear phosphoprotein 32 family member B (PHAPI2 protein) (Silver-stainable protein SSP29) (Acidic protein rich in leucines)		16.8281	-16.91	0.000134	272	17	6	74 [+]
ANPEP	Aminopeptidase N (EC 3.4.11.2) (hAPN) (Alanyl aminopeptidase) (Microsomal aminopeptidase) (Aminopeptidase M) (gp150) (Myeloid plasma membrane glycoprotein CD13) (CD13 antigen)		16.7144	-13.54	0.000136	205	11	1	39 [+]
ANXA1	Annexin A1 (Annexin I) (Lipocortin I) (Calpactin II) (Chromobindin-9) (p35) (Phospholipase A2 inhibitory protein)		14.7637	-20.71	0.000152	1193	18	5	21 [+]
ANXA13	Annexin A13 (Annexin XIII) (Annexin, intestine-specific) (ISA)		14.6731	-22.27	0.000158	2232	12	8	12 [+]
APBB1IP	Amyloid beta A4 precursor protein-binding family B member 1- interacting protein (APBB1-interacting protein 1) (Rap1-GTP-interacting adapter molecule) (RIAM) (Proline-rich EVH1 ligand 1) (PREL-1) (Proline-rich protein 73) (Retinoic acid-responsive prolin		14.1854	-16.29	0.000162	763	19	8	31 [+]
APLP2	Amyloid-like protein 2 precursor (Amyloid protein homolog) (APPH) (CDEI box-binding protein) (CDEBP)		14.6652	-16.85	0.00017	602	19	5	54 [+]
APOC2	Apolipoprotein C-II precursor (Apo-CII) (ApoC-II)		14.0992	-13.39	0.000173	188	10	6	45 [+]
APOOL	Apolipoprotein O-like precursor (Protein FAM121A)		15.8396	-19.23	0.000198	816	14	7	30 [+]

APP	Amyloid beta A4 protein precursor (APP) (ABPP) (Alzheimer disease amyloid protein) (Cerebral vascular amyloid peptide) (CVAP) (Protease nexin-II) (PN-II) (APPI) (PreA4) [Contains: Soluble APP-alpha (S-APP- alpha); Soluble APP-beta (S-APP-beta); C99; Beta-		16.487	-18.35	0.000204	262	16	6	71 [+]
AQP9	Aquaporin-9 (AQP-9) (Small solute channel 1)		14.8951	-15.71	0.00023	323	16	4	68 [+]
ARFIP1	Arfaptin-1 (ADP-ribosylation factor-interacting protein 1)		15.1262	-15.32	0.000254	1000	14	9	22 [+]
ARHGAP22	Rho GTPase-activating protein 22 (Rho-type GTPase-activating protein 22)		15.4019	-15.72	0.000293	1000	17	1	17 [+]
ARHGDIA	Rho GDP-dissociation inhibitor 1 (Rho GDI 1) (Rho-GDI alpha)		17.0555	-14.24	0.000295	157	8	3	33 [+]
ARHGEF9	Rho guanine nucleotide exchange factor 9 (Rac/Cdc42 guanine nucleotide exchange factor 9) (Collybistin) (PEM-2 homolog)		14.3132	-12.55	0.000341	1000	21	4	28 [+]
ARL1	ADP-ribosylation factor-like protein 1		16.2144	-11.14	0.000347	335	17	3	47 [+]
ASPHD1	Aspartate beta-hydroxylase domain-containing protein 1 (EC 1.14.11.-)		15.5375	-11.54	0.000351	349	18	1	44 [+]
ATAD5	Chromosome fragility associated gene 1		14.7218	-19.52	0.000379	1201	21	5	25 [+]
ATOH1	Protein atonal homolog 1 (Helix-loop-helix protein hATH-1)		15.2254	-18.46	0.000421	709	15	1	16 [+]
ATP13A4	ATPase type 13A4		15.9185	-15.07	0.000426	205	10	6	35 [+]
ATP8A2	Probable phospholipid-transporting ATPase IB (EC 3.6.3.1) (ATPase class I type 8A member 2) (ML-1)		15.2543	-18.27	0.000456	652	23	4	48 [+]
AXIN2	Axin-2 (Axis inhibition protein 2) (Conductin) (Axin-like protein) (Axil)		15.3256	-11.01	0.000483	370	21	7	89 [+]
B3GNT8	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 8		14.2129	-13.9	0.000507	265	15	2	57 [+]

BACE2	Beta-secretase 2 precursor (EC 3.4.23.45) (Beta-site APP-cleaving enzyme 2) (Aspartyl protease 1) (Asp 1) (ASP1) (Membrane-associated aspartic protease 1) (Memapsin-1) (Aspartic-like protease 56 kDa) (Down region aspartic protease)		15.3513	-11.54	0.000512	389	17	3	39 [+]
BACE2	Beta-secretase 2 precursor (EC 3.4.23.45) (Beta-site APP-cleaving enzyme 2) (Aspartyl protease 1) (Asp 1) (ASP1) (Membrane-associated aspartic protease 1) (Memapsin-1) (Aspartic-like protease 56 kDa) (Down region aspartic protease)		14.3212	-11.19	0.000542	301	19	9	80 [+]
BBS5	Bardet-Biedl syndrome 5 protein		15.9841	-22.01	0.000542	1146	17	3	22 [+]
BCAS3	Breast carcinoma amplified sequence 3 (GAOB1) (Maab1 protein)		14.2017	-15.49	0.000546	1000	15	3	19 [+]
BCKDK	[3-Methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial precursor (EC 2.7.11.4) (Branched-chain alpha-ketoacid dehydrogenase kinase) (BCKDHKIN) (BCKD-kinase)		15.148	-20.15	0.000607	1000	8	1	12 [+]
BCL2A1	Bcl-2-related protein A1 (Protein BFL-1) (Hemopoietic-specific early response protein) (Protein GRS)		15.0445	-15.59	0.000611	314	17	8	73 [+]
BCL7C	B-cell CLL/lymphoma 7 protein family member C		14.7644	-13.28	0.000641	455	20	6	62 [+]
BDH1	D-beta-hydroxybutyrate dehydrogenase, mitochondrial precursor (EC 1.1.1.30) (BDH) (3-hydroxybutyrate dehydrogenase)		15.0183	-17.04	0.000645	741	16	6	21 [+]
BDNF	Brain-derived neurotrophic factor precursor (BDNF) (Abrineurin)		15.0088	-8.72	0.000657	296	16	4	47 [+]

BFSP1	Filensin (Beaded filament structural protein 1) (Lens fiber cell beaded-filament structural protein CP 115) (CP115) (Lens intermediate filament-like heavy) (LIFL-H)		17.2829	-21.46	0.000657	325	15	11	57 [+]
BFSP1	Filensin (Beaded filament structural protein 1) (Lens fiber cell beaded-filament structural protein CP 115) (CP115) (Lens intermediate filament-like heavy) (LIFL-H)		15.0088	-13.22	0.000657	145	7	1	22 [+]
BGN	Biglycan precursor (Bone/cartilage proteoglycan I) (PG-S1)		15.7682	-18.91	0.000701	744	19	4	23 [+]
BID	BH3-interacting domain death agonist (BID) (p22 BID) [Contains: BH3-interacting domain death agonist p15 (p15 BID); BH3-interacting domain death agonist p13 (p13 BID); BH3-interacting domain death agonist p11 (p11 BID)]		16.33	-24.71	0.000731	1000	16	4	22 [+]
BIRC8	Baculoviral IAP repeat-containing protein 8 (Inhibitor of apoptosis- like protein 2) (IAP-like protein 2) (ILP-2) (Testis-specific inhibitor of apoptosis)		15.0508	-16.07	0.00074	1000	13	1	14 [+]
BMP1	Bone morphogenetic protein 1 precursor (EC 3.4.24.19) (BMP-1) (Procollagen C-proteinase) (PCP) (Mammalian tolloid protein) (mTld)		15.0492	-16.07	0.000743	1000	12	1	12 [+]
BPHL	Valacyclovir hydrolase precursor (EC 3.1.-.-) (VACVase) (Biphenyl hydrolase-like protein) (Biphenyl hydrolase-related protein) (Bph-rp) (Breast epithelial mucin-associated antigen) (MCNAA)		15.0492	-16.07	0.000743	1000	13	1	13 [+]
BRCA2	Breast cancer type 2 susceptibility protein (Fanconi anemia group D1 protein)		16.8281	-19.58	0.00076	300	18	6	68 [+]
BUB3	Mitotic checkpoint protein BUB3		14.113	-17.73	0.000765	1000	15	2	16 [+]

BXDC5	Ribosome production factor 1 (Ribosome biogenesis protein RPF1) (Brix domain-containing protein 5)		15.7321	-17.61	0.000772	1000	14	9	20 [+]
C10orf65	Dihydrodipicolinate synthase-like, mitochondrial precursor (EC 4.-.-.-) (DHDPS-like protein)		15.0291	-16.07	0.000774	1000	13	1	12 [+]
C10orf97	CDNA FLJ13397 fis, clone PLACE1001351 (Novel protein) (Chromosome 10 open reading frame 97) (Hypothetical protein DKFZp547B174) (DERP5) (Dermal papilla derived protein 5)		15.9079	-20.12	0.000774	440	20	4	44 [+]
C11orf2	Uncharacterized protein C11orf2 (Another new gene 2 protein)		15.5019	-18.34	0.000818	1000	18	1	19 [+]
C12orf45	Uncharacterized protein C12orf45		15.2362	-10.37	0.000829	249	13	9	53 [+]
C12orf52	CDNA FLJ14827 fis, clone OVARC1000886 (Chromosome 12 open reading frame 52) (CDNA PSEC0043 fis, clone NT2RP1001002)		15.2707	-15.9	0.000888	689	23	4	33 [+]
C12orf62	Uncharacterized protein C12orf62		14.8823	-18.39	0.000899	633	17	5	35 [+]
C14orf131	CDNA FLJ11132 fis, clone PLACE1006335		14.0506	-17.33	0.000912	474	20	3	40 [+]
C14orf166B	CDNA FLJ43734 fis, clone TESTI2004700		17.0555	-23.14	0.000934	276	16	4	57 [+]
C14orf167	Uncharacterized protein C14orf167		14.4383	-9.54	0.000946	364	20	4	49 [+]
C14orf28	Uncharacterized protein C14orf28 (Dopamine receptor-interacting protein 1)		14.1581	-13.41	0.000949	1399	12	3	12 [+]
C14orf54	Uncharacterized protein C14orf54		15.3499	-18.26	0.000951	209	12	4	41 [+]
C14orf54	Uncharacterized protein C14orf54		15.2456	-16.07	0.000957	910	17	3	27 [+]
C15orf43	Uncharacterized protein C15orf43		15.6195	-10.13	0.000966	378	15	2	44 [+]
C16orf57	UPF0406 protein C16orf57		14.8436	-21.89	0.000975	1088	14	6	17 [+]
C16orf68	Uncharacterized protein C16orf68		15.4636	-12.71	0.000991	185	8	8	41 [+]
C18orf22	Putative ribosome-binding factor A, mitochondrial precursor		16.9418	-14.5	0.000994	154	9	4	30 [+]

C18orf22	Putative ribosome-binding factor A, mitochondrial precursor		14.7765	-12.92	0.001049	1775	12	5	12 [+]
C19orf29	Uncharacterized protein C19orf29 (Renal carcinoma antigen NY-REN-24)		15.3506	-12.07	0.001107	539	21	6	55 [+]
C1orf162	Uncharacterized protein C1orf162		16.7144	-15.2	0.001123	108	6	6	21 [+]
C1orf162	Uncharacterized protein C1orf162		16.071	-17.23	0.001128	454	20	6	41 [+]
C1orf165	Coiled-coil domain-containg protein C1orf165		15.0501	-14.24	0.001169	699	15	5	29 [+]
C1orf50	Uncharacterized protein C1orf50		16.0667	-19.69	0.001178	1321	17	5	19 [+]
C1orf77	Uncharacterized protein C1orf77		16.2948	-21.11	0.001202	695	18	4	31 [+]
C1orf78	Transmembrane protein C1orf78		15.7019	-26.03	0.001227	1000	12	1	8 [+]
C20orf51	Putative uncharacterized protein C20orf51		16.2596	-14.67	0.001254	230	10	3	39 [+]
C20orf71	Short palate, lung and nasal epithelium carcinoma-associated protein 3 precursor		14.6859	-16.5	0.001267	364	22	1	56 [+]
C20orf79	Uncharacterized protein C20orf79		15.4436	-15.2	0.001303	660	18	5	31 [+]
C20orf94	Uncharacterized protein C20orf94		14.6677	-14.43	0.001315	201	9	1	27 [+]
C3orf15	AMY-1-associating protein expressed in testis 1 (AAT-1)		15.5849	-14.67	0.001335	448	16	1	31 [+]
C3orf23	Uncharacterized protein C3orf23		14.6511	-14.43	0.001359	303	17	6	54 [+]
C4orf26	Uncharacterized protein C4orf26		14.4524	-10.08	0.001395	342	18	4	54 [+]
C6orf206	Uncharacterized protein C6orf206		14.6317	-12.99	0.001414	1013	6	1	5 [+]
C6orf94	UPF0418 protein C6orf94		15.3506	-13.49	0.001442	614	17	6	28 [+]
C7orf33	Uncharacterized protein C7orf33		15.5988	-12.29	0.001456	495	25	7	68 [+]
C8orf40	Uncharacterized protein C8orf40		15.9619	-16.97	0.001468	332	16	1	32 [+]
C8orf48	Uncharacterized protein C8orf48		14.6079	-13.93	0.001483	311	16	1	40 [+]
C9orf133	NOT ANNOTATED		14.7018	-18.87	0.001502	1000	20	1	19 [+]
C9orf78	Uncharacterized protein C9orf78 (Hepatocellular carcinoma-associated antigen 59)		14.654	-19.35	0.001521	1000	18	5	33 [+]
C9orf85	Uncharacterized protein C9orf85		15.8047	-14.65	0.001583	260	11	2	33 [+]
C9orf86	Putative GTP-binding protein Parf (Partner of ARF)		16.5982	-13.54	0.001598	406	18	5	45 [+]

CA8	Carbonic anhydrase-related protein (CARP) (CA-VIII)		15.7656	-19.11	0.00161	794	18	5	31 [+]
CADPS	Calcium-dependent secretion activator 1 (Calcium-dependent activator protein for secretion 1) (CAPS-1)		14.5653	-16.82	0.001616	420	14	1	28 [+]
CALML5	Calmodulin-like protein 5 (Calmodulin-like skin protein)		15.0091	-16.03	0.001633	584	25	4	52 [+]
CALML5	Calmodulin-like protein 5 (Calmodulin-like skin protein)		14.5577	-16.82	0.00164	422	14	1	28 [+]
CAPZA2	F-actin capping protein subunit alpha-2 (CapZ alpha-2)		15.0018	-14.88	0.001648	1000	11	3	13 [+]
CARS	Cysteinyl-tRNA synthetase, cytoplasmic (EC 6.1.1.16) (Cysteine--tRNA ligase) (CysRS)		14.554	-14.63	0.001653	216	11	1	39 [+]
CASP10	Caspase-10 precursor (EC 3.4.22.63) (CASP-10) (ICE-like apoptotic protease 4) (Apoptotic protease Mch-4) (FAS-associated death domain protein interleukin-1B-converting enzyme 2) (FLICE2) [Contains: Caspase-10 subunit p23/17; Caspase-10 subunit p12]		15.1718	-12.7	0.001686	602	24	6	52 [+]
CAST	Calpastatin (Calpain inhibitor) (Sperm BS-17 component)		15.0511	-13.85	0.001715	408	17	2	34 [+]
CAST	Calpastatin (Calpain inhibitor) (Sperm BS-17 component)		14.0992	-8.95	0.001721	184	10	9	52 [+]
CBWD6	COBW domain-containing protein 6		15.8033	-19.26	0.001723	363	20	6	63 [+]
CBX6	Chromobox protein homolog 6		15.1749	-23.64	0.001731	1000	17	4	20 [+]
CCL3	Small inducible cytokine A3 precursor (CCL3) (Macrophage inflammatory protein 1-alpha) (MIP-1-alpha) (Tonsillar lymphocyte LD78 alpha protein) (G0/G1 switch regulatory protein 19-1) (G0S19-1 protein) (SIS-beta) (PAT 464.1) [Contains: MIP-1-alpha(4-69) (LD		15.6019	-23.8	0.001739	1000	21	2	29 [+]

CCM2	Malcavernin (Cerebral cavernous malformations 2 protein)		14.9741	-13.72	0.001798	1097	22	9	27 [+]
CCM2	Malcavernin (Cerebral cavernous malformations 2 protein)		15.0088	-9.11	0.001801	227	11	7	49 [+]
CCNDBP1	Cyclin D-type binding-protein 1 isoform 1		14.7139	-11.84	0.001805	538	23	5	49 [+]
CCT3	T-complex protein 1 subunit gamma (TCP-1-gamma) (CCT-gamma) (hTRiC5)		16.1172	-12.58	0.001814	1000	17	7	23 [+]
CD164L2	CD164 sialomucin-like 2 protein precursor		16.1459	-15.03	0.001817	241	14	4	51 [+]
CD34	Hematopoietic progenitor cell antigen CD34 precursor		14.5038	-8.63	0.001828	355	18	1	41 [+]
CD34	Hematopoietic progenitor cell antigen CD34 precursor		14.5032	-18.35	0.00183	1107	15	7	16 [+]
CD55	Complement decay-accelerating factor precursor (CD55 antigen)		17.8514	-20.15	0.001862	262	13	1	30 [+]
CD55	Complement decay-accelerating factor precursor (CD55 antigen)		17.1023	-20.73	0.001879	1000	15	2	15 [+]
CD55	Complement decay-accelerating factor precursor (CD55 antigen)		14.6435	-9.73	0.001887	421	18	2	40 [+]
CD6	T-cell differentiation antigen CD6 precursor (T12) (TP120)		17.0144	-23.81	0.00189	758	16	1	27 [+]
CD69	Early activation antigen CD69 (Early T-cell activation antigen p60) (GP32/28) (Leu-23) (MLR-3) (EA1) (BL-AC/P26) (Activation inducer molecule) (AIM)		14.4789	-16.31	0.001921	314	17	1	41 [+]
CD9	CD9 antigen (p24) (Leukocyte antigen MIC3) (Motility-related protein) (MRP-1) (Tetraspanin-29) (Tspan-29)		15.2362	-21.31	0.001922	198	12	2	46 [+]
CDADC1	Cytidine and dCMP deaminase domain containing 1		16.4745	-15.08	0.001923	302	16	7	48 [+]
CDADC1	Cytidine and dCMP deaminase domain containing 1		14.7212	-17.88	0.001958	1386	6	2	5 [+]

CDC34	Ubiquitin-conjugating enzyme E2 R1 (EC 6.3.2.19) (Ubiquitin-protein ligase R1) (Ubiquitin-conjugating enzyme E2-32 kDa complementing) (E2- CDC34)		15.0124	-10.39	0.001972	320	16	5	52 [+]
CDK4	Cell division protein kinase 4 (EC 2.7.11.22) (Cyclin-dependent kinase 4) (PSK-J2)		14.5215	-11.34	0.001976	403	19	6	64 [+]
CDR1	Cerebellar degeneration-related protein 1, 34kDa		14.4633	-9.73	0.001982	441	17	6	54 [+]
CDY2_HUMAN	Testis-specific chromodomain protein Y 2		14.8018	-19.01	0.001989	1000	15	1	19 [+]
CEACAM21	Carcinoembryonic antigen-related cell adhesion molecule		17.7849	-22.1	0.001997	1000	15	1	17 [+]
CEACAM3	Carcinoembryonic antigen-related cell adhesion molecule 3 precursor (Carcinoembryonic antigen CGM1) (CD66d antigen)		14.4561	-13.38	0.002011	450	16	5	41 [+]
CEACAM3	Carcinoembryonic antigen-related cell adhesion molecule 3 precursor (Carcinoembryonic antigen CGM1) (CD66d antigen)		14.4403	-10.67	0.002075	280	16	2	68 [+]
CEACAM4	carcinoembryonic antigen-related cell adhesion molecule 4		14.4403	-10.67	0.002075	273	16	1	59 [+]
CENPI	Centromere protein I (CENP-I) (Interphase centromere complex protein 19) (Follicle-stimulating hormone primary response protein) (FSH primary response protein 1) (Leucine-rich primary response protein 1)		14.4403	-20.26	0.002075	171	10	1	28 [+]
CENPI	Centromere protein I (CENP-I) (Interphase centromere complex protein 19) (Follicle-stimulating hormone primary response protein) (FSH primary response protein 1) (Leucine-rich primary response protein 1)		14.9553	-20.27	0.002116	646	23	1	32 [+]

CENPL	Centromere protein L (CENP-L) (Interphase centromere complex protein 33)		15.0944	-17.99	0.002129	839	13	1	18 [+]
CHRNB3	Neuronal acetylcholine receptor subunit beta-3 precursor		14.4273	-13.61	0.002129	399	18	7	39 [+]
CHRND	Acetylcholine receptor subunit delta precursor		14.4264	-13.88	0.002133	745	17	6	25 [+]
CIDEA	Cell death activator CIDE-A (Cell death-inducing DFFA-like effector A)		14.948	-20.27	0.002145	649	27	6	51 [+]
CKB	Creatine kinase B-type (EC 2.7.3.2) (Creatine kinase B chain) (B-CK)		15.0904	-17.99	0.002145	841	19	3	28 [+]
CLASP1	CLIP-associating protein 1 (Cytoplasmic linker-associated protein 1) (Multiple asters homolog 1) (hOrbit1)		14.4199	-18.6	0.002161	1534	13	5	15 [+]
CLEC2D	Osteoclast inhibitory lectin isoform 1		14.9444	-19.63	0.002203	1000	8	1	8 [+]
CLLU1OS	Chronic lymphocytic leukem+C235ia up-regulated 1 opposite strand		14.4017	-16.05	0.002241	1000	20	5	28 [+]
CLOCK	Circadian locomoter output cycles protein kaput (hCLOCK)		16.0322	-13.23	0.002243	267	14	1	36 [+]
CMTM1	CKLF-like MARVEL transmembrane domain-containing protein 1 (Chemokine-like factor superfamily member 1)		15.3344	-17.98	0.002258	1000	13	2	13 [+]
CNOT4	CCR4-NOT transcription complex subunit 4 (EC 6.3.2.-) (E3 ubiquitin protein ligase CNOT4) (CCR4-associated factor 4) (Potential transcriptional repressor NOT4Hp)		17.6361	-17.58	0.002336	334	18	1	53 [+]
CNOT4	CCR4-NOT transcription complex subunit 4 (EC 6.3.2.-) (E3 ubiquitin protein ligase CNOT4) (CCR4-associated factor 4) (Potential transcriptional repressor NOT4Hp)		14.2949	-16.8	0.002339	434	23	5	84 [+]
COG6	Conserved oligomeric Golgi complex component 6		15.7854	-20.25	0.002371	1164	17	6	17 [+]

COL9A2	Collagen alpha-2(IX) chain precursor		14.3697	-12.97	0.002388	586	14	1	22 [+]
COL9A2	Collagen alpha-2(IX) chain precursor		15.1225	-11.02	0.002392	286	18	5	53 [+]
COX7A2	Cytochrome c oxidase polypeptide VIIa-liver/heart, mitochondrial precursor (EC 1.9.3.1) (Cytochrome c oxidase subunit VIIa-L) (VIIaL)		16.0322	-12.9	0.00246	244	15	4	57 [+]
COX7A2	Cytochrome c oxidase polypeptide VIIa-liver/heart, mitochondrial precursor (EC 1.9.3.1) (Cytochrome c oxidase subunit VIIa-L) (VIIaL)		14.3502	-19.08	0.002482	841	24	7	33 [+]
COX7A2	Cytochrome c oxidase polypeptide VIIa-liver/heart, mitochondrial precursor (EC 1.9.3.1) (Cytochrome c oxidase subunit VIIa-L) (VIIaL)		14.7937	-15.43	0.002498	1189	10	1	8 [+]
COX8A	Cytochrome c oxidase polypeptide VIII-liver/heart, mitochondrial precursor (EC 1.9.3.1) (Cytochrome c oxidase subunit 8-2)		14.3679	-14.37	0.002512	659	17	5	31 [+]
CPNE2	Copine-2 (Copine II)		14.0417	-18.67	0.002518	1663	6	3	7 [+]
CPXM2	Carboxypeptidase-like protein X2 precursor		14.337	-15.91	0.002548	499	17	1	33 [+]
CREB3L4	cAMP responsive element binding protein 3-like 4		15.5878	-20.57	0.002571	644	12	1	14 [+]
CRLS1	Cardiolipin synthetase (EC 2.7.8.-) (Cardiolipin synthase) (CLS) (Protein GCD10 homolog)		17.5357	-21.68	0.002597	981	13	1	15 [+]
CRSP9	Cofactor required for Sp1 transcriptional activation subunit 9 (Transcriptional coactivator CRSP33) (RNA polymerase transcriptional regulation mediator subunit 7 homolog) (hMED7) (Activator-recruited cofactor 34 kDa component) (ARC34)		15.1225	-12.74	0.002601	163	9	1	29 [+]
CRTAC1	Cartilage acidic protein 1 precursor (68 kDa chondrocyte-expressed protein) (CEP-68) (ASPIC)		14.4714	-15.98	0.002628	1000	10	1	12 [+]

CSAG2	Melanoma-associated antigen 12 (MAGE-12 antigen) (MAGE12F)		15.1807	-19.06	0.002628	1071	9	1	12 [+]
CSAG2	Melanoma-associated antigen 12 (MAGE-12 antigen) (MAGE12F)		14.7527	-10.54	0.002646	374	22	6	64 [+]
CSNK1G1	Casein kinase I isoform gamma-1 (EC 2.7.11.1) (CKI-gamma 1)		17.5103	-14.01	0.002668	157	9	7	26 [+]
CTAG1A	Cancer/testis antigen 1B (L antigen family member 2) (LAGE-2 protein) (Autoimmunogenic cancer/testis antigen NY-ESO-1)		17.5103	-17.97	0.002668	198	11	1	37 [+]
CTAG1B	Cancer/testis antigen 1B (L antigen family member 2) (LAGE-2 protein) (Autoimmunogenic cancer/testis antigen NY-ESO-1)		14.0347	-15.15	0.002674	899	19	4	30 [+]
CTAG2	Cancer/testis antigen 2 (L antigen family member 1) (LAGE-1 protein) (ESO-2 protein)		15.5773	-10.69	0.002692	250	15	4	55 [+]
CTAG2	Cancer/testis antigen 2 (L antigen family member 1) (LAGE-1 protein) (ESO-2 protein)		15.1381	-18.31	0.002702	1043	9	1	10 [+]
CTSZ	Cathepsin Z precursor (EC 3.4.22.-) (Cathepsin X) (Cathepsin P)		14.9084	-16.25	0.002721	364	18	5	51 [+]
CXCR6	C-X-C chemokine receptor type 6 (CXC-R6) (CXCR-6) (G-protein coupled receptor bonzo) (G-protein coupled receptor STRL33) (CD186 antigen) (CDw186)		15.1018	-15.63	0.002732	1000	12	1	13 [+]
CXXC5	CXXC finger 5		15.0145	-20.16	0.002744	812	18	1	19 [+]
CYP3A4	Cytochrome P450 3A4 (EC 1.14.13.67) (Quinine 3-monooxygenase) (CYPIIIA4) (Nifedipine oxidase) (Taurochenodeoxycholate 6-alpha-hydroxylase) (EC 1.14.13.97) (NF-25) (P450-PCN1)		15.5773	-14.37	0.002788	314	13	1	32 [+]

CYP4A11	Cytochrome P450 4A11 precursor (EC 1.14.15.3) (CYPIVA11) (Fatty acid omega-hydroxylase) (P-450 HK omega) (Lauric acid omega-hydroxylase) (CYP4AII) (P450-HL-omega)		14.8951	-15.78	0.002788	270	13	1	40 [+]
CYP4X1	Cytochrome P450 4X1 (EC 1.14.14.1) (CYPIVX1)		14.3877	-12.93	0.002812	1000	15	5	18 [+]
CYP4X1	Cytochrome P450 4X1 (EC 1.14.14.1) (CYPIVX1)		14.7011	-16.17	0.002813	725	24	3	28 [+]
DAOA	D-amino acid oxidase activator (Protein G72)		17.4541	-22.55	0.00283	1567	3	1	4 [+]
DARS2	Aspartyl-tRNA synthetase, mitochondrial precursor (EC 6.1.1.12) (Aspartate--tRNA ligase) (AspRS)		14.0992	-15.03	0.00284	212	11	6	41 [+]
DARS2	Aspartyl-tRNA synthetase, mitochondrial precursor (EC 6.1.1.12) (Aspartate--tRNA ligase) (AspRS)		15.2221	-15.88	0.00285	323	17	1	43 [+]
DAXX	Death domain-associated protein 6 (Daxx) (hDaxx) (Fas death domain- associated protein) (ETS1-associated protein 1) (EAP1)		17.4454	-22.55	0.002856	1575	9	8	11 [+]
DAXX	Death domain-associated protein 6 (Daxx) (hDaxx) (Fas death domain- associated protein) (ETS1-associated protein 1) (EAP1)		15.1829	-16.84	0.002864	1000	16	1	14 [+]
DDB2	DNA damage-binding protein 2 (Damage-specific DNA-binding protein 2) (DDB p48 subunit) (DDBb) (UV-damaged DNA-binding protein 2) (UV-DDB 2)		16.2092	-15.62	0.002923	371	18	2	63 [+]
DDEFL1	Development and differentiation-enhancing factor-like 1 (Protein up- regulated in liver cancer 1)		15.6609	-16.07	0.002942	1605	7	3	7 [+]

DDOST	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit precursor (EC 2.4.1.119) (Oligosaccharyl transferase 48 kDa subunit) (DDOST 48 kDa subunit)		14.8228	-17.2	0.002959	335	16	1	58 [+]
DEFA4	Neutrophil defensin 4 precursor (HNP-4) (HP-4) (Defensin, alpha 4)		15.3843	-18.64	0.002959	335	18	1	49 [+]
DEFA4	Neutrophil defensin 4 precursor (HNP-4) (HP-4) (Defensin, alpha 4)		14.5562	-17.88	0.002968	556	15	1	17 [+]
DEFB128	Beta-defensin 128 precursor (Defensin, beta 128) (Beta-defensin 28) (DEFB-28)		15.1216	-20.38	0.002984	1000	14	3	17 [+]
DENND1C	DENN/MADD domain containing 1C		14.2566	-18.01	0.002987	336	17	1	50 [+]
DGAT2L3	Acyl-CoA wax alcohol acyltransferase 1 (EC 2.3.1.75) (Long-chain- alcohol O-fatty-acyltransferase 1) (Diacylglycerol O-acyltransferase 2-like protein 3) (Diacyl-glycerol acyltransferase 2)		14.0459	-17.14	0.002989	1000	15	8	21 [+]
DGKH	Diacylglycerol kinase eta (EC 2.7.1.107) (Diglyceride kinase eta) (DGK-eta) (DAG kinase eta)		14.2562	-10.24	0.002989	727	20	1	30 [+]
DHDDS	Dehydrodolichyl diphosphate synthase (EC 2.5.1.-) (Dedol-PP synthase)		14.7018	-12.83	0.003001	1000	16	2	17 [+]
DHRS1	Dehydrogenase/reductase SDR family member 1 (EC 1.1.-.-)		15.0219	-14.01	0.003025	579	23	4	54 [+]
DLEU7	Leukemia-associated protein 7 (Deleted in lymphocytic leukemia 7)		14.3968	-18.04	0.00303	501	21	5	50 [+]
DLL3	Delta-like protein 3 precursor (Drosophila Delta homolog 3)		14.879	-12.37	0.003063	1133	19	8	22 [+]
DMXL2	Protein DmX-like 2 (Rabconnectin-3)		14.7524	-15.87	0.003075	535	21	5	41 [+]
DNAH11	Ciliary dynein heavy chain 11 (Axonemal beta dynein heavy chain 11)		15.2751	-18.97	0.003079	1160	16	5	23 [+]
DNAH2	dynein heavy chain domain 3		15.7058	-18.97	0.003084	957	7	6	10 [+]
DNAH8	Ciliary dynein heavy chain 8 (Axonemal beta dynein heavy chain 8)		15.2154	-10.79	0.00315	481	19	8	46 [+]

DPYD	Dihydropyrimidine dehydrogenase [NADP+] precursor (EC 1.3.1.2) (DPD) (DHPDHase) (Dihydrouracil dehydrogenase) (Dihydrothymine dehydrogenase)		15.0539	-15.21	0.003158	782	22	4	27 [+]
DTD1	Probable D-tyrosyl-tRNA(Tyr) deacylase 1 (EC 3.1.-.-)		14.1921	-11.41	0.003163	534	20	5	35 [+]
DUSP23	Dual specificity protein phosphatase 23 (EC 3.1.3.48) (EC 3.1.3.16) (Low molecular mass dual specificity phosphatase 3) (LDP-3) (VH1-like phosphatase Z)		14.3263	-12.93	0.003172	1000	9	1	10 [+]
DYDC1	DPY30 domain-containing protein 1		14.563	-19.16	0.003201	1110	17	4	20 [+]
DYNC2H1	dynein, cytoplasmic, heavy polypeptide 2		17.3343	-17.58	0.003211	390	20	1	47 [+]
DYNLT1	Dynein light chain Tctex-type 1 (T-complex testis-specific protein 1 homolog) (Protein CW-1)		15.0649	-14.51	0.003238	959	13	1	12 [+]
EDA	Ectodysplasin-A (Ectodermal dysplasia protein) (EDA protein) [Contains: Ectodysplasin-A, membrane form; Ectodysplasin-A, secreted form]		14.554	-9.21	0.003242	229	11	4	48 [+]
EDG6	Sphingosine 1-phosphate receptor Edg-6 (S1P receptor Edg-6) (Endothelial differentiation G-protein coupled receptor 6) (Sphingosine 1-phosphate receptor 4) (S1P4)		15.2641	-14.6	0.003247	1000	10	1	11 [+]
EEFSEC	Selenocysteine-specific elongation factor (Elongation factor sec) (Eukaryotic elongation factor, selenocysteine-tRNA-specific)		14.2129	-14.92	0.003255	184	10	3	39 [+]
EFNA4	Ephrin-A4 precursor (EPH-related receptor tyrosine kinase ligand 4) (LERK-4)		14.2129	-16.78	0.003255	270	14	7	62 [+]

EHMT2	Histone-lysine N-methyltransferase, H3 lysine-9 specific 3 (EC 2.1.1.43) (Histone H3-K9 methyltransferase 3) (H3-K9-HMTase 3) (Euchromatic histone-lysine N-methyltransferase 2) (HLA-B-associated transcript 8) (Protein G9a)		14.2129	-5.57	0.003255	219	11	1	31 [+]
EHMT2	Histone-lysine N-methyltransferase, H3 lysine-9 specific 3 (EC 2.1.1.43) (Histone H3-K9 methyltransferase 3) (H3-K9-HMTase 3) (Euchromatic histone-lysine N-methyltransferase 2) (HLA-B-associated transcript 8) (Protein G9a)		14.2129	-17.05	0.003255	146	7	5	24 [+]
EIF2S1	Eukaryotic translation initiation factor 2 subunit 1 (Eukaryotic translation initiation factor 2 subunit alpha) (eIF-2-alpha) (EIF-2alpha) (EIF-2A)		14.2098	-10.67	0.003275	346	20	1	55 [+]
EMG1	Probable ribosome biogenesis protein NEP1 (Nucleolar protein EMG1 homolog) (Protein C2f)		14.2094	-14.74	0.003277	1000	11	1	13 [+]
EML5	Echinoderm microtubule-associated protein-like 5 (EMAP-5)		17.3132	-22.55	0.003283	1723	3	1	3 [+]
ENPP1	Ectonucleotide pyrophosphatase/phosphodiesterase family member 1 (E- NPP 1) (Phosphodiesterase I/nucleotide pyrophosphatase 1) (Plasma-cell membrane glycoprotein PC-1) [Includes: Alkaline phosphodiesterase I (EC 3.1.4.1); Nucleotide pyrophosphatase (EC 3		14.2079	-14.79	0.003287	1000	16	4	20 [+]
ERCC5	DNA-repair protein complementing XP-G cells (Xeroderma pigmentosum group G-complementing protein) (DNA excision repair protein ERCC-5)		15.2362	-14.61	0.003289	189	9	7	29 [+]

ERCC5	DNA-repair protein complementing XP-G cells (Xeroderma pigmentosum group G-complementing protein) (DNA excision repair protein ERCC-5)		15.2616	-14.47	0.003351	790	22	3	28 [+]
ERCC5	DNA-repair protein complementing XP-G cells (Xeroderma pigmentosum group G-complementing protein) (DNA excision repair protein ERCC-5)		15.761	-14.78	0.003393	349	19	5	58 [+]
ERCC5	DNA-repair protein complementing XP-G cells (Xeroderma pigmentosum group G-complementing protein) (DNA excision repair protein ERCC-5)		14.5294	-8.19	0.003404	401	19	2	41 [+]
ERP29	Endoplasmic reticulum protein ERp29 precursor (ERp31) (ERp28)		16.9312	-16.07	0.003406	320	13	1	47 [+]
ESR2	Estrogen receptor beta (ER-beta)		14.2718	-10.54	0.003413	583	18	1	29 [+]
ESR2	Estrogen receptor beta (ER-beta)		17.276	-26.36	0.003415	603	18	1	28 [+]
EXOD1	Exonuclease domain containing 1		15.0112	-17.81	0.003417	418	21	1	52 [+]
EXOD1	Exonuclease domain containing 1		14.8835	-11.14	0.003424	553	21	7	29 [+]
EXOSC1	3'-5' Exoribonuclease CSL4 homolog (EC 3.1.13.-) (Exosome component 1)		14.1865	-14.74	0.003428	1000	12	1	12 [+]
EXOSC1	3'-5' Exoribonuclease CSL4 homolog (EC 3.1.13.-) (Exosome component 1)		14.1862	-11.2	0.00343	305	17	5	52 [+]
FAM105A	Protein FAM105A		14.8951	-9.58	0.003432	269	16	10	65 [+]
FAM120A	UPF0318 protein FAM120A		14.185	-19.92	0.003438	943	7	1	8 [+]
FAM120A	UPF0318 protein FAM120A		15.114	-17.36	0.003441	1000	18	8	22 [+]
FAM120A	UPF0318 protein FAM120A		14.9304	-27.64	0.003444	1000	10	1	12 [+]
FAM3D	Protein FAM3D precursor		14.1824	-10.62	0.003455	719	19	1	20 [+]
FAM46D	Protein FAM46D		14.5849	-13.21	0.00346	718	19	3	28 [+]
FAM55C	family with sequence similarity 55, member C (FAM55C), mRNA		15.4636	-11.46	0.003461	133	8	4	28 [+]
FAM70B	Protein FAM70B		14.5017	-18.02	0.003487	1000	17	7	21 [+]
FAM80B	Ribosomal protein S6 modification-like protein B		14.6047	-13.01	0.003501	1372	17	4	24 [+]

FAM83F	family with sequence similarity 83, member F (FAM83F), mRNA		16.9075	-16.07	0.003538	324	13	1	34 [+]
FAM84B	Protein FAM84B (Protein NSE2) (Breast cancer membrane protein 101)		15.4717	-14.9	0.003545	608	13	1	16 [+]
FAM96A	Protein FAM96A		17.2369	-18.52	0.003558	435	15	1	26 [+]
FAT	Cadherin-related tumor suppressor homolog precursor (Protein fat homolog)		17.2351	-31.39	0.003558	734	11	1	19 [+]
FBF1	Fas (TNFRSF6) binding factor 1		14.1669	-16.78	0.003562	1000	10	1	10 [+]
FBLN1	Fibulin-1 precursor		17.1692	-20.15	0.00359	66	4	2	7 [+]
FBP2	Fructose-1,6-bisphosphatase isozyme 2 (EC 3.1.3.11) (D-fructose-1,6- bisphosphate 1-phosphohydrolase 2) (FBPase 2)		14.5017	-25.37	0.003596	1000	19	1	19 [+]
FBXL18	F-box/LRR-repeat protein 18 (F-box and leucine-rich repeat protein 18)		14.1602	-10.67	0.003609	357	19	1	51 [+]
FBXO2	F-box only protein 2		17.2187	-20.59	0.003627	310	17	3	62 [+]
FBXO2	F-box only protein 2		14.7018	-15.7	0.003628	1000	10	1	10 [+]
FBXO24	F-box only protein 24		16.9418	-12.59	0.003634	282	16	5	44 [+]
FERD3L	Nephew of atonal 3		14.3533	-14.49	0.003634	1201	12	1	11 [+]
FGG	Fibrinogen gamma chain precursor		16.3573	-19.13	0.003641	825	18	3	28 [+]
FKBP1A	FK506-binding protein 1A (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (12 kDa FKBP) (FKBP-12) (Immunophilin FKBP12)		14.155	-17.21	0.003646	726	20	5	33 [+]
FKBP1A	FK506-binding protein 1A (EC 5.2.1.8) (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (12 kDa FKBP) (FKBP-12) (Immunophilin FKBP12)		17.1997	-22.05	0.0037	395	15	1	39 [+]
FMO1	Dimethylaniline monooxygenase [N-oxide-forming] 1 (EC 1.14.13.8) (Fetal hepatic flavin-containing monooxygenase 1) (FMO 1) (Dimethylaniline oxidase 1)		16.8784	-16.07	0.003707	329	14	1	46 [+]

FMO1	Dimethylaniline monooxygenase [N-oxide-forming] 1 (EC 1.14.13.8) (Fetal hepatic flavin-containing monooxygenase 1) (FMO 1) (Dimethylaniline oxidase 1)		16.8784	-16.07	0.003707	329	14	1	45 [+]
FOXA3	Hepatocyte nuclear factor 3-gamma (HNF-3G) (Forkhead box protein A3) (Fork head-related protein FKH H3)		17.1937	-18.1	0.003723	314	15	8	62 [+]
FOXE1	Forkhead box protein E1 (Thyroid transcription factor 2) (TTF-2) (Forkhead-related protein FKHL15)		14.1432	-13.55	0.003731	592	15	1	24 [+]
FOXE1	Forkhead box protein E1 (Thyroid transcription factor 2) (TTF-2) (Forkhead-related protein FKHL15)		15.7337	-13.19	0.003735	1000	19	3	23 [+]
FREM1	FRAS1-related extracellular matrix protein 1 precursor (Protein QBRICK)		14.134	-22.5	0.003799	376	15	2	51 [+]
FRMD3	FERM domain containing 3		16.8612	-16.07	0.00381	332	14	1	46 [+]
FRMPD2	FERM and PDZ domain containing 2 isoform 3		16.8612	-16.07	0.00381	332	14	1	46 [+]
FRMPD2	FERM and PDZ domain containing 2 isoform 3		15.6351	-18.97	0.003816	1000	3	1	4 [+]
FRY	Protein furry homolog		15.0792	-19.67	0.003816	1000	12	1	12 [+]
FTSJ1	Putative ribosomal RNA methyltransferase 1 (EC 2.1.1.-) (rRNA (uridine-2'-O-)-methyltransferase)		14.7374	-14	0.003817	530	20	1	30 [+]
FUBP1	Far upstream element-binding protein 1 (FUSE-binding protein 1) (FBP) (DNA helicase V) (HDH V)		17.1692	-20.15	0.003821	171	9	2	23 [+]
FUS	RNA-binding protein FUS (Oncogene FUS) (Oncogene TLS) (Translocated in liposarcoma protein) (POMp75) (75 kDa DNA-pairing protein)		17.1692	-16.71	0.003821	240	14	3	48 [+]

GABBR1	γ-Aminobutyric acid type B receptor, subunit 1 precursor (GABA-B receptor 1) (GABA-B-R1) (Gb1)		17.1691	-14.87	0.003821	318	13	1	26 [+]
GALNTL4	Putative polypeptide N-acetylgalactosaminyltransferase-like protein 4 (EC 2.4.1.41) (Protein-UDP acetylgalactosaminyltransferase-like protein 4) (UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase- like protein 4) (Polypeptide GalNAc transferase-lik		14.2466	-10.84	0.003832	1000	13	2	20 [+]
GAPDHS	Glyceraldehyde-3-phosphate dehydrogenase, testis-specific (EC 1.2.1.12) (Spermatogenic cell-specific glyceraldehyde 3-phosphate dehydrogenase 2) (GAPDH-2)		14.2706	-19.26	0.003848	466	15	1	41 [+]
GCNT3	glucosaminyl (N-acetyl) transferase 3, mucin type		14.1886	-19.22	0.003848	1391	12	6	11 [+]
GDF9	Growth/differentiation factor 9 precursor (GDF-9)		15.0337	-9.84	0.003851	327	18	5	74 [+]
GEMIN5	Gem-associated protein 5 (Gemin5)		14.1268	-14.1	0.003852	484	18	1	34 [+]
GHITM	Growth hormone-inducible transmembrane protein (Dermal papilla-derived protein 2) (Transmembrane BAX inhibitor motif-containing protein 5)		14.1259	-16.49	0.003859	1000	8	1	8 [+]
GHITM	Growth hormone-inducible transmembrane protein (Dermal papilla-derived protein 2) (Transmembrane BAX inhibitor motif-containing protein 5)		14.1245	-16.7	0.00387	1000	8	1	7 [+]
GHITM	Growth hormone-inducible transmembrane protein (Dermal papilla-derived protein 2) (Transmembrane BAX inhibitor motif-containing protein 5)		14.3	-17.73	0.003883	2532	8	3	7 [+]

GHITM	Growth hormone-inducible transmembrane protein (Dermal papilla-derived protein 2) (Transmembrane BAX inhibitor motif-containing protein 5)		17.1527	-15.75	0.003888	442	17	1	35 [+]
GIPC1	PDZ domain-containing protein GIPC1 (RGS19-interacting protein 1) (GAIP C-terminus-interacting protein) (RGS-GAIP-interacting protein) (Tax interaction protein 2) (TIP-2)		14.1216	-16.49	0.003892	1000	8	1	8 [+]
GJA12	Gap junction alpha-12 protein (Connexin-47) (Cx47) (Connexin-46.6) (Cx46.6)		14.1215	-16.77	0.003892	1432	6	2	10 [+]
GLIPR1L2	GLI pathogenesis-related 1 like 2		14.8302	-12.83	0.003907	572	21	2	39 [+]
GMNN	Geminin		14.8202	-23.25	0.003972	384	21	5	74 [+]
GNA15	Guanine nucleotide-binding protein alpha-15 subunit (G alpha-15) (G alpha-16)		14.4808	-14.29	0.003975	1493	9	4	10 [+]
GNPAT	Dihydroxyacetone phosphate acyltransferase (EC 2.3.1.42) (DHAP-AT) (DAP-AT) (Glycerone-phosphate O-acyltransferase) (Acyl-CoA:dihydroxyacetonephosphateacyltransferase)		14.6011	-13.49	0.004	471	18	1	27 [+]
GOLT1A	Vesicle transport protein GOT1A (Golgi transport 1 homolog A) (hGOT1b)		14.2017	-17	0.004021	1000	19	6	29 [+]
GPR110	Probable G-protein coupled receptor 110 precursor (G-protein coupled receptor PGR19) (G-protein coupled receptor KPG_012)		14.6018	-19.59	0.004024	1000	14	5	21 [+]
GPR142	Probable G-protein coupled receptor 142 (G-protein coupled receptor PGR2)		14.8273	-22.6	0.00403	1629	6	3	6 [+]
GPR174	Probable G-protein coupled receptor 174		14.3454	-14.39	0.004037	1000	14	1	12 [+]
GPR62	Probable G-protein coupled receptor 62 (hGPCR8)		14.8873	-27.33	0.004045	2440	6	1	5 [+]

GPR89B	Protein GPR89A (Putative MAPK-activating protein PM01) (Putative NF-kappa-B-activating protein 90)		17.115	-23.83	0.004045	438	20	4	44 [+]
GRIN2A	Glutamate [NMDA] receptor subunit epsilon-1 precursor (N-methyl D- aspartate receptor subtype 2A) (NR2A) (NMDAR2A) (hNR2A)		14.1017	-21.07	0.004046	1000	9	1	9 [+]
GRTP1	growth hormone regulated TBC protein 1		14.1017	-21.78	0.004046	1000	10	1	11 [+]
GTF2E1	Transcription initiation factor IIE subunit alpha (TFIIE-alpha) (General transcription factor IIE subunit 1) (General transcription factor IIE 56 kDa subunit)		14.1017	-21.78	0.004046	1000	10	1	11 [+]
GTPBP4	Nucleolar GTP-binding protein 1 (Chronic renal failure gene protein) (GTP-binding protein NGB)		14.1017	-17.96	0.004046	1000	18	4	20 [+]
GTPBP8	GTP-binding protein 8 isoform 2		14.1017	-21.78	0.004046	1000	10	1	11 [+]
GUCA1A	Guanylyl cyclase-activating protein 1 (GCAP 1) (Guanylate cyclase activator 1A)		15.7019	-22.24	0.004046	1000	11	1	12 [+]
GUCA1A	Guanylyl cyclase-activating protein 1 (GCAP 1) (Guanylate cyclase activator 1A)		14.1017	-21.78	0.004046	1000	11	1	12 [+]
GUK1	Guanylate kinase (EC 2.7.4.8) (GMP kinase)		14.8806	-11.11	0.004054	564	20	3	46 [+]
GYG2	Glycogenin-2 (EC 2.4.1.186) (GN-2) (GN2)		14.3266	-12.06	0.004065	262	11	1	29 [+]
GYG2	Glycogenin-2 (EC 2.4.1.186) (GN-2) (GN2)		14.3266	-11.19	0.004065	297	17	1	58 [+]
GYG2	Glycogenin-2 (EC 2.4.1.186) (GN-2) (GN2)		14.3266	-12.06	0.004065	264	11	2	30 [+]
H33_HUMAN	Histone H3.3		14.0982	-17.29	0.004073	655	22	6	44 [+]
H3F3A	Histone H3.3		14.5401	-20.14	0.004082	1000	14	1	15 [+]
H3F3A	Histone H3.3		14.9861	-8.82	0.004113	325	19	6	60 [+]
HACL1	2-hydroxyacyl-CoA lyase 1 (EC 4.1.-.-) (2-hydroxyphytanoyl-CoA lyase) (2-HPCL)		15.5027	-19.37	0.00416	1000	11	2	14 [+]

HBP1	HMG box-containing protein 1 (HMG box transcription factor 1) (High mobility group box transcription factor 1)		14.618	-24.12	0.004166	708	19	4	27 [+]
hCG_2040201	NOT ANNOTATED		14.3314	-17.63	0.004184	601	15	1	26 [+]
HEPH	Hephaestin precursor (EC 1.-.-.-)		14.425	-17.57	0.004195	1000	20	4	30 [+]
HEPH	Hephaestin precursor (EC 1.-.-.-)		14.425	-17.57	0.004195	1000	16	1	21 [+]
HERC2P2	IRX1 protein		15.0017	-20.12	0.004199	766	13	1	15 [+]
HIF3A	Hypoxia-inducible factor 3 alpha (HIF-3 alpha) (HIF3 alpha 1) (Member of PAS protein 7) (Basic-helix-loop-helix-PAS protein MOP7) (Inhibitory PAS domain protein) (IPAS)		14.4206	-16.1	0.004221	1000	23	2	38 [+]
HIST1H1T	Histone H1t (Testicular H1 histone)		14.8951	-17.67	0.004229	212	11	3	35 [+]
HLA-B	HLA class I histocompatibility antigen, B-7 alpha chain precursor (MHC class I antigen B*7)		15.0088	-17.12	0.004229	103	6	2	15 [+]
HLA-C	HLA class I histocompatibility antigen, Cw-7 alpha chain precursor (MHC class I antigen Cw*7)		14.554	-14.12	0.004229	222	14	5	47 [+]
HLA-C	HLA class I histocompatibility antigen, Cw-7 alpha chain precursor (MHC class I antigen Cw*7)		15.2267	-11.26	0.00424	344	19	2	31 [+]
HLA-DMB	major histocompatibility complex, class II, DM beta (HLA-DMB), mRNA		14.6221	-15.62	0.004242	952	11	1	13 [+]
HLA-G	HLA class I histocompatibility antigen, alpha chain G precursor (HLA G antigen)		14.0739	-10.34	0.004271	1000	17	2	24 [+]
HLA-J	MHC class I HLA-J antigen (Fragment)		14.0818	-14.71	0.004293	1586	7	9	8 [+]
HLA-J	MHC class I HLA-J antigen (Fragment)		17.0555	-17.57	0.004297	236	13	1	36 [+]
HLA-J	MHC class I HLA-J antigen (Fragment)		17.0555	-19.29	0.004307	119	5	1	14 [+]
HMGB2	High mobility group protein B2 (High mobility group protein 2) (HMG- 2)		17.0555	-14.24	0.004307	161	9	1	28 [+]

HNRPA0	Heterogeneous nuclear ribonucleoprotein A0 (hnRNP A0)		14.6125	-15.62	0.004317	958	12	2	15 [+]
HNRPK	Heterogeneous nuclear ribonucleoprotein K (hnRNP K) (Transformation up-regulated nuclear protein) (TUNP)		14.738	-16.25	0.00433	567	18	1	30 [+]
HOXA10	Homeobox protein Hox-A10 (Hox-1H) (Hox-1.8) (PL)		15.3287	-13.88	0.004338	359	16	1	54 [+]
HOXA9	Homeobox protein Hox-A9 (Hox-1G)		14.4029	-19.76	0.004348	1156	14	2	14 [+]
HOXA9	Homeobox protein Hox-A9 (Hox-1G)		14.0635	-16.79	0.004358	1000	20	6	28 [+]
HRBL	HIV-1 Rev-binding protein-like protein (Rev/Rex activation domain- binding protein related) (RAB-R)		14.7018	-24.27	0.00438	1000	13	2	12 [+]
HRK	Activator of apoptosis harakiri (Neuronal death protein DP5) (BH3- interacting domain protein 3)		14.5784	-13.44	0.004399	621	22	3	46 [+]
HS3ST2	Heparan sulfate glucosamine 3-O-sulfotransferase 2 (EC 2.8.2.29) (Heparan sulfate D-glucosaminyl 3-O-sulfotransferase 2) (Heparan sulfate 3-O-sulfotransferase 2) (h3-OST-2)		14.9036	-21.73	0.004405	1000	14	2	18 [+]
HSFY1	Heat shock transcription factor, Y-linked (Heat shock transcription factor 2-like protein) (HSF2-like)		14.188	-12.7	0.004494	1000	15	1	15 [+]
HSP77_HUMAN	Heat shock 70 kDa protein 7 (Heat shock 70 kDa protein B) (Fragment)		14.9101	-17.88	0.004509	665	26	6	38 [+]
HSP90AA1	Heat shock protein HSP 90-alpha (HSP 86) (Renal carcinoma antigen NY- REN-38)		15.5522	-21.11	0.004518	1101	10	1	10 [+]
HSPA4L	Heat shock 70 kDa protein 4L (Osmotic stress protein 94) (Heat shock 70-related protein APG-1)		16.6007	-14.49	0.004536	115	7	7	36 [+]

HUWE1	E3 ubiquitin-protein ligase HUWE1 (EC 6.3.2.-) (HECT, UBA and WWE domain-containing protein 1) (URE-B1) (Mcl-1 ubiquitin ligase E3) (Mule) (ARF-binding protein 1) (ARF-BP1)		17.0059	-15.99	0.004537	438	20	5	43 [+]
HYI	hydroxypyruvate isomerase homolog		14.0401	-17.45	0.00456	1000	9	1	11 [+]
HYI	hydroxypyruvate isomerase homolog		15.4441	-24.57	0.00456	1000	10	2	12 [+]
IARS2	Isoleucyl-tRNA synthetase, mitochondrial precursor (EC 6.1.1.5) (Isoleucine--tRNA ligase) (IleRS)		14.9518	-15.33	0.004591	855	17	5	33 [+]
IER3	Radiation-inducible immediate-early gene IEX-1 (Immediate early protein GLY96) (Immediate early response 3 protein) (PACAP-responsive gene 1 protein) (Protein PRG1) (Differentiation-dependent gene 2 protein) (Protein DIF-2)		14.3775	-10.13	0.004595	670	12	1	16 [+]
IFLTD1	intermediate filament tail domain containing 1		15.3694	-17.74	0.004599	957	12	7	19 [+]
IGFBPL1	insulin-like growth factor binding protein-like 1		14.0285	-15.6	0.004663	1215	12	1	12 [+]
IGLV3-25	Immunoglobulin Lambda light chain V gene segment		15.8884	-16.8	0.004695	445	22	4	52 [+]
IGLV3-32	Immunoglobulin Lambda light chain V gene segment		16.1459	-12.46	0.004744	129	8	2	38 [+]
IHPK2	Inositol hexakisphosphate kinase 2 (EC 2.7.4.21) (InsP6 kinase 2) (P(i)-uptake stimulator) (PiUS)		16.9418	-20.4	0.004854	190	10	5	37 [+]
IKBKG	NF-κB essential modulator (NEMO) (NF-kappa-B essential modifier) (Inhibitor of nuclear factor kappa-B kinase subunit gamma) (IkB kinase subunit gamma) (I-kappa-B kinase gamma) (IKK-gamma) (IKKG) (IkB kinase-associated protein 1) (IKKAP1) (FIP-3)		14.6406	-17.71	0.004858	770	19	3	31 [+]

IKBKG	NF-κB essential modulator (NEMO) (NF-kappa-B essential modifier) (Inhibitor of nuclear factor kappa-B kinase subunit gamma) (IkB kinase subunit gamma) (I-kappa-B kinase gamma) (IKK-gamma) (IKKG) (IkB kinase-associated protein 1) (IKKAP1) (FIP-3)		16.6072	-23.54	0.004914	654	23	6	33 [+]
IKBKG	NF-κB essential modulator (NEMO) (NF-kappa-B essential modifier) (Inhibitor of nuclear factor kappa-B kinase subunit gamma) (IkB kinase subunit gamma) (I-kappa-B kinase gamma) (IKK-gamma) (IKKG) (IkB kinase-associated protein 1) (IKKAP1) (FIP-3)		16.9277	-21.11	0.004927	791	9	1	14 [+]
IL11RA	Interleukin-11 receptor alpha chain precursor (IL-11R-alpha) (IL- 11RA)		14.4078	-14.44	0.004963	328	19	5	49 [+]
IL13RA1	Interleukin-13 receptor alpha-1 chain precursor (IL-13R-alpha-1) (IL- 13RA-1) (CD213a1 antigen)		14.3364	-14.86	0.00498	849	12	6	15 [+]
IL18BP	Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A (EC 3.1.4.17) (Cam-PDE 1A) (61 kDa Cam-PDE) (hCam-1)		14.554	-12.49	0.005014	122	6	5	18 [+]
IL18RAP	Interleukin-18 receptor accessory protein precursor (IL-18 receptor accessory protein) (IL-18RAcP) (Interleukin-18 receptor accessory protein-like) (IL-18Rbeta) (IL-1R accessory protein-like) (IL-1RAcPL) (Accessory protein-like) (AcPL) (IL-1R7) (CD218b an		16.9075	-16.07	0.005032	324	13	1	32 [+]
IL23A	Interleukin-23 subunit alpha precursor (IL-23 subunit alpha) (Interleukin-23 subunit p19) (IL-23p19)		16.9075	-16.07	0.005032	324	13	1	32 [+]

IL27	Interleukin 27		15.0018	-15.23	0.005034	1000	17	3	25 [+]
IL28RA	Interleukin-28 receptor alpha chain precursor (IL-28R-alpha) (IL-28RA) (Cytokine receptor family 2 member 12) (Cytokine receptor class-II member 12) (CRF2-12) (Interferon lambda receptor 1) (IFN-lambda R1) (Likely interleukin or cytokine receptor 2)		14.3291	-19.52	0.005052	1599	12	4	13 [+]
IL9R	Interleukin-9 receptor precursor (IL-9R) (CD129 antigen)		14.3266	-16.91	0.005077	124	7	7	45 [+]
IRF4	Interferon regulatory factor 4 (IRF-4) (Lymphocyte-specific interferon regulatory factor) (LSIRF) (NF-EM5) (Multiple myeloma oncogene 1)		14.4403	-15.74	0.00511	220	11	3	40 [+]
ISCA1	Iron-sulfur cluster assembly 1 homolog, mitochondrial precursor (HESB- like domain-containing protein 2) (Iron sulfur assembly protein IscA) (hIscA)		15.4636	-16.67	0.005203	63	4	5	17 [+]
ITGA11	Integrin alpha-11 precursor		16.6768	-26.9	0.005236	306	17	6	71 [+]
ITGB8	Integrin beta-8 precursor		16.8635	-15.14	0.005271	600	19	1	23 [+]
ITPA	Inosine triphosphate pyrophosphatase (EC 3.6.1.19) (ITPase) (Inosine triphosphatase) (Putative oncogene protein hlc14-06-p)		16.8605	-15.14	0.005288	601	19	2	26 [+]
IXL	intersex-like		14.3266	-15.22	0.005338	265	15	1	53 [+]
JAG2	Jagged-2 precursor (Jagged2) (HJ2)		14.6264	-16.95	0.005431	2742	2	2	3 [+]
JAK1	Tyrosine-protein kinase JAK1 (EC 2.7.10.2) (Janus kinase 1) (JAK-1)		16.8306	-29.44	0.005457	932	12	1	15 [+]
JAK1	Tyrosine-protein kinase JAK1 (EC 2.7.10.2) (Janus kinase 1) (JAK-1)		16.8281	-17.29	0.005471	142	5	1	8 [+]
KBTBD10	Kelch repeat and BTB domain-containing protein 10 (Kelch-related protein 1) (Kel-like protein 23) (Sarcosin)		16.8281	-18.41	0.005471	306	15	7	65 [+]

KCNC1	Potassium voltage-gated channel subfamily C member 1 (Voltage-gated potassium channel subunit Kv3.1) (Kv4) (NGK2)		16.8217	-14.92	0.005493	301	14	1	44 [+]
KCNH2	Potassium voltage-gated channel subfamily H member 2 (Voltage-gated potassium channel subunit Kv11.1) (Ether-a-go-go-related gene potassium channel 1) (H-ERG) (Erg1) (Ether-a-go-go-related protein 1) (Eag-related protein 1) (eag homolog)		14.8076	-26.59	0.005551	1000	26	4	29 [+]
KCNJ12	ATP-sensitive inward rectifier potassium channel 12 (Potassium channel, inwardly rectifying subfamily J member 12) (Inward rectifier K(+) channel Kir2.2) (Kir2.2v) (IRK2)		14.2933	-13.45	0.005785	1157	10	3	11 [+]
KCNN1	Small conductance calcium-activated potassium channel protein 1 (SK1)		16.062	-20.51	0.005899	1091	15	3	17 [+]
KDELR2	ER lumen protein retaining receptor 2 (KDEL receptor 2) (KDEL endoplasmic reticulum protein retention receptor 2) (ERD2-like protein 1) (ELP-1)		15.3018	-19.06	0.006015	1000	20	7	33 [+]
KDELR2	ER lumen protein retaining receptor 2 (KDEL receptor 2) (KDEL endoplasmic reticulum protein retention receptor 2) (ERD2-like protein 1) (ELP-1)		14.2129	-8.94	0.006042	291	16	4	64 [+]
KERA	Keratocan precursor (KTN) (Keratan sulfate proteoglycan keratocan)		16.7296	-15.16	0.00605	426	14	1	21 [+]
KHDRBS1	KH domain-containing, RNA-binding, signal transduction-associated protein 1 (p21 Ras GTPase-activating protein-associated p62) (GAP- associated tyrosine phosphoprotein p62) (Src-associated in mitosis 68 kDa protein) (Sam68) (p68)		16.7174	-25.93	0.006146	633	25	5	54 [+]

KHDRBS1	KH domain-containing, RNA-binding, signal transduction-associated protein 1 (p21 Ras GTPase-activating protein-associated p62) (GAP- associated tyrosine phosphoprotein p62) (Src-associated in mitosis 68 kDa protein) (Sam68) (p68)		14.2273	-11.83	0.006161	319	18	7	55 [+]
KIAA0040	Uncharacterized protein KIAA0040		15.1532	-10.92	0.00619	711	19	8	37 [+]
KIAA0090	Uncharacterized protein KIAA0090 precursor		14.2129	-15.39	0.006335	296	17	8	65 [+]
KIAA0368	Proteasome-associated protein ECM29 homolog (Ecm29)		16.6876	-20.5	0.006342	343	20	2	39 [+]
KIAA0528	Uncharacterized protein KIAA0528		16.6751	-23.54	0.006406	629	18	1	19 [+]
KIAA0907	KIAA0907 (KIAA0907), mRNA		16.6706	-19.27	0.006436	440	15	1	34 [+]
KIAA1305	KIAA1305 (KIAA1305), mRNA		15.1018	-16.85	0.006461	1000	23	2	27 [+]
KIAA1468	KIAA1468 (KIAA1468), mRNA		14.2017	-12.92	0.006473	1000	10	1	12 [+]
KIAA1600	Uncharacterized protein KIAA1600		14.305	-28.39	0.006478	2862	3	3	4 [+]
KIAA2013	KIAA2013 (KIAA2013), mRNA		14.5298	-17.33	0.006529	1597	4	3	4 [+]
KIAA2013	KIAA2013 (KIAA2013), mRNA		14.4403	-10.37	0.006538	174	9	5	34 [+]
KIF7	Kinesin family member 7		15.0214	-13.86	0.006657	681	14	4	28 [+]
KIR2DL1	Killer cell immunoglobulin-like receptor 3DL2 precursor (MHC class I NK cell receptor) (Natural killer-associated transcript 4) (NKAT-4) (p70 natural killer cell receptor clone CL-5) (CD158k antigen)		14.9529	-16.59	0.006665	566	16	6	28 [+]
KISS1R	KiSS-1 receptor (KiSS-1R) (Kisspeptins receptor) (Metastin receptor) (G-protein coupled receptor 54) (Hypogonadotropin-1) (hOT7T175)		16.6244	-22.23	0.006778	1000	15	1	17 [+]
KLC1	Kinesin light chain 1 (KLC 1)		14.9898	-19.92	0.006788	982	18	5	25 [+]
KLF1	Krueppel-like factor 1 (Erythroid krueppel-like transcription factor) (EKLF) (Erythroid transcription factor)		16.6221	-22.39	0.006795	988	11	1	8 [+]

KLF14	Krueppel-like factor 14 (Transcription factor BTEB5) (Basic transcription element-binding protein 5) (BTE-binding protein 5)		14.524	-17.77	0.006807	1305	16	6	25 [+]
KR261_HUMAN	Keratin-associated protein 26-1		14.9882	-16.22	0.00683	347	15	4	54 [+]
KRT10	Keratin, type I cytoskeletal 10 (Cytokeratin-10) (CK-10) (Keratin-10) (K10)		14.8674	-22.07	0.006894	782	21	6	33 [+]
KRT33B	Keratin, type I cuticular Ha3-II (Hair keratin, type I Ha3-II)		14.1682	-13.3	0.006907	331	19	3	66 [+]
KRT38	Keratin, type I cuticular Ha8 (Hair keratin, type I Ha8)		16.6028	-15.83	0.006933	359	18	3	44 [+]
KRTAP10-1	Keratin-associated protein 10-1 (Keratin-associated protein 10.1) (High sulfur keratin-associated protein 10.1) (Keratin-associated protein 18-1) (Keratin-associated protein 18.1)		16.6007	-14.52	0.006949	205	10	5	37 [+]
LALBA	Alpha-lactalbumin precursor (Lactose synthase B protein) (Lysozyme- like protein 7)		15.5529	-17.63	0.006992	1032	17	6	18 [+]
LAMA4	Laminin subunit alpha-4 precursor		16.5865	-20.5	0.007029	434	21	6	64 [+]
LCE2B	Late cornified envelope protein 2B (Late envelope protein 10) (Small proline-rich-like epidermal differentiation complex protein 1B) (Skin- specific protein Xp5)		14.6524	-15.76	0.007091	1000	14	2	13 [+]
LCE2D	Late cornified envelope protein 2D (Late envelope protein 12) (Small proline-rich-like epidermal differentiation complex protein 1A)		16.5766	-18.77	0.007128	1000	17	2	18 [+]
LCE3C	Late cornified envelope protein 3C (Late envelope protein 15) (Small proline-rich-like epidermal differentiation complex protein 2A)		14.2858	-16.49	0.007263	1338	10	6	10 [+]
LCE4A	Late cornified envelope protein 4A (Late envelope protein 8) (Small proline-rich-like epidermal differentiation complex protein 4A)		14.3691	-15.65	0.007542	1059	10	5	15 [+]

LCK	Proto-oncogene tyrosine-protein kinase LCK (EC 2.7.10.2) (p56-LCK) (Lymphocyte cell-specific protein-tyrosine kinase) (LSK) (T cell- specific protein-tyrosine kinase)		14.1557	-23.82	0.007681	691	22	4	35 [+]
LEMD1	LEM domain containing 1		16.502	-30.42	0.007709	1000	11	2	18 [+]
LEMD1	LEM domain containing 1		14.4528	-20.24	0.007741	1188	23	6	27 [+]
LEMD1	LEM domain containing 1		16.4975	-18	0.007745	711	22	9	34 [+]
LEMD1	LEM domain containing 1		16.487	-19.42	0.007801	300	14	1	41 [+]
LEPR	Leptin receptor precursor (LEP-R) (OB receptor) (OB-R) (HuB219) (CD295 antigen)		16.487	-16.21	0.007831	207	11	1	48 [+]
LGI4	Leucine-rich repeat LGI family member 4 precursor (Leucine-rich glioma-inactivated protein 4) (LGI1-like protein 3)		16.487	-13.41	0.007831	247	12	1	46 [+]
LIG4	DNA ligase 4 (EC 6.5.1.1) (DNA ligase IV) (Polydeoxyribonucleotide synthase [ATP] 4)		14.0992	-14.51	0.007886	256	16	6	49 [+]
LIG4	DNA ligase 4 (EC 6.5.1.1) (DNA ligase IV) (Polydeoxyribonucleotide synthase [ATP] 4)		14.0992	-10.55	0.007886	299	17	6	67 [+]
LMO1	Rhombotin-1 (LIM domain only protein 1) (Cysteine-rich protein TTG-1) (T-cell translocation protein 1)		16.4774	-22.61	0.007911	443	22	6	50 [+]
LMX1B	LIM homeobox transcription factor 1 beta (LIM/homeobox protein LMX1B) (LIM/homeobox protein 1.2) (LMX-1.2)		14.0966	-17.46	0.007926	569	20	2	44 [+]
LMX1B	LIM homeobox transcription factor 1 beta (LIM/homeobox protein LMX1B) (LIM/homeobox protein 1.2) (LMX-1.2)		14.3722	-17.15	0.008277	1790	12	2	13 [+]
LOC283398	NOT ANNOTATED		16.4251	-19.48	0.008357	1000	11	3	14 [+]
LOC342994	60S ribosomal protein L34 60S ribosomal protein L34		14.8424	-17.48	0.008495	2223	9	3	9 [+]
LOC387867	NOT ANNOTATED		14.0586	-17.52	0.008524	409	19	4	46 [+]
LOC441873	NOT ANNOTATED		16.3965	-21.71	0.008576	1000	11	1	12 [+]

LOC652153	CDNA FLJ14665 fis, clone NT2RP2002891. CDNA FLJ14665 fis, clone NT2RP2002891. BY ORTHOLOGY TO:ENSMODT00000029714		14.2668	-13.99	0.008777	501	15	5	23 [+]
LOC728932	NOT ANNOTATED		14.2806	-11.95	0.008799	438	19	3	38 [+]
LOC729368	NOT ANNOTATED		16.3735	-18	0.008823	797	12	1	15 [+]
LOC730029	NOT ANNOTATED		16.3733	-13.97	0.008825	277	11	1	22 [+]
LOC731576	High mobility group nucleosomal binding domain 1 . high mobility group nucleosomal binding domain 1 . BY ORTHOLOGY TO:ENSRNOT00000022557		16.3733	-17.17	0.008825	147	7	1	22 [+]
LOC731640	NOT ANNOTATED		16.3733	-17.17	0.008825	154	7	1	23 [+]
LPA	Apolipoprotein(a) precursor (EC 3.4.21.-) (Apo(a)) (Lp(a))		16.3733	-17.17	0.008825	157	8	5	28 [+]
LRRC3B	Leucine-rich repeat-containing protein 3B precursor (Leucine-rich repeat protein LRP15)		14.3266	-7.74	0.008847	249	15	4	51 [+]
LRRC45	Leucine-rich repeat-containing protein 45		16.362	-25.14	0.008891	1000	12	1	13 [+]
LRRIQ1	leucine-rich repeats and IQ motif containing 1 isoform 2		14.0457	-18.56	0.008962	1761	6	3	8 [+]
LSM14B	LSM14 protein homolog B (Protein FAM61B)		14.0306	-16.24	0.008991	2072	2	1	2 [+]
LSS	Lanosterol synthase (EC 5.4.99.7) (Oxidosqualene--lanosterol cyclase) (2,3-epoxysqualene--lanosterol cyclase) (OSC)		14.554	-8.2	0.008996	107	7	6	13 [+]
LY6G6D	G6f protein		16.3389	-23.55	0.009149	415	21	5	58 [+]
LY6G6D	G6f protein		16.3323	-21.48	0.009171	1254	9	3	8 [+]
MAL	Myelin and lymphocyte protein (T-lymphocyte maturation-associated protein)		14.4545	-20.72	0.009176	2379	9	2	7 [+]

MAN1B1	Endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase (EC 3.2.1.113) (ER alpha-1,2-mannosidase) (Mannosidase alpha class 1B member 1) (Man9GlcNAc2-specific-processing alpha-mannosidase)		16.3346	-23.55	0.009191	416	17	1	38 [+]
MAP1S	BPY2 interacting protein 1		16.326	-23.55	0.009274	418	17	1	38 [+]
MAP3K5	Mitogen-activated protein kinase kinase kinase 5 (EC 2.7.11.25) (MAPK/ERK kinase kinase 5) (MEK kinase 5) (MEKK 5) (Apoptosis signal- regulating kinase 1) (ASK-1)		14.1389	-13.31	0.009296	1608	10	8	9 [+]
MAP3K5	Mitogen-activated protein kinase kinase kinase 5 (EC 2.7.11.25) (MAPK/ERK kinase kinase 5) (MEK kinase 5) (MEKK 5) (Apoptosis signal- regulating kinase 1) (ASK-1)		16.0799	-18.97	0.009418	714	21	4	36 [+]
MAPK9	Mitogen-activated protein kinase 9 (EC 2.7.11.24) (Stress-activated protein kinase JNK2) (c-Jun N-terminal kinase 2) (JNK-55)		16.3042	-16.79	0.009444	657	18	1	29 [+]
MARCH9	E3 ubiquitin-protein ligase MARCH9 (EC 6.3.2.-) (Membrane-associated RING finger protein 9) (Membrane-associated RING-CH protein IX) (MARCH-IX) (RING finger protein 179)		16.302	-19.05	0.009466	1000	21	3	24 [+]
MCM3	DNA replication licensing factor MCM3 (DNA polymerase alpha holoenzyme-associated protein P1) (RLF subunit beta) (P102 protein) (P1-MCM3)		16.3012	-16.79	0.009474	658	23	2	39 [+]

MCM3	DNA replication licensing factor MCM3 (DNA polymerase alpha holoenzyme-associated protein P1) (RLF subunit beta) (P102 protein) (P1-MCM3)		16.2797	-23.02	0.009736	429	16	1	38 [+]
MCM3AP	80 kDa MCM3-associated protein (GANP protein)		16.2735	-23.64	0.009752	1000	14	1	16 [+]
MCM6	DNA replication licensing factor MCM6 (p105MCM)		14.0992	-11.67	0.009847	218	12	5	38 [+]
MCM9	Minichromosome maintenance protein domain containing 1		14.554	-8.95	0.009856	299	16	6	65 [+]
MDC1	Mediator of DNA damage checkpoint protein 1 (Nuclear factor with BRCT domains 1)		16.2599	-18.25	0.009891	1000	11	1	14 [+]
MDC1	Mediator of DNA damage checkpoint protein 1 (Nuclear factor with BRCT domains 1)		16.2599	-18.25	0.009891	1000	11	1	15 [+]
MED25	ARC/mediator transcriptional coactivator subunit		16.2596	-18.41	0.009895	234	15	4	50 [+]
MED25	ARC/mediator transcriptional coactivator subunit		14.0462	-14.75	0.009895	661	24	7	35 [+]
MEPE	Matrix extracellular phosphoglycoprotein precursor (Osteoblast/osteocyte factor 45) (OF45)		14.7299	-14.55	0.009934	1060	18	4	25 [+]
MFI2	Melanotransferrin precursor (Melanoma-associated antigen p97) (CD228 antigen)		16.2596	-16.07	0.009944	130	5	2	12 [+]
MFSD7	Major facilitator superfamily domain-containing protein 7 (Myosin light polypeptide 5 regulatory protein) (MYL5)		14.7207	-24.25	0.009947	1535	14	4	16 [+]
MFSD7	Major facilitator superfamily domain-containing protein 7 (Myosin light polypeptide 5 regulatory protein) (MYL5)		14.3266	-12.64	0.010004	218	12	2	56 [+]

MGST3	Microsomal glutathione S-transferase 3 (EC 2.5.1.18) (Microsomal GST- 3) (Microsomal GST-III)		15.5019	-19.08	0.01011	1000	16	4	18 [+]
MID1	Midline-1 (EC 6.3.2.-) (Tripartite motif-containing protein 18) (Putative transcription factor XPRF) (Midin) (RING finger protein 59) (Midline 1 RING finger protein)		16.2348	-23.02	0.010206	440	21	3	62 [+]
MKL1_HUMAN	MKL/myocardin-like protein 1 (Myocardin-related transcription factor A) (MRTF-A) (Megakaryoblastic leukemia 1 protein) (Megakaryocytic acute leukemia protein)		16.2302	-21.51	0.010255	1000	12	1	16 [+]
MLXIP	MLX interacting protein		16.2283	-22.22	0.010276	1424	9	1	9 [+]
MME	Neprilysin (EC 3.4.24.11) (Neutral endopeptidase) (NEP) (Enkephalinase) (Neutral endopeptidase 24.11) (Atriopeptidase) (Common acute lymphocytic leukemia antigen) (CALLA) (CD10 antigen)		14.9682	-18.29	0.010315	1358	12	3	14 [+]
MOG	Myelin oligodendrocyte glycoprotein isoform alpha1 precursor		16.2197	-20.66	0.010369	604	15	1	25 [+]
MOG	Myelin oligodendrocyte glycoprotein isoform alpha1 precursor		14.554	-12.18	0.010369	318	10	2	34 [+]
MOG	Myelin oligodendrocyte glycoprotein isoform alpha1 precursor		16.2024	-22.35	0.010503	685	15	1	17 [+]
MOG	Myelin oligodendrocyte glycoprotein isoform alpha1 precursor		14.05	-13.37	0.010514	859	22	9	36 [+]
MORC2	MORC family CW-type zinc finger protein 2 (Zinc finger CW-type coiled- coil domain protein 1)		14.5105	-22.35	0.010698	2064	4	2	4 [+]
MOSC1	MOSC domain-containing protein 1, mitochondrial precursor (EC 1.-.-.-)		14.8624	-19.45	0.010752	458	18	2	47 [+]

MPDU1	Mannose-P-dolichol utilization defect 1 protein (Suppressor of Lec15 and Lec35 glycosylation mutation homolog) (SL15)		14.2017	-16.05	0.010797	1000	22	5	30 [+]
MPDU1	Mannose-P-dolichol utilization defect 1 protein (Suppressor of Lec15 and Lec35 glycosylation mutation homolog) (SL15)		15.2705	-11.9	0.010847	358	14	5	36 [+]
MR1	Major histocompatibility complex, class I-related +C493		14.0738	-14.01	0.010983	405	19	9	58 [+]
MRFAP1L1	Morf4 family associated protein 1-like 1		16.1512	-22.35	0.01108	721	15	1	16 [+]
MRFAP1L1	Morf4 family associated protein 1-like 1		16.1459	-17.79	0.011204	121	6	2	33 [+]
MRPL37	39S ribosomal protein L37, mitochondrial precursor (L37mt) (MRP-L37)		16.1459	-12.46	0.011204	128	7	1	27 [+]
MRPS35	28S ribosomal protein S35, mitochondrial precursor (S35mt) (MRP-S35) (Mitochondrial ribosomal protein S28) (MRP-S28)		14.6476	-13	0.011348	1119	19	6	28 [+]
MS4A5	Membrane-spanning 4-domains subfamily A member 5 (Testis-expressed transmembrane 4 protein) (CD20 antigen-like 2)		15.691	-16.1	0.011692	273	17	8	76 [+]
MSI2	RNA-binding protein Musashi homolog 2 (Musashi-2)		15.096	-16.18	0.011726	1485	5	2	5 [+]
MSL3L1	Male-specific lethal 3-like 1 (MSL3-like 1) (Male-specific lethal-3 homolog 1)		16.1019	-19.9	0.011733	1000	14	3	17 [+]
MSL3L1	Male-specific lethal 3-like 1 (MSL3-like 1) (Male-specific lethal-3 homolog 1)		15.4636	-12.46	0.011888	241	14	7	65 [+]
MT4	Metallothionein-4 (MT-4) (Metallothionein-IV) (MT-IV)		14.0545	-19.08	0.011902	1000	23	3	42 [+]
MTBP	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein binding protein		14.0992	-16.6	0.012027	233	12	3	37 [+]

MYH10	Myosin-10 (Myosin heavy chain 10) (Myosin heavy chain, nonmuscle IIb) (Nonmuscle myosin heavy chain IIb) (NMMHC II-b) (NMMHC-IIB) (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC- B)		16.0684	-16.23	0.01208	313	14	1	35 [+]
MYLE_HUMAN	Protein MYLE (Dexamethasone-induced protein)		14.4092	-18.96	0.012138	656	22	6	36 [+]
MZF1	Myeloid zinc finger 1 (MZF-1) (Zinc finger protein 42) (Zinc finger and SCAN domain-containing protein 6)		14.299	-13.74	0.012145	2767	5	3	5 [+]
NASP	Nuclear autoantigenic sperm protein (NASP)		16.0679	-20.51	0.012159	1087	8	1	10 [+]
NAT10	N-acetyltransferase 10 (EC 2.3.1.-)		15.5695	-18.48	0.012229	443	19	6	39 [+]
NBPF6	Neuroblastoma breakpoint family member 6 (Fragment)		16.0368	-12.95	0.012483	384	16	4	60 [+]
NDUFS6	NADH dehydrogenase [ubiquinone] iron-sulfur protein 6, mitochondrial precursor (EC 1.6.5.3) (EC 1.6.99.3) (NADH-ubiquinone oxidoreductase 13 kDa-A subunit) (Complex I-13kD-A) (CI-13kD-A)		16.0322	-22.2	0.012623	292	14	4	56 [+]
NEFL	Neurofilament light polypeptide (NF-L) (Neurofilament triplet L protein) (68 kDa neurofilament protein)		16.0322	-10.1	0.012623	225	12	1	35 [+]
NEK10	Serine/threonine-protein kinase Nek10 (EC 2.7.11.1) (NimA-related protein kinase 10)		16.0322	-20.85	0.012623	157	9	3	45 [+]
NELL1	Protein kinase C-binding protein NELL1 precursor (NEL-like protein 1) (Nel-related protein 1)		14.554	-10.17	0.012623	278	16	10	73 [+]
NELL1	Protein kinase C-binding protein NELL1 precursor (NEL-like protein 1) (Nel-related protein 1)		15.6019	-19.97	0.012687	1000	21	5	27 [+]

NFIB	Nuclear factor 1 B-type (Nuclear factor 1/B) (NF1-B) (NFI-B) (NF-I/B) (CCAAT-box-binding transcription factor) (CTF) (TGGCA-binding protein)		16.0261	-20.25	0.012703	1002	13	1	14 [+]
NFIB	Nuclear factor 1 B-type (Nuclear factor 1/B) (NF1-B) (NFI-B) (NF-I/B) (CCAAT-box-binding transcription factor) (CTF) (TGGCA-binding protein)		16.0261	-20.79	0.012704	301	17	5	53 [+]
NFIB	Nuclear factor 1 B-type (Nuclear factor 1/B) (NF1-B) (NFI-B) (NF-I/B) (CCAAT-box-binding transcription factor) (CTF) (TGGCA-binding protein)		14.3537	-22.22	0.012972	1109	13	2	15 [+]
NFIL3	Nuclear factor, interleukin 3 regulated		15.9973	-15.41	0.013092	781	8	1	11 [+]
NFIL3	Nuclear factor, interleukin 3 regulated		15.991	-26.24	0.013093	1293	3	1	3 [+]
NIPA2	Non-imprinted in Prader-Willi/Angelman syndrome region protein 2		15.9805	-17.55	0.013325	1000	20	2	30 [+]
NIT1	Nitrilase homolog 1 (EC 3.5.-.-)		15.1273	-18.69	0.013443	1199	14	3	18 [+]
NLRP6	NACHT, LRR and PYD-containing protein 6 (PYRIN-containing APAF1-like protein 5)		14.3366	-17.26	0.013474	1000	23	5	25 [+]
NM_001031.4	Ribosomal protein S28 (RPS28), mRNA		15.1597	-10.36	0.013478	335	16	3	42 [+]
NM_001039690.2	Chromosome transmission fidelity factor 8 homolog (S. cerevisiae) (CTF8), transcript variant 1, mRNA		15.9673	-16.69	0.013511	331	14	1	41 [+]
NMB	Neuromedin-B precursor [Contains: Neuromedin-B-32; Neuromedin-B]		15.9662	-15.82	0.013526	453	21	8	48 [+]
NOC4L	Nucleolar complex protein 4 homolog (NOC4 protein homolog) (NOC4-like protein) (Nucleolar complex-associated protein 4-like protein)		15.9495	-10.08	0.013671	487	19	5	38 [+]
NP_001001394.1	HCG3 gene (HCG3), mRNA		14.6677	-11.49	0.013689	353	19	4	79 [+]

NP_001001394.1	HCG3 gene (HCG3), mRNA		14.0992	-12.67	0.013901	299	15	6	55 [+]
NP_001001707.1	CDNA FLJ45974 fis, clone PLACE7018452		15.938	-15.83	0.013932	316	18	2	54 [+]
NP_001004321.2	CDNA FLJ45445 fis, clone BRSSN2013696		15.9212	-17.13	0.014079	1052	7	1	8 [+]
NP_001005472.1	Similar to Laminin receptor 1 (LOC388524), mRNA		15.9185	-15.56	0.01422	139	6	1	26 [+]
NP_001005751.1	Family with sequence similarity 21, member A		15.9185	-11.56	0.01422	221	12	1	33 [+]
NP_001010886.1	OTTHUMP00000016273 (Fragment)		15.9124	-19.16	0.01431	301	17	1	52 [+]
NP_001013670.3	Similar to hepatitis C virus core-binding protein 6; cervical cancer oncogene 3 (LOC388965), mRNA		15.0835	-18.24	0.014313	680	20	5	30 [+]
NP_001013695.1	CDNA FLJ42076 fis, clone SYNOV2018921 (Hypothetical gene supported by AK124070)		14.5341	-15.58	0.014385	564	20	5	41 [+]
NP_001013734.1	CDNA FLJ41491 fis, clone BRTHA2004978 (Hypothetical gene supported by AK123485)		14.3613	-14.04	0.014396	446	25	5	62 [+]
NP_001014979.1	Gene model 166, (NCBI) gene model 166, (NCBI) BY ORTHOLOGY TO:ENSMUST00000072155		15.8918	-20.97	0.014516	1000	12	1	13 [+]
NP_001017975.3	HFM1 protein		15.8962	-20.54	0.014556	443	12	1	21 [+]
NP_001019853.1	NOT ANNOTATED		15.8961	-17.16	0.014557	416	16	1	47 [+]
NP_001026789.1	similar to Williams-Beuren syndrome critical region protein 19 (MGC119295), mRNA		14.9987	-14.92	0.014563	885	22	6	33 [+]
NP_001026789.1	similar to Williams-Beuren syndrome critical region protein 19 (MGC119295), mRNA		14.9148	-19.17	0.014578	1707	11	5	12 [+]

NP_001028830.1	hypothetical protein LOC508592 hypothetical protein LOC508592 BY ORTHOLOGY TO:ENSBTAT00000023660		15.8865	-18.1	0.014704	836	22	4	31 [+]
NP_001030016.1	Similar to Williams Beuren syndrome chromosome region 19 (LOC441251), mRNA		15.884	-17.35	0.014743	506	19	1	38 [+]
NP_001034931.1	RIKEN cDNA 1810049H13 gene RIKEN cDNA 1810049H13 gene BY ORTHOLOGY TO:ENSMUST00000044007		15.8749	-20.12	0.014884	577	20	4	32 [+]
NP_001035155.1	similar to olfactory receptor 873 (PJCG6), mRNA		15.3499	-18.75	0.015044	207	12	3	56 [+]
NP_001036096.1	RIKEN cDNA 0610010E21 gene RIKEN cDNA 0610010E21 gene BY ORTHOLOGY TO:ENSRNOT00000056877		15.6517	-20.31	0.015181	468	18	7	43 [+]
NP_001038941.1	WD repeat domain 38		15.843	-17.11	0.01539	1000	16	1	19 [+]
NP_001073976.1	RIKEN cDNA 2410146L05 gene RIKEN cDNA 2410146L05 gene BY ORTHOLOGY TO:ENSMUST00000034900		15.8416	-15.44	0.015412	403	15	3	40 [+]
NP_001074008.1	CDNA FLJ39660 fis, clone SMINT2006801		15.7495	-17.28	0.015749	425	18	3	45 [+]
NP_001074298.1	CDC37-like		15.8181	-20.52	0.015795	526	19	3	49 [+]
NP_006324.1	Nuclear DNA-binding protein		15.8146	-22.85	0.015854	1000	13	3	15 [+]
NP_056996.2	C8orfK32 protein (C8ORFK32), mRNA		15.8127	-17.02	0.015885	465	19	1	36 [+]
NP_056996.2	C8orfK32 protein (C8ORFK32), mRNA		15.8047	-13.91	0.01589	181	9	1	29 [+]
NP_060358.2	CDNA FLJ20581 fis, clone REC00491		15.8047	-15.17	0.01589	225	9	3	25 [+]
NP_060380.2	CDNA FLJ20628 fis, clone KAT03903		15.8047	-15.17	0.01589	231	9	1	23 [+]
NP_060380.2	CDNA FLJ20628 fis, clone KAT03903		15.7997	-21.94	0.016102	2280	4	2	4 [+]

NP_061864.2	STAG3-like		15.799	-18.98	0.016115	532	23	5	50 [+]
NP_061864.2	STAG3-like		15.7729	-17.8	0.016425	1000	9	1	8 [+]
NP_061900.1	RNA-binding protein (FLJ20273), mRNA		15.7795	-17.16	0.016446	445	18	1	44 [+]
NP_061900.1	RNA-binding protein (FLJ20273), mRNA		15.768	-19.92	0.016646	448	21	3	49 [+]
NP_061900.1	RNA-binding protein (FLJ20273), mRNA		15.764	-17.01	0.016716	336	15	5	52 [+]
NP_079466.2	KIAA1641 (KIAA1641), mRNA		15.764	-19.16	0.016716	327	19	6	64 [+]
NP_877439.2	Putative binding protein 7a5		15.763	-20.05	0.016734	1000	14	1	15 [+]
NP_940865.1	CDNA FLJ42117 fis, clone TESTI2005376 (FLJ42117 protein)		15.745	-19.06	0.016907	1000	8	1	10 [+]
NP_950246.1	NOT ANNOTATED		15.749	-17.16	0.01698	453	19	3	47 [+]
NP_955377.2	Similar to phosphatidylinositol 4-kinase alpha (LOC375133), mRNA		15.745	-16.23	0.017051	973	11	1	11 [+]
NP_996849.2	Similar to AVLV472 (MGC23985), mRNA		15.7417	-18.61	0.017109	1000	16	4	21 [+]
NP_997273.2	CDNA FLJ45910 fis, clone PEBLM2003935		15.7311	-13.92	0.017153	363	18	1	36 [+]
NP_997327.1	CDNA FLJ35695 fis, clone SPLEN2019709 (FLJ35695 protein)		15.7377	-17.16	0.017181	456	19	1	43 [+]
NPEPL1	Syntaxin-16 (Syn16)		15.7365	-15.47	0.017203	1000	12	2	15 [+]
NPPA	Atrial natriuretic factor precursor (ANF) (Atrial natriuretic peptide) (ANP) (Prepronatriodilatin) (CDD-ANF) [Contains: Cardiodilatin-related peptide (CDP)]		15.7265	-16.63	0.017234	475	19	1	38 [+]
NR2E3	Photoreceptor-specific nuclear receptor (Retina-specific nuclear receptor)		15.7321	-23.85	0.017283	1000	11	1	11 [+]
NSMCE4A	Uncharacterized protein C10orf86		15.4035	-17.53	0.017393	2211	4	3	4 [+]
NUP37	Nucleoporin Nup37 (p37)		15.7257	-13.19	0.017399	1005	4	1	4 [+]
O15103_HUMAN	NOT ANNOTATED		15.7163	-14.97	0.017417	358	17	1	43 [+]
O15103_HUMAN	NOT ANNOTATED		15.7212	-20.58	0.017481	384	19	1	52 [+]

OAS2	2'-5'-Oligoadenylate synthetase 2 (EC 2.7.7.-) ((2-5')oligo(A) synthetase 2) (2-5A synthetase 2) (p69 OAS / p71 OAS) (p69OAS / p71OAS)		15.7096	-15.14	0.017538	606	20	1	34 [+]
OCIAD1	OCIA domain containing 1 isoform 1		15.7019	-26.03	0.017837	1000	10	2	10 [+]
OCIAD1	OCIA domain containing 1 isoform 1		14.2017	-21.51	0.017873	1000	15	4	17 [+]
ODZ2	Teneurin-2 (Ten-2) (Tenascin-M2) (Ten-m2) (Protein Odd Oz/ten-m homolog 2)		15.691	-15.81	0.017879	115	5	1	19 [+]
OLIG1	Oligodendrocyte transcription factor 1 (Oligo1)		14.7889	-15.66	0.017907	513	24	3	43 [+]
OLIG1	Oligodendrocyte transcription factor 1 (Oligo1)		15.6952	-16.55	0.017963	383	17	1	50 [+]
ONECUT1	Hepatocyte nuclear factor 6 (HNF-6) (One cut domain family member 1)		15.691	-11.26	0.018041	285	12	1	29 [+]
OR11H4	Olfactory receptor 11H4 (Olfactory receptor OR14-36)		15.691	-17.5	0.018041	198	10	1	35 [+]
OR13D1	Olfactory receptor 13D1		15.691	-17.5	0.018041	197	10	1	35 [+]
OR1G1	Olfactory receptor 1G1 (Olfactory receptor 17-209) (OR17-209)		15.691	-8.36	0.018041	76	4	1	8 [+]
OR1L4	Olfactory receptor 1L4 (Olfactory receptor 9-E) (OR9-E) (OST046)		14.8018	-19.89	0.018295	1000	27	6	42 [+]
OR2M3	Olfactory receptor 2M3 (Olfactory receptor OR1-54)		15.6684	-16.07	0.018303	1597	4	1	4 [+]
OR5I1	Olfactory receptor 5I1 (Olfactory receptor OR11-159) (Olfactory receptor-like protein OLF1)		14.2017	-25.01	0.018422	1000	10	2	14 [+]
OR6T1	Olfactory receptor 6T1		15.6619	-16.07	0.018428	1604	4	1	4 [+]
OR8I2	Olfactory receptor 8I2 (Olfactory receptor OR11-170)		15.6576	-10.78	0.018508	487	20	9	55 [+]
OR8K5	Olfactory receptor 8K5		15.6632	-18.62	0.018573	589	17	4	35 [+]
OR8S1	Olfactory receptor 8S1		15.646	-16.07	0.018732	328	15	1	31 [+]
OR9G9	Olfactory receptor 9G1		15.6447	-19.54	0.018758	1000	14	1	16 [+]

OSBP2	Oxysterol-binding protein 2 (Oxysterol-binding protein-related protein 4) (OSBP-related protein 4) (ORP-4)		15.1018	-16.06	0.018901	1000	11	2	14 [+]
OSBP2	Oxysterol-binding protein 2 (Oxysterol-binding protein-related protein 4) (OSBP-related protein 4) (ORP-4)		15.6463	-13.62	0.018904	1000	12	1	13 [+]
OTOA	Otoancorin precursor		15.6262	-15.83	0.01912	377	19	1	46 [+]
OX26_HUMAN	Orexigenic neuropeptide QRFP precursor (P518) [Contains: QRF-amide (Pyroglutamylated arginine-phenylalanine-amide peptide) (Neuropeptide RF-amide)]		15.6216	-16.85	0.019212	717	19	1	30 [+]
OXSM	3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial precursor (EC 2.3.1.41) (Beta-ketoacyl synthase)		15.3441	-17.9	0.019566	475	17	5	27 [+]
P2RY1	P2Y purinoceptor 1 (ATP receptor) (P2Y1) (Purinergic receptor)		15.6019	-16.98	0.019608	1000	12	1	10 [+]
PAH	Phenylalanine-4-hydroxylase (EC 1.14.16.1) (PAH) (Phe-4- monooxygenase)		15.6019	-16.98	0.019608	1000	11	1	9 [+]
PAK6	Serine/threonine-protein kinase PAK 6 (EC 2.7.11.1) (p21-activated kinase 6) (PAK-6) (PAK-5)		15.6019	-16.98	0.019608	1000	11	1	9 [+]
PAQR6	Progestin and adipoQ receptor family member 6 (Progestin and adipoQ receptor family member VI)		15.5989	-15.83	0.019667	383	18	1	46 [+]
PAQR6	Progestin and adipoQ receptor family member 6 (Progestin and adipoQ receptor family member VI)		15.6019	-15.47	0.019802	1000	13	1	16 [+]
PARD3	Partitioning-defective 3 homolog (PARD-3) (PAR-3) (Atypical PKC isotype-specific-interacting protein) (ASIP) (CTCL tumor antigen se2- 5) (PAR3-alpha)		14.6989	-20.85	0.019833	1148	15	2	18 [+]

PARP9	Poly [ADP-ribose] polymerase 9 (EC 2.4.2.30) (PARP-9) (B aggressive lymphoma protein)		15.3684	-14.79	0.019915	569	19	5	39 [+]
PAX3	Paired box protein Pax-3 (HUP2)		15.5862	-15.18	0.019927	593	17	2	35 [+]
PCBP2	Poly(rC)-binding protein 2 (Alpha-CP2) (hnRNP-E2)		15.5773	-11.67	0.020111	201	10	1	30 [+]
PCBP2	Poly(rC)-binding protein 2 (Alpha-CP2) (hnRNP-E2)		15.5576	-18.71	0.020209	557	17	2	29 [+]
PCCA	Propionyl-CoA carboxylase alpha chain, mitochondrial precursor (EC 6.4.1.3) (PCCase subunit alpha) (Propanoyl-CoA:carbon dioxide ligase subunit alpha)		15.5773	-17	0.020316	212	12	1	33 [+]
PCDH11Y	Protocadherin-11 Y-linked precursor (Protocadherin-11) (Protocadherin- 22) (Protocadherin on the Y chromosome) (PCDH-Y) (Protocadherin prostate cancer) (Protocadherin-PC)		14.1819	-12.9	0.020519	973	18	10	21 [+]
PCSK6	Proprotein convertase subtilisin/kexin type 6 precursor (EC 3.4.21.-) (Paired basic amino acid cleaving enzyme 4) (Subtilisin/kexin-like protease PACE4) (Subtilisin-like proprotein convertase 4) (SPC4)		15.5572	-17.19	0.020749	905	18	8	21 [+]
PDCD10	Programmed cell death protein 10 (TF-1 cell apoptosis-related protein 15) (Cerebral cavernous malformations 3 protein)		15.5502	-19.49	0.0209	394	21	7	68 [+]
PDK2	[Pyruvate dehydrogenase [lipoamide]] kinase isozyme 2, mitochondrial precursor (EC 2.7.11.2) (Pyruvate dehydrogenase kinase isoform 2)		15.5317	-17.51	0.021083	1000	10	1	9 [+]
PDRG1	p53 and DNA damage-regulated protein 1		15.1785	-12.7	0.021442	378	20	5	52 [+]

PDSS1	Decaprenyl-diphosphate synthase subunit 1 (EC 2.5.1.-) (Decaprenyl pyrophosphate synthetase subunit 1) (Trans-prenyltransferase) (TPT)		15.4895	-25.27	0.021682	1000	20	3	35 [+]
PDZD5B	FRMPD2 related 2 isoform 2		15.5035	-24.42	0.021705	1293	11	1	12 [+]
PELI3	Protein pellino homolog 3 (Pellino-3)		15.5019	-18.97	0.021742	1000	13	1	15 [+]
PELI3	Protein pellino homolog 3 (Pellino-3)		15.5019	-19.4	0.021742	1000	17	3	22 [+]
PENK	Proenkephalin A precursor [Contains: Synenkephalin; Met-enkephalin (Opioid growth factor) (OGF); Met-enkephalin-Arg-Gly-Leu; Leu- enkephalin; Met-enkephalin-Arg-Phe]		15.5019	-16.79	0.021742	1000	10	1	13 [+]
PEX1	Peroxisome biogenesis factor 1 (Peroxin-1) (Peroxisome biogenesis disorder protein 1)		15.3026	-17.91	0.021747	1216	18	8	24 [+]
PEX1	Peroxisome biogenesis factor 1 (Peroxin-1) (Peroxisome biogenesis disorder protein 1)		15.5109	-19.53	0.021776	378	19	1	42 [+]
PFDN5	Prefoldin subunit 5 (C-myc-binding protein Mm-1) (Myc modulator 1)		15.4641	-27.65	0.021873	844	24	6	37 [+]
PHACTR1	Phosphatase and actin regulator 1		15.4944	-18.97	0.021909	1000	11	1	9 [+]
PHACTR4	phosphatase and actin regulator 4 isoform 1		15.5019	-16.08	0.021981	1000	9	2	11 [+]
PHF8	PHD finger protein 8		15.4884	-18	0.022046	1320	4	1	4 [+]
PIAS2	E3 SUMO-protein ligase PIAS2 (Protein inhibitor of activated STAT2) (Protein inhibitor of activated STAT x) (Msx-interacting zinc finger protein) (Miz1) (DAB2-interacting protein) (DIP) (Androgen receptor- interacting protein 3) (ARIP3) (PIAS-NY protein)		15.4857	-16.74	0.022107	651	14	1	18 [+]
PIGG	GPI ethanolamine phosphate transferase 2 (EC 2.-.-.-) (Phosphatidylinositol-glycan biosynthesis class G protein) (PIG-G) (GPI7 homolog) (hGPI7)		15.4636	-14.57	0.022616	258	12	1	31 [+]

PIGG	GPI ethanolamine phosphate transferase 2 (EC 2.-.-.-) (Phosphatidylinositol-glycan biosynthesis class G protein) (PIG-G) (GPI7 homolog) (hGPI7)		15.4636	-13.52	0.022616	215	12	1	44 [+]
PIGG	GPI ethanolamine phosphate transferase 2 (EC 2.-.-.-) (Phosphatidylinositol-glycan biosynthesis class G protein) (PIG-G) (GPI7 homolog) (hGPI7)		15.4636	-14.81	0.022616	216	12	4	50 [+]
PIGN	GPI ethanolamine phosphate transferase 1 (EC 2.-.-.-) (Phosphatidylinositol-glycan biosynthesis class N protein) (PIG-N) (MCD4 homolog)		15.474	-19.49	0.02263	412	20	1	46 [+]
PIGT	GPI transamidase component PIG-T precursor (Phosphatidylinositol- glycan biosynthesis class T protein)		15.1891	-14.67	0.022666	897	24	5	35 [+]
PIGT	GPI transamidase component PIG-T precursor (Phosphatidylinositol- glycan biosynthesis class T protein)		14.5057	-10.6	0.022858	407	17	8	55 [+]
PIGT	GPI transamidase component PIG-T precursor (Phosphatidylinositol- glycan biosynthesis class T protein)		15.4636	-24.12	0.022876	159	10	8	35 [+]
PIK3R3	Phosphatidylinositol 3-kinase regulatory subunit gamma (PI3-kinase p85-subunit gamma) (PtdIns-3-kinase p85-gamma) (p55PIK)		15.4636	-16.76	0.022876	55	2	1	4 [+]
PJA1	E3 ubiquitin-protein ligase Praja1 (EC 6.3.2.-) (Praja-1) (RING finger protein 70)		15.4636	-14.93	0.022876	264	15	4	62 [+]
PJA1	E3 ubiquitin-protein ligase Praja1 (EC 6.3.2.-) (Praja-1) (RING finger protein 70)		15.4636	-12.71	0.022876	131	6	1	23 [+]
PJA1	E3 ubiquitin-protein ligase Praja1 (EC 6.3.2.-) (Praja-1) (RING finger protein 70)		15.4636	-20.91	0.022876	140	7	1	19 [+]
PJA1	E3 ubiquitin-protein ligase Praja1 (EC 6.3.2.-) (Praja-1) (RING finger protein 70)		15.4457	-17.4	0.023037	1000	11	1	15 [+]

PLEKHA3	Pleckstrin homology domain-containing family A member 3 (Phosphoinositol 4-phosphate adaptor protein 1) (FAPP-1)		15.4425	-17.4	0.023113	1000	11	1	14 [+]
PNPLA1	Patatin-like phospholipase domain containing 1 isoform 1		15.4347	-17.79	0.0233	622	21	1	27 [+]
PNPLA1	Patatin-like phospholipase domain containing 1 isoform 1		14.0729	-21.18	0.023425	5000	4	2	4 [+]
POLR1C	DNA-directed RNA polymerase I 40 kDa polypeptide (EC 2.7.7.6) (RPA40) (RPA39)		15.4283	-16.3	0.023454	1000	7	1	7 [+]
POP7	Ribonuclease P protein subunit p20 (EC 3.1.26.5) (RNaseP protein p20) (hPOP7)		14.9644	-19.93	0.023473	959	12	5	12 [+]
POR	NADPH--cytochrome P450 reductase (EC 1.6.2.4) (CPR) (P450R)		15.4315	-17.23	0.023656	1000	13	1	18 [+]
PPIL1	Peptidyl-prolyl cis-trans isomerase-like 1 (EC 5.2.1.8) (PPIase) (Rotamase)		15.418	-23.46	0.023704	1798	2	1	3 [+]
PPM1G	Protein phosphatase 2C isoform gamma (EC 3.1.3.16) (PP2C-gamma) (Protein phosphatase magnesium-dependent 1 gamma) (Protein phosphatase 1C)		15.4115	-17.79	0.023865	631	20	1	27 [+]
PPP1CC	Serine/threonine-protein phosphatase PP1-gamma catalytic subunit (EC 3.1.3.16) (PP-1G) (Protein phosphatase 1C catalytic subunit)		15.4137	-16.36	0.024098	1000	19	3	26 [+]
PPP3R1	Calcineurin subunit B isoform 1 (Protein phosphatase 2B regulatory subunit 1) (Protein phosphatase 3 regulatory subunit B alpha isoform 1)		15.4019	-20.5	0.024397	1000	10	1	10 [+]
PRAF2	PRA1 family protein 2		15.3894	-13.52	0.024413	344	17	1	66 [+]
PRAMEF11	PRAME family member 11 (Fragment)		15.3873	-23.29	0.024466	1000	16	1	19 [+]
PRAMEF15	PRAME family member 9		15.3873	-23.29	0.024466	1000	16	1	19 [+]
PRAMEF4	PRAME family member 4		14.4403	-9.9	0.024492	178	9	10	43 [+]
PRAMEF4	PRAME family member 4		15.3894	-18.65	0.024715	1148	13	1	14 [+]
PRAMEF5	PRAME family member 5		14.0329	-20.08	0.024867	2308	5	2	5 [+]

PRAMEF6	PRAME family member 6		15.3678	-17.4	0.024962	1000	20	2	25 [+]
PRAMEF6	PRAME family member 6		15.3662	-18.47	0.025003	1000	7	1	10 [+]
PRAMEF9	PRAME family member 9		15.362	-19.99	0.025111	901	10	1	11 [+]
PRAMEF9	PRAME family member 9		15.362	-19.99	0.025111	901	10	1	11 [+]
PRCP	Lysosomal Pro-X carboxypeptidase precursor (EC 3.4.16.2) (Prolylcarboxypeptidase) (PRCP) (Proline carboxypeptidase) (Angiotensinase C) (Lysosomal carboxypeptidase		15.3682	-22.23	0.025267	2171	2	1	2 [+]
PRMT5	Protein arginine N-methyltransferase 5 (EC 2.1.1.125) (EC 2.1.1.-) (Shk1 kinase-binding protein 1 homolog) (SKB1Hs) (Jak-binding protein 1) (72 kDa ICln-binding protein)		15.3669	-12.88	0.025301	439	18	1	42 [+]
PROL1	Proline-rich protein 1 precursor (PRL1) (Basic proline-rich lacrimal protein)		15.3499	-15.44	0.025424	188	11	4	33 [+]
PROP1	Homeobox protein prophet of Pit-1 (PROP-1) (Pituitary-specific homeodomain factor)		15.3499	-10.76	0.025424	254	13	1	49 [+]
PROSC	Proline synthetase co-transcribed bacterial homolog protein		14.7053	-17.79	0.025458	597	21	9	49 [+]
PRPH	Peripherin		15.3465	-23.03	0.025514	1436	6	1	6 [+]
PRPSAP2	Phosphoribosyl pyrophosphate synthetase-associated protein 2 (PRPP synthetase-associated protein 2) (41 kDa phosphoribosypyrophosphate synthetase-associated protein) (PAP41)		15.3423	-25.44	0.025624	1899	4	3	4 [+]
PRR6	Proline-rich protein 6 (Nuclear protein p30)		15.3499	-12.07	0.025753	255	15	1	39 [+]
PRUNE	prune homolog		15.3499	-12.07	0.025753	119	8	1	21 [+]
PRUNE	prune homolog		15.3499	-11.58	0.025753	98	6	6	19 [+]
PRUNE	prune homolog		15.3499	-12.07	0.025753	143	8	1	22 [+]
PRX	Periaxin		15.3499	-16.34	0.025753	119	6	6	22 [+]
PRY	PTPN13-like protein, Y-linked (Testis-specific PTP-BL-related Y protein)		15.3499	-11.58	0.025753	100	6	1	18 [+]

PSMA7	Proteasome subunit alpha type 7 (EC 3.4.25.1) (Proteasome subunit RC6- 1) (Proteasome subunit XAPC7)		15.3499	-16.82	0.025753	210	10	1	33 [+]
PSMC6	26S protease regulatory subunit S10B (Proteasome 26S subunit ATPase 6) (Proteasome subunit p42)		15.3499	-13.77	0.025753	258	12	5	38 [+]
PSMD13	26S proteasome non-ATPase regulatory subunit 13 (26S proteasome regulatory subunit S11) (26S proteasome regulatory subunit p40.5)		15.346	-16.08	0.02586	1261	10	1	10 [+]
PTHLH	Parathyroid hormone-related protein precursor (PTH-rP) (PTHrP) [Contains: PTHrP[1-36]; PTHrP[38-94]; Osteostatin (PTHrP[107-139])]		15.3331	-17	0.025868	950	14	1	18 [+]
PTPRK	Receptor-type tyrosine-protein phosphatase kappa precursor (EC 3.1.3.48) (Protein-tyrosine phosphatase kappa) (R-PTP-kappa)		15.3281	-14.68	0.026	1000	15	2	13 [+]
PUS7L	pseudouridylate synthase 7 homolog (S. cerevisiae)-like		15.3271	-17.16	0.026027	623	16	1	22 [+]
PVRL2	Poliovirus receptor-related protein 2 precursor (Herpes virus entry mediator B) (HveB) (Nectin-2) (CD112 antigen)		15.3203	-20.15	0.026209	1000	15	4	19 [+]
PXT1	peroxisomal, testis specific 1		14.3881	-11.07	0.026222	409	19	8	44 [+]
PYCR2	Pyrroline-5-carboxylate reductase 2 (EC 1.5.1.2) (P5CR 2) (P5C reductase 2)		15.3234	-20.13	0.026473	1000	11	1	8 [+]
Q15288_HUMAN	No distinctive protein motifs; ORF		14.324	-10.34	0.026554	426	21	4	77 [+]
Q15494_HUMAN	SMPD1 protein		14.1752	-10.09	0.026604	437	22	6	50 [+]
Q15495_HUMAN	SMPD1 protein		15.3184	-17.12	0.026613	1056	16	4	20 [+]
Q5JVI1_HUMAN	Novel protein (Fragment)		15.3018	-18.25	0.026712	1000	10	1	11 [+]

Q5QHF1_HUMAN	C20orf199 protein (Fragment)		15.3018	-15.16	0.026712	1000	8	1	10 [+]
Q5TBN0_HUMAN	Similar to Leucine-rich repeat protein SHOC-2 (Ras-binding protein Sur-8) (Fragment)		15.3018	-13.5	0.026712	1000	22	3	22 [+]
Q66K37_HUMAN	NOT ANNOTATED		15.3018	-18.74	0.026712	1000	18	3	23 [+]
Q6AI40_HUMAN	NOT ANNOTATED		15.3018	-19.26	0.026712	1000	10	1	15 [+]
Q6IC07_HUMAN	RFPL1S protein		15.3018	-21.34	0.026712	1000	19	5	26 [+]
Q6P094_HUMAN	NOT ANNOTATED		15.3014	-16.08	0.026723	1000	15	2	15 [+]
Q6ZNL0_HUMAN	NOT ANNOTATED		14.7018	-17.2	0.026731	1000	28	6	40 [+]
Q6ZPB5_HUMAN	CDNA FLJ26122 fis, clone SYN00634		15.2999	-14.67	0.026766	823	17	1	21 [+]
Q6ZR49_HUMAN	CDNA FLJ46647 fis, clone TRACH3004288		15.2956	-17	0.026883	971	21	7	31 [+]
Q6ZR85_HUMAN	CDNA FLJ46558 fis, clone THYMU3040068		15.3075	-17.91	0.026915	1212	7	1	10 [+]
Q6ZRI4_HUMAN	CDNA FLJ46339 fis, clone TESTI4046450		15.2923	-17.48	0.026974	827	21	5	27 [+]
Q6ZRI9_HUMAN	CDNA FLJ46326 fis, clone TESTI4043378		15.3029	-12.01	0.027046	734	16	1	30 [+]
Q6ZRU5_HUMAN	CDNA FLJ46089 fis, clone TESTI2011020		15.2893	-9.82	0.027059	378	20	2	58 [+]
Q6ZSV9_HUMAN	CDNA FLJ45174 fis, clone BRAWH3046209		15.3018	-19.75	0.027075	1000	13	1	14 [+]
Q6ZU65_HUMAN	CDNA FLJ43968 fis, clone TESTI4017543, weakly similar to Homo sapiens ubinuclein 1 (UBN1)		15.2886	-12.47	0.027077	431	20	4	39 [+]
Q6ZV65_HUMAN	CDNA FLJ42946 fis, clone BRSTN2005721		15.2856	-19.29	0.027162	2252	2	1	2 [+]

Q6ZVR1_HUMAN	CDNA FLJ42200 fis, clone THYMU2034647		15.2958	-17.43	0.027245	724	25	4	41 [+]
Q6ZW03_HUMAN	CDNA FLJ41849 fis, clone NT2RI3003409		15.2782	-17.92	0.027369	1000	11	1	13 [+]
Q6ZWB7_HUMAN	CDNA FLJ41352 fis, clone BRAWH2014645		15.2897	-14.56	0.02742	1046	20	4	25 [+]
Q6ZWG0_HUMAN	CDNA FLJ41161 fis, clone BRACE2039475		15.2717	-13.89	0.027549	838	15	5	19 [+]
Q86XA1_HUMAN	NOT ANNOTATED		15.2655	-15.09	0.027725	818	15	1	16 [+]
Q8IVY7_HUMAN	MGC52282 protein		15.2641	-18.27	0.027766	648	15	1	20 [+]
Q8IZM0_HUMAN	Putative anti-CNG alpha 1 cation channel translation product		15.1223	-13.74	0.027912	630	23	3	33 [+]
Q8N0S4_HUMAN	KIR3DX1 protein		14.231	-17.97	0.027917	599	21	6	40 [+]
Q8N4X1_HUMAN	NOT ANNOTATED		14.4773	-17.46	0.027929	1067	16	4	20 [+]
Q8N642_HUMAN	HCG2020170		15.2493	-19.79	0.02819	1749	6	2	8 [+]
Q8N793_HUMAN	CDNA FLJ25895 fis, clone CBR03553		14.0654	-10.59	0.028457	504	19	10	46 [+]
Q8N793_HUMAN	CDNA FLJ25895 fis, clone CBR03553		15.2362	-11.89	0.028571	168	9	1	27 [+]
Q8N7E7_HUMAN	CDNA FLJ25715 fis, clone TST05160		15.2362	-13.38	0.028571	267	14	8	55 [+]
Q8N8T0_HUMAN	CDNA FLJ38911 fis, clone NT2NE2007220		15.2362	-9.69	0.028571	300	14	1	33 [+]
Q8NAM9_HUMAN	CDNA FLJ35099 fis, clone PLACE6006287		15.2362	-9.69	0.028571	295	13	1	31 [+]
Q8NAQ8_HUMAN	CDNA FLJ34945 fis, clone NT2RP7008454		15.2362	-9.69	0.028571	300	15	1	32 [+]

Q8NAV9_HUMAN	CDNA FLJ34690 fis, clone MESAN2000894		15.2362	-11.89	0.028571	169	9	1	28 [+]
Q8NCK2_HUMAN	CDNA FLJ90199 fis, clone MAMMA1001609		15.2362	-9.69	0.028571	300	14	1	35 [+]
Q8NDA8_HUMAN	CDNA FLJ35542 fis, clone SPLEN2002917		15.2361	-24.22	0.028576	1563	6	1	5 [+]
Q8NF02_HUMAN	NOT ANNOTATED		15.2361	-10.79	0.028576	475	15	1	28 [+]
Q8NFD4_HUMAN	NOT ANNOTATED		15.2354	-24.12	0.028595	445	16	1	25 [+]
Q8NH58_HUMAN	Seven transmembrane helix receptor		15.228	-14.29	0.028814	922	18	1	25 [+]
Q8NHB0_HUMAN	Seven transmembrane helix receptor		14.4197	-20.77	0.02883	1258	8	3	9 [+]
Q8NHC1_HUMAN	Seven transmembrane helix receptor		15.2403	-19.9	0.028865	1760	3	1	3 [+]
Q8NHC2_HUMAN	Seven transmembrane helix receptor		15.2362	-21.31	0.028987	203	13	1	36 [+]
Q8TF27_HUMAN	NOT ANNOTATED		15.2362	-11.97	0.028987	122	8	2	21 [+]
Q8WUP8_HUMAN	MGC21881 protein (Fragment)		15.2229	-18.6	0.029392	677	9	1	11 [+]
Q969L1_HUMAN	NOT ANNOTATED		14.1722	-17.73	0.029489	1354	19	4	25 [+]
Q96CK5_HUMAN	Homolog of Homo sapiens "PREDICTED "KIAA0226 gene product "Homolog of Homo sapiens "PREDICTED "KIAA0226 gene product " BY ORTHOLOGY TO:SINFRUT00000163195		15.1797	-22.54	0.029504	1098	22	5	23 [+]
Q96GK3_HUMAN	KIF26A protein		15.2176	-20.35	0.029555	527	17	1	27 [+]
Q96GK3_HUMAN	KIF26A protein		15.2172	-13.47	0.029567	1000	14	1	24 [+]

Q96LL3_HUMAN	CDNA FLJ25404 fis, clone TST02888 (Hypothetical protein FLJ25404)		15.2171	-20.57	0.029568	1000	20	2	26 [+]
Q96NA0_HUMAN	CDNA FLJ31197 fis, clone KIDNE2000519, weakly similar to TONB PROTEIN		15.2018	-17.2	0.029595	1000	13	1	16 [+]
Q9BVM4_HUMAN	LOC87769 protein (OTTHUMP00000018653)		15.2009	-12.7	0.029623	373	18	1	39 [+]
Q9BXZ2_HUMAN	Connexin		15.1995	-21.19	0.029664	1357	16	5	21 [+]
Q9H385_HUMAN	NOT ANNOTATED		15.2072	-11.93	0.029874	766	17	1	21 [+]
Q9HBF5_HUMAN	Cervical cancer suppressor-1		15.191	-14.51	0.029925	454	16	1	33 [+]
Q9NXP9_HUMAN	CDNA FLJ20123 fis, clone COL06041		15.2018	-16.92	0.030042	1000	20	1	22 [+]
Q9P156_HUMAN	NOT ANNOTATED		15.2003	-20.59	0.030089	1001	18	1	19 [+]
Q9P1I1_HUMAN	NOT ANNOTATED		15.1456	-15.6	0.030217	746	11	2	19 [+]
QRICH1	Glutamine-rich protein 1		14.4403	-14.26	0.030258	327	14	4	53 [+]
RAB3GAP1	Rab3 GTPase-activating protein catalytic subunit (RAB3 GTPase- activating protein 130 kDa subunit) (Rab3-GAP p130) (Rab3-GAP)		14.8892	-14.82	0.030261	551	26	3	36 [+]
RAB42	Putative Ras-related protein Rab-42		15.1797	-20.15	0.030273	1000	10	1	11 [+]
RAC2	Ras-related C3 botulinum toxin substrate 2 precursor (p21-Rac2) (Small G protein) (GX)		15.1924	-10.88	0.030338	521	14	1	21 [+]
RAD51L1	DNA repair protein RAD51 homolog 2 (R51H2) (RAD51-like protein 1) (Rad51B)		15.1717	-23.38	0.030521	433	17	8	46 [+]
RAF1	RAF proto-oncogene serine/threonine-protein kinase (EC 2.7.11.1) (Raf- 1) (C-RAF) (cRaf)		15.1701	-13.31	0.030572	1000	11	1	11 [+]

RANBP9	Ran-binding protein 9 (RanBP9) (RanBP7) (Ran-binding protein M) (RanBPM) (BPM90) (BPM-L)		15.1804	-14.96	0.030717	1000	14	1	20 [+]
RARRES1	Retinoic acid receptor responder protein 1 (Tazarotene-induced gene 1 protein) (RAR-responsive protein TIG1)		15.1616	-14.67	0.030839	900	14	1	16 [+]
RASIP1	Ras-interacting protein 1 (Rain)		14.9314	-11.98	0.030989	368	19	3	54 [+]
RBM14	RNA-binding protein 14 (RNA-binding motif protein 14) (RRM-containing coactivator activator/modulator) (Synaptotagmin-interacting protein) (SYT-interacting protein)		14.6018	-19.28	0.031126	1000	12	2	13 [+]
RBM22	Pre-mRNA-splicing factor RBM22 (RNA-binding motif protein 22) (Zinc finger CCCH domain-containing protein 16)		15.1659	-22.23	0.031184	2637	2	1	2 [+]
RBM22	Pre-mRNA-splicing factor RBM22 (RNA-binding motif protein 22) (Zinc finger CCCH domain-containing protein 16)		15.1641	-16.54	0.031243	435	17	1	32 [+]
RCCD1	RCC1 domain containing 1		15.1467	-12.97	0.03131	316	15	1	34 [+]
RCOR3	REST corepressor 3		15.1606	-18.61	0.031355	1485	5	1	5 [+]
REV3L	DNA polymerase zeta catalytic subunit (EC 2.7.7.7) (hREV3)		14.4122	-20.01	0.031701	3076	5	2	5 [+]
RFWD2	E3 ubiquitin-protein ligase RFWD2 (EC 6.3.2.-) (RING finger and WD repeat domain protein 2) (Constitutive photomorphogenesis protein 1 homolog) (hCOP1) (RING finger protein 200)		15.1317	-15.92	0.031795	1128	8	3	10 [+]
RFWD2	E3 ubiquitin-protein ligase RFWD2 (EC 6.3.2.-) (RING finger and WD repeat domain protein 2) (Constitutive photomorphogenesis protein 1 homolog) (hCOP1) (RING finger protein 200)		15.129	-17.26	0.031882	754	14	1	14 [+]

RFWD2	E3 ubiquitin-protein ligase RFWD2 (EC 6.3.2.-) (RING finger and WD repeat domain protein 2) (Constitutive photomorphogenesis protein 1 homolog) (hCOP1) (RING finger protein 200)		15.1416	-21.8	0.031981	799	20	7	35 [+]
RG9MTD1	RNA (guanine-9-) methyltransferase domain containing 1		15.1225	-11.28	0.032094	138	8	1	26 [+]
RGR	RPE-retinal G protein-coupled receptor		15.1225	-13.98	0.032094	275	15	5	74 [+]
RGS3	Regulator of G-protein signaling 3 (RGS3) (RGP3)		15.1225	-6.73	0.032094	164	8	2	25 [+]
RGS3	Regulator of G-protein signaling 3 (RGS3) (RGP3)		15.1225	-19.67	0.032094	201	9	1	35 [+]
RHBDF1	rhomboid family 1		15.1199	-15.85	0.032179	321	14	1	33 [+]
RIT2	GTP-binding protein Rit2 (Ras-like protein expressed in neurons) (Ras- like without CAAX protein 2)		15.1174	-15.54	0.032261	771	20	5	31 [+]
RIT2	GTP-binding protein Rit2 (Ras-like protein expressed in neurons) (Ras- like without CAAX protein 2)		15.1318	-13.03	0.032308	872	16	6	23 [+]
RNF125	E3 ubiquitin-protein ligase RNF125 (EC 6.3.2.-) (RING finger protein 125) (T-cell RING activation protein 1) (TRAC-1)		15.1129	-19.64	0.032412	1382	10	1	7 [+]
RNF186	RING finger protein 186		15.1278	-16.53	0.032444	991	18	5	29 [+]
RNMTL1	RNA methyltransferase like 1		14.7814	-17.1	0.032497	140	5	4	16 [+]
RNMTL1	RNA methyltransferase like 1		14.2065	-11.75	0.03261	1239	12	3	13 [+]
RPA1	Replication protein A 70 kDa DNA-binding subunit (RP-A) (RF-A) (Replication factor-A protein 1) (Single-stranded DNA-binding protein) (p70)		15.1225	-17.53	0.03262	278	13	1	43 [+]
RPL3	60S ribosomal protein L3 (HIV-1 TAR RNA-binding protein B) (TARBP-B)		15.1225	-13.88	0.03262	282	15	7	63 [+]
RPS12	40S ribosomal protein S12		15.1225	-14.92	0.03262	255	15	1	39 [+]
RPS14	40S ribosomal protein S14		15.105	-15.4	0.032673	422	19	1	38 [+]

RPSAP15	40S ribosomal protein SA (p40) (34/67 kDa laminin receptor) (Colon carcinoma laminin-binding protein) (NEM/1CHD4) (Multidrug resistance- associated protein MGr1-Ag)		15.1203	-16.23	0.032695	1477	10	1	8 [+]
RRAD	GTP-binding protein RAD (RAS associated with diabetes) (RAD1)		15.1183	-16.23	0.032762	1479	14	4	12 [+]
RTCD1	RNA 3'-terminal phosphate cyclase (EC 6.5.1.4) (RNA-3'-phosphate cyclase) (RNA cyclase)		15.1018	-20.89	0.032779	1000	11	1	12 [+]
RUFY2	RUN and FYVE domain-containing protein 2 (Rab4-interacting protein related)		15.1018	-25.08	0.032779	1000	13	1	14 [+]
S100A12	Protein S100-A12 (S100 calcium-binding protein A12) (Calgranulin-C) (CAGC) (CGRP) (Neutrophil S100 protein) (Calcium-binding protein in amniotic fluid 1) (CAAF1) (p6) [Contains: Calcitermin]		15.1018	-23.25	0.032779	1000	9	1	13 [+]
SAP30L	Sin3A associated protein p30-like		15.1018	-20.89	0.032779	1000	11	1	12 [+]
SATB2	DNA-binding protein SATB2 (Special AT-rich sequence-binding protein 2)		14.8919	-14.51	0.032873	832	17	5	24 [+]
SCFD2	Sec1 family domain-containing protein 2 (Syntaxin-binding protein 1- like 1)		15.114	-17.36	0.032911	1000	8	1	11 [+]
SCGB2A2	Mammaglobin-A precursor (Mammaglobin-1) (Secretoglobin family 2A member 2)		15.0968	-18.36	0.032946	1000	14	2	15 [+]
SCGB3A2	Secretoglobin family 3A member 2 precursor (Uteroglobin-related protein 1) (Pneumo secretory protein 1) (PnSP-1)		15.0952	-14.29	0.033001	1000	15	1	17 [+]
SCML4	sex comb on midleg-like 4		15.094	-14.92	0.033041	832	17	1	18 [+]
SCN2A	Sodium channel protein type 2 subunit alpha (Sodium channel protein type II subunit alpha) (Voltage-gated sodium channel subunit alpha Nav1.2) (Sodium channel protein, brain II subunit alpha) (HBSC II)		15.0904	-14.51	0.033164	1000	19	1	23 [+]

SCN8A	Sodium channel protein type 8 subunit alpha (Sodium channel protein type VIII subunit alpha) (Voltage-gated sodium channel subunit alpha Nav1.6)		15.0888	-14.51	0.033218	1000	15	1	18 [+]
SDCCAG8	Serologically defined colon cancer antigen 8 (Centrosomal colon cancer autoantigen protein) (hCCCAP) (Antigen NY-CO-8)		15.0829	-14.92	0.033419	838	17	1	18 [+]
SDF2L1	Stromal cell-derived factor 2-like protein 1 precursor (SDF2-like protein 1) (PWP1-interacting protein 8)		14.2043	-13.57	0.03386	808	23	6	34 [+]
SEC11A	Signal peptidase complex catalytic subunit SEC11A (EC 3.4.-.-) (SEC11 homolog A) (SEC11-like protein 1) (Microsomal signal peptidase 18 kDa subunit) (SPase 18 kDa subunit) (SPC18) (Endopeptidase SP18)		15.0824	-21.59	0.034008	832	8	1	10 [+]
SEC61A2	Protein transport protein Sec61 subunit alpha isoform 2 (Sec61 alpha- 2)		15.0556	-13.18	0.034361	1383	3	1	3 [+]
SEMA3B	Semaphorin-3B precursor (Semaphorin V) (Sema V) (Sema A(V))		15.0554	-11.39	0.034366	1000	9	1	11 [+]
SEMG1	Semenogelin-1 precursor (Semenogelin I) (SGI) [Contains: Alpha- inhibin-92; Alpha-inhibin-31; Seminal basic protein]		14.554	-9.84	0.034459	134	8	7	31 [+]
SEMG2	Semenogelin-2 precursor (Semenogelin II) (SGII)		15.0525	-14.1	0.034469	334	15	1	33 [+]
SEPHS2	selenophosphate synthetase 2 (SEPHS2), mRNA		15.0512	-14.52	0.034513	436	20	1	35 [+]
SERPINB6	Serpin B6 (Placental thrombin inhibitor) (Cytoplasmic antiproteinase) (CAP) (Protease inhibitor 6) (PI-6)		15.0474	-14.1	0.034647	335	19	6	55 [+]
SETBP1	SET-binding protein (SEB)		15.0461	-14.51	0.034694	1000	9	1	12 [+]
SEZ6L2	seizure related 6 homolog (mouse)-like 2 isoform 1		15.0622	-13.6	0.034727	1000	15	1	17 [+]

SFRS8	Splicing factor, arginine/serine-rich 8 (Suppressor of white apricot protein homolog)		15.0605	-16.36	0.034788	1000	15	1	16 [+]
SH2B1	SH2 domain-containing putative adapter SH2-B		15.0421	-16.03	0.034836	572	23	1	35 [+]
SHQ1	SHQ1 homolog		15.0354	-18.46	0.035073	810	14	1	19 [+]
SHQ1	SHQ1 homolog		15.0337	-9.89	0.035134	324	14	1	38 [+]
SIRPB1	Signal-regulatory protein beta-1 precursor (SIRP-beta-1) (CD172b antigen)		15.0476	-11.85	0.035254	1000	11	1	14 [+]
SIRT3	NAD-dependent deacetylase sirtuin-3, mitochondrial precursor (EC 3.5.1.-) (SIR2-like protein 3) (hSIRT3)		14.6677	-15.68	0.035293	173	10	4	46 [+]
SKP2	S-phase kinase-associated protein 2 (F-box protein Skp2) (Cyclin A/CDK2-associated protein p45) (p45skp2) (F-box/LRR-repeat protein 1)		15.0448	-20.36	0.035358	1110	14	1	11 [+]
SLC12A1	Solute carrier family 12 member 1 (Bumetanide-sensitive sodium- (potassium)-chloride cotransporter 2) (Kidney-specific Na-K-Cl symporter)		15.0445	-22.18	0.035367	1000	7	1	7 [+]
SLC14A2	Urea transporter, kidney		15.0267	-17.82	0.035386	879	13	1	21 [+]
SLC1A7	Excitatory amino acid transporter 5 (Solute carrier family 1 member 7) (Retinal glutamate transporter)		15.0177	-8.82	0.035712	319	16	1	44 [+]
SLC20A2	Solute carrier family 20, member 2		15.0151	-13.37	0.035805	365	15	1	37 [+]
SLC22A2	Solute carrier family 22 member 2		15.0088	-21.55	0.036035	300	15	3	50 [+]
SLC23A3	Non-homologous end-joining factor 1 (Protein cernunnos) (XRCC4-like factor)		15.0088	-15.86	0.036035	265	17	1	44 [+]
SLC25A19	Mitochondrial deoxynucleotide carrier (Solute carrier family 25 member 19) (Mitochondrial uncoupling protein 1)		15.0088	-13.19	0.036035	82	5	1	11 [+]
SLC25A35	Solute carrier family 25, member 35		15.0088	-12.46	0.036035	218	12	1	32 [+]

SLC2A11	Solute carrier family 2, facilitated glucose transporter member 11 (Glucose transporter type 11) (Glucose transporter type 10)		15.0088	-9.18	0.036035	161	8	1	25 [+]
SLC30A6	Solute carrier family 30 (zinc transporter), member 6		15.0064	-16.03	0.036125	585	23	1	33 [+]
SLC33A1	Acetyl-coenzyme A transporter 1 (AT-1) (Acetyl-CoA transporter) (Solute carrier family 33 member 1)		15.023	-15.9	0.036166	1000	12	1	11 [+]
SLC35B3	Solute carrier family 35 member B3		15.0039	-14.92	0.036217	882	18	1	19 [+]
SLC35B3	Solute carrier family 35 member B3		15.0018	-18.13	0.036293	1000	16	3	19 [+]
SLC38A6	N system amino acid transporter NAT-1		15.0018	-13.26	0.036293	1000	13	1	13 [+]
SLC4A11	Sodium bicarbonate transporter-like protein 11 (Sodium borate cotransporter 1) (NaBC1) (Bicarbonate transporter-related protein 1) (Solute carrier family 4 member 11)		15.0018	-20.12	0.036293	1000	4	1	4 [+]
SLC4A2	Anion exchange protein 2 (Non-erythroid band 3-like protein) (AE2 anion exchanger) (Solute carrier family 4 member 2) (BND3L)		15.0018	-19.29	0.036293	1000	7	1	7 [+]
SLC6A3	Sodium-dependent dopamine transporter (DA transporter) (DAT)		14.9198	-15.18	0.036379	1000	13	2	14 [+]
SMARCA2	Probable global transcription activator SNF2L2 (EC 3.6.1.-) (ATP- dependent helicase SMARCA2) (SNF2-alpha) (SWI/SNF-related matrix- associated actin-dependent regulator of chromatin subfamily A member 2) (hBRM)		15.0139	-16.65	0.036509	1000	22	6	38 [+]
SMARCA2	Probable global transcription activator SNF2L2 (EC 3.6.1.-) (ATP- dependent helicase SMARCA2) (SNF2-alpha) (SWI/SNF-related matrix- associated actin-dependent regulator of chromatin subfamily A member 2) (hBRM)		15.0139	-23.23	0.036509	1000	12	1	13 [+]

SMARCA2	Probable global transcription activator SNF2L2 (EC 3.6.1.-) (ATP- dependent helicase SMARCA2) (SNF2-alpha) (SWI/SNF-related matrix- associated actin-dependent regulator of chromatin subfamily A member 2) (hBRM)		14.9927	-15.89	0.036632	1242	7	1	7 [+]
SMARCA2	Probable global transcription activator SNF2L2 (EC 3.6.1.-) (ATP- dependent helicase SMARCA2) (SNF2-alpha) (SWI/SNF-related matrix- associated actin-dependent regulator of chromatin subfamily A member 2) (hBRM)		15.0088	-13.01	0.0367	183	10	3	42 [+]
SMARCA2	Probable global transcription activator SNF2L2 (EC 3.6.1.-) (ATP- dependent helicase SMARCA2) (SNF2-alpha) (SWI/SNF-related matrix- associated actin-dependent regulator of chromatin subfamily A member 2) (hBRM)		15.0088	-13.23	0.0367	289	12	1	25 [+]
SMARCA2	Probable global transcription activator SNF2L2 (EC 3.6.1.-) (ATP- dependent helicase SMARCA2) (SNF2-alpha) (SWI/SNF-related matrix- associated actin-dependent regulator of chromatin subfamily A member 2) (hBRM)		15.0088	-16.11	0.0367	196	11	8	38 [+]
SMCHD1	Structural maintenance of chromosomes flexible hinge domain-containing protein 1		14.9875	-16.15	0.036823	611	14	1	21 [+]
SMG1_HUMAN	Serine/threonine-protein kinase SMG1 (EC 2.7.11.1) (SMG-1) (hSMG-1) (Lambda/iota protein kinase C-interacting protein) (Lambda-interacting protein) (61E3.4)		14.4017	-12.97	0.036921	1000	18	3	24 [+]

SMG1_HUMAN	Serine/threonine-protein kinase SMG1 (EC 2.7.11.1) (SMG-1) (hSMG-1) (Lambda/iota protein kinase C-interacting protein) (Lambda-interacting protein) (61E3.4)		14.2317	-17.68	0.036958	2703	6	5	7 [+]
SMPD4	Sphingomyelin phosphodiesterase 4 (EC 3.1.4.12) (Neutral sphingomyelinase 3) (Neutral sphingomyelinase III) (nSMase3) (nSMase- 3)		15.0018	-21.55	0.036968	1000	12	1	13 [+]
SMPX	Small muscular protein (Stretch-responsive skeletal muscle protein)		15.0018	-18.59	0.036968	1000	15	1	17 [+]
SMS	Spermine synthase (EC 2.5.1.22) (Spermidine aminopropyltransferase) (SPMSY)		15.0018	-19.86	0.036968	1000	17	1	19 [+]
SMS	Spermine synthase (EC 2.5.1.22) (Spermidine aminopropyltransferase) (SPMSY)		15.0018	-12.56	0.036968	1000	16	1	20 [+]
SNX1	Sorting nexin-1		15.0018	-22.18	0.036968	1000	7	1	8 [+]
SNX17	Sorting nexin-17		15.0018	-24.18	0.036968	1000	17	1	17 [+]
SNX3	Sorting nexin-3 (Protein SDP3)		15.0018	-15.43	0.036968	1000	11	1	12 [+]
SORL1	Sortilin-related receptor precursor (Sorting protein-related receptor containing LDLR class A repeats) (SorLA) (SorLA-1) (Low-density lipoprotein receptor relative with 11 ligand-binding repeats) (LDLR relative with 11 ligand-binding repeats) (LR11)		14.9835	-13.58	0.036975	384	17	1	56 [+]
SP140	Nuclear body protein SP140 (Nuclear autoantigen Sp-140) (Speckled 140 kDa) (LYSp100 protein) (Lymphoid-restricted homolog of Sp100)		14.9815	-13.49	0.03705	520	17	1	21 [+]
SP7	Transcription factor Sp7 (Zinc finger protein osterix)		14.9985	-17.94	0.037096	550	18	1	33 [+]

SPACA5	Sperm acrosome-associated protein 5 precursor (EC 3.2.1.17) (Lysozyme- like protein 5) (Sperm-specific lysozyme-like protein X) (SLLP-X)		14.9952	-23.33	0.037221	879	7	1	7 [+]
SPANXN5	SPANX family, member N5		14.9748	-15.05	0.037302	638	14	1	21 [+]
SPATC1	spermatogenesis and centriole associated 1		14.9738	-11.25	0.03734	350	16	1	45 [+]
SPG7	Paraplegin (EC 3.4.24.-) (Spastic paraplegia protein 7)		14.9709	-12.06	0.037452	458	21	1	40 [+]
SPIRE1	Spire homolog 1		14.9693	-18.29	0.037511	1357	9	1	10 [+]
SPP1	Osteopontin precursor (Bone sialoprotein-1) (Secreted phosphoprotein 1) (SPP-1) (Urinary stone protein) (Nephropontin) (Uropontin)		14.9669	-12.91	0.037601	614	16	1	25 [+]
SPTBN4	Spectrin beta chain, brain 3 (Spectrin, non-erythroid beta chain 3) (Beta-IV spectrin)		14.9669	-12.91	0.037601	614	15	1	25 [+]
SQRDL	Sulfide:quinone oxidoreductase, mitochondrial precursor (EC 1.-.-.-)		14.9655	-18.17	0.037655	329	16	4	35 [+]
SRD5A1	3-oxo-5-alpha-steroid 4-dehydrogenase 1 (EC 1.3.99.5) (Steroid 5- alpha-reductase 1) (SR type 1) (S5AR)		14.9645	-17.35	0.037695	897	15	1	19 [+]
SRGAP1	SLIT-ROBO Rho GTPase-activating protein 1 (srGAP1) (Rho GTPase-activating protein 13)		14.9643	-11.24	0.037703	352	17	1	44 [+]
SSX2_HUMAN	Protein SSX2 (Synovial sarcoma, X breakpoint 2) (SSX) (HOM-MEL-40)		14.9604	-13.41	0.037851	330	17	5	47 [+]
SSX2_HUMAN	Protein SSX2 (Synovial sarcoma, X breakpoint 2) (SSX) (HOM-MEL-40)		14.9569	-13.58	0.037986	390	17	2	56 [+]
SSX3	Protein SSX3		14.9562	-17.14	0.038011	789	13	2	13 [+]
SSX7	Protein SSX7		14.8603	-17.69	0.038107	672	16	4	30 [+]
ST6GALNAC2	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2 (EC 2.4.99.-) (GalNAc alpha-2,6-sialyltransferase II) (ST6GalNAc II) (Sialyltransferase 7B) (SThM)		14.9534	-16.66	0.038121	430	17	1	35 [+]

STATH	Statherin precursor		14.97	-21.59	0.038207	891	8	1	10 [+]
STK24	Serine/threonine-protein kinase 24 (EC 2.7.11.1) (STE20-like kinase MST3) (MST-3) (Mammalian STE20-like protein kinase 3)		14.948	-14.82	0.03833	531	24	1	32 [+]
STK32C	Serine/threonine-protein kinase 32C (EC 2.7.11.1) (PKE) (YANK3)		14.9662	-15.85	0.038357	1000	7	1	7 [+]
STRN3	Striatin-3 (Cell-cycle autoantigen SG2NA) (S/G2 antigen)		14.9463	-13.39	0.038398	465	20	1	35 [+]
SUPT4H1	RING finger protein 43 precursor		14.9452	-10.99	0.038439	333	17	1	45 [+]
SURF4	Surfeit locus protein 4		14.9422	-13.92	0.038557	436	17	1	45 [+]
SUSD4	Sushi domain-containing protein 4 precursor		14.9411	-17.35	0.0386	911	14	1	18 [+]
SUZ12P	SUZ12P protein		14.9384	-15.19	0.038704	437	23	3	61 [+]
SVEP1	polydom		14.9372	-16.66	0.03875	434	20	5	51 [+]
SYN2	Synapsin-2 (Synapsin II)		14.936	-15.47	0.038798	535	17	1	34 [+]
TAS1R1	Taste receptor type 1 member 1 precursor (G-protein coupled receptor 70)		14.9551	-25.51	0.038799	1000	12	4	22 [+]
TAS2R1	Taste receptor type 2 member 1 (T2R1) (Taste receptor family B member 7) (TBB7)		14.9548	-14.94	0.03881	354	15	1	38 [+]
TAS2R16	Taste receptor type 2 member 16 (T2R16)		14.9339	-17.98	0.038882	1213	14	5	14 [+]
TAS2R42	Taste receptor type 2 member 42 (T2R42) (T2R55)		14.9473	-13.03	0.039114	568	14	4	25 [+]
TBC1D21	TBC1 domain family member 21		14.9259	-14.78	0.039199	1000	10	1	11 [+]
TBCD	Tubulin-specific chaperone D (Tubulin-folding cofactor D) (Beta- tubulin cofactor D) (tfcD) (SSD-1)		14.9438	-19.57	0.039254	381	16	1	35 [+]
TBCD	Tubulin-specific chaperone D (Tubulin-folding cofactor D) (Beta- tubulin cofactor D) (tfcD) (SSD-1)		14.9228	-19.05	0.03932	1000	13	1	14 [+]
TBR1	T-brain-1 protein (T-box brain protein 1) (TBR-1) (TES-56)		14.9224	-19.53	0.039338	577	21	5	46 [+]
TCEAL4	Transcription elongation factor A protein-like 4 (TCEA-like protein 4) (Transcription elongation factor S-II protein-like 4)		14.9199	-14.51	0.039438	817	8	1	9 [+]

TCERG1L	transcription elongation regulator 1-like		14.1755	-13.24	0.039621	1173	18	2	14 [+]
TCHP	trichoplein		14.9138	-15.14	0.039683	1000	24	3	32 [+]
TCN2	Transcobalamin-2 precursor (Transcobalamin II) (TCII) (TC II)		14.9084	-12.36	0.039897	364	17	1	30 [+]
TDRD1	Tudor domain-containing protein 1		14.9018	-12.54	0.040167	1000	12	1	14 [+]
TDRD5	Tudor domain-containing protein 5		14.9018	-26.43	0.040167	1000	15	1	17 [+]
TDRD6	Tudor domain-containing protein 6 (Antigen NY-CO-45)		14.9018	-17.92	0.040167	1000	12	1	14 [+]
TEX15	Testis-expressed sequence 15 protein		14.9018	-24.47	0.040167	1000	11	1	16 [+]
TEX28_HUMAN	Testis-specific protein TEX28		14.9168	-16.65	0.040366	1000	17	2	22 [+]
TEX28P1	Testis-specific protein TEX28		14.8951	-20.85	0.040439	203	8	1	22 [+]
TEX28P2	Testis-specific protein TEX28		14.8951	-14.94	0.040439	229	13	1	47 [+]
TFAP2E	Transcription factor AP-2 epsilon (activating enhancer binding protein 2 epsilon)		14.8951	-10.24	0.040439	152	8	1	24 [+]
TFAP2E	Transcription factor AP-2 epsilon (activating enhancer binding protein 2 epsilon)		14.8951	-11.26	0.040439	165	10	5	48 [+]
TGIF1	Homeobox protein TGIF1 (5'-TG-3'-interacting factor 1)		14.8951	-18.19	0.040439	72	4	1	13 [+]
TGM2	Protein-glutamine gamma-glutamyltransferase 2 (EC 2.3.2.13) (Tissue transglutaminase) (TGase C) (TGC) (TG(C)) (Transglutaminase-2) (TGase- H)		14.8951	-10.24	0.040439	296	17	1	57 [+]
THRAP6	Thyroid hormone receptor-associated protein 6 (Thyroid hormone receptor-associated protein complex 25 kDa component) (Trap25) (TRAP/Mediator complex component TRAP25) (MED30)		14.8951	-10.24	0.040439	152	8	1	24 [+]
THSD7A	Thrombospondin type-1 domain-containing protein 7A precursor		14.8951	-14.62	0.040439	206	12	1	39 [+]
TIAM2	Putative RNA-binding protein 16 (RNA-binding motif protein 16)		14.8951	-10.24	0.040439	152	7	1	23 [+]

TIMM22	Mitochondrial import inner membrane translocase subunit Tim22 (Testis-expressed sequence 4)		14.9138	-14.14	0.040491	1000	4	2	4 [+]
TIMM8A	Mitochondrial import inner membrane translocase subunit Tim8 A (Deafness dystonia protein 1) (X-linked deafness dystonia protein)		14.9138	-20.72	0.040492	388	19	7	58 [+]
TLE1	Transducin-like enhancer protein 1 (ESG1) (E(Sp1) homolog)		14.8937	-14.11	0.040496	822	17	6	30 [+]
TLE2	Transducin-like enhancer protein 2 (ESG2)		14.8913	-19.72	0.040594	1077	16	3	23 [+]
TLN1	Talin-1		14.8863	-11.14	0.040799	552	19	1	23 [+]
TLR4	Toll-like receptor 4 precursor (hToll) (CD284 antigen)		14.8863	-25.51	0.0408	1512	13	1	12 [+]
TM2D1	β-Amyloid binding protein precursor		14.8829	-25.12	0.040942	2112	8	2	8 [+]
TM7SF3	Transmembrane 7 superfamily member 3 precursor (Seven span transmembrane protein)		14.9018	-14.41	0.040996	1000	14	1	17 [+]
TMC1	Transmembrane channel-like protein 1 (Transmembrane cochlear-expressed protein 1)		14.9018	-14.84	0.040996	1000	9	1	9 [+]
TMED5	Transmembrane emp24 domain-containing protein 5 precursor		14.9018	-18.64	0.040996	1000	13	1	13 [+]
TMEM149	Transmembrane protein 149		14.9018	-18.57	0.040996	1000	15	2	15 [+]
TMEM163	Transmembrane protein 163		14.4213	-21.23	0.041024	1763	8	4	7 [+]
TMEM2	Transmembrane protein 2		14.875	-15.3	0.041272	1000	12	2	13 [+]
TMEM38B	Transmembrane protein 38B		14.8951	-14.89	0.041279	322	16	3	61 [+]
TMEM38B	Transmembrane protein 38B		14.8951	-14.89	0.041279	321	14	1	44 [+]
TMEM4	MIR-interacting saposin-like protein precursor (Transmembrane protein 4) (Putative secreted protein ZSIG9)		14.8951	-17.46	0.041279	193	11	1	29 [+]
TMEM41B	Transmembrane protein 41B		14.8951	-13.18	0.041279	225	13	5	44 [+]
TMEM52	Transmembrane protein 52 precursor		14.3017	-13.83	0.041372	1000	15	2	15 [+]

TMPO	Lamina-associated polypeptide 2, isoforms beta/gamma (Thymopoietin, isoforms beta/gamma) (TP beta/gamma) (Thymopoietin-related peptide isoforms beta/gamma) (TPRP isoforms beta/gamma) [Contains: Thymopoietin (TP) (Splenin); Thymopentin (TP5)]		14.8721	-14.82	0.041392	557	22	1	27 [+]
TMPO	Lamina-associated polypeptide 2, isoforms beta/gamma (Thymopoietin, isoforms beta/gamma) (TP beta/gamma) (Thymopoietin-related peptide isoforms beta/gamma) (TPRP isoforms beta/gamma) [Contains: Thymopoietin (TP) (Splenin); Thymopentin (TP5)]		14.4547	-14	0.041518	1000	17	5	21 [+]
TMUB1	Transmembrane and ubiquitin-like domain-containing protein 1 (Ubiquitin-like protein SB144)		14.8676	-13.18	0.041581	1605	2	1	2 [+]
TNPO1	Transportin-1 (Importin beta-2) (Karyopherin beta-2) (M9 region interaction protein) (MIP)		14.8614	-19.11	0.041842	734	19	4	26 [+]
TOX3	Trinucleotide repeat containing 9		14.4017	-21.76	0.041878	1000	20	3	24 [+]
TOX3	Trinucleotide repeat containing 9		14.8563	-20.4	0.042059	1000	12	1	13 [+]
TP73	Tumor protein p73 (p53-like transcription factor) (p53-related protein)		14.8563	-22.44	0.042059	1000	8	1	11 [+]
TRAF3IP3	TRAF3-interacting JNK-activating modulator (TRAF3-interacting protein 3)		14.8557	-12.91	0.042082	655	15	1	23 [+]
TRAF4	TNF receptor-associated factor 4 (Cysteine-rich domain associated with RING and Traf domains protein 1) (Malignant 62) (RING finger protein 83)		14.8526	-9.85	0.042215	352	21	1	41 [+]
TRAT1	T-cell receptor-associated transmembrane adapter 1 (T-cell receptor- interacting molecule) (TRIM) (pp29/30)		14.873	-14.98	0.042234	455	20	4	46 [+]

TRDMT1	tRNA (cytosine-5-)-methyltransferase (EC 2.1.1.29) (DNA (cytosine-5)-methyltransferase-like protein 2) (Dnmt2) (DNA methyltransferase homolog HsaIIP) (DNA MTase homolog HsaIIP) (M.HsaIIP) (PuMet)		14.7728	-15.9	0.042322	1646	5	2	6 [+]
TRIAP1	TP53-regulated inhibitor of apoptosis 1 (p53-inducible cell-survival factor) (p53CSV) (Protein 15E1.1) (WF-1)		14.8457	-10.98	0.042508	520	17	1	31 [+]
TRIM38	Tripartite motif-containing protein 38 (RING finger protein 15) (Zinc finger protein RoRet)		14.8457	-10.98	0.042508	519	18	3	42 [+]
TRIM38	Tripartite motif-containing protein 38 (RING finger protein 15) (Zinc finger protein RoRet)		14.5453	-11.84	0.042689	593	19	6	36 [+]
TRIM4	Tripartite motif-containing protein 4 (RING finger protein 87)		14.8409	-12.81	0.042717	1000	12	1	12 [+]
TRIM63	Ubiquitin ligase TRIM63 (EC 6.3.2.-) (Tripartite motif-containing protein 63) (Muscle-specific RING finger protein 1) (MuRF1) (MURF-1) (RING finger protein 28) (Striated muscle RING zinc finger protein) (Iris RING finger protein)		14.8409	-16.81	0.042717	1000	10	1	16 [+]
TRIM72	Tripartite motif-containing protein 72		14.8402	-18.36	0.042745	1196	8	1	9 [+]
TRPM6	Transient receptor potential cation channel subfamily M member 6 (EC 2.7.11.1) (Channel kinase 2) (Melastatin-related TRP cation channel 6)		14.8393	-10.98	0.042785	522	17	1	31 [+]
TRPT1	tRNA 2'-phosphotransferase 1 (EC 2.7.1.160)		14.8368	-14.46	0.042892	1000	10	1	9 [+]
TSC22D4	TSC22 domain family protein 4 (TSC22-related-inducible leucine zipper protein 2) (Tsc-22-like protein THG-1)		14.83	-14.01	0.04319	650	14	1	19 [+]
TSPAN32	Tetraspanin-32 (Protein Phemx)		14.851	-22.88	0.043205	1194	9	1	7 [+]
TSPAN32	Tetraspanin-32 (Protein Phemx)		14.3132	-15.49	0.04324	1000	15	3	15 [+]

TTLL11	Tubulin--tyrosine ligase-like protein 11		14.8287	-17.82	0.043244	1000	11	1	14 [+]
TTN	Titin (EC 2.7.11.1) (Connectin) (Rhabdomyosarcoma antigen MU-RMS-40.14)		14.8287	-16.25	0.043244	1000	12	1	13 [+]
TUBB2A	Tubulin beta-2A chain		14.8272	-20.93	0.04331	1000	12	1	11 [+]
TUBGCP6	Gamma-tubulin complex component 6 (GCP-6)		14.8483	-17.74	0.043321	847	14	4	16 [+]
TUSC5	Tumor suppressor candidate 5 (TUSC5), mRNA		14.8265	-15.32	0.04334	1212	6	1	6 [+]
TXN2	Thioredoxin, mitochondrial precursor (Mt-Trx) (MTRX) (Thioredoxin-2)		14.8245	-14.29	0.043427	1187	8	1	7 [+]
UBAP2L	Ubiquitin-associated protein 2-like (Protein NICE-4)		14.8188	-18.69	0.043678	1565	5	1	5 [+]
UBE2E4P	Ubiquitin-conjugating enzyme E2 E3 (EC 6.3.2.19) (Ubiquitin-protein ligase E3) (Ubiquitin carrier protein E3) (Ubiquitin-conjugating enzyme E2-23 kDa) (UbcH9) (UbcM2)		14.8182	-20.38	0.043707	1000	4	1	5 [+]
UBE2M	NEDD8-conjugating enzyme Ubc12 (EC 6.3.2.-) (Ubiquitin-conjugating enzyme E2 M) (NEDD8 protein ligase) (NEDD8 carrier protein)		14.8152	-12.57	0.043839	1000	12	1	10 [+]
UBE4A	Ubiquitin conjugation factor E4 A		14.8141	-17.43	0.043888	1000	10	1	9 [+]
UGCGL2	UDP-glucose:glycoprotein glucosyltransferase 2 precursor (EC 2.4.1.-) (UDP-glucose ceramide glucosyltransferase-like 1) (UDP-- Glc:glycoprotein glucosyltransferase 2) (HUGT2)		14.8137	-14.92	0.043905	1000	17	1	17 [+]
UROS	Uroporphyrinogen-III synthase (EC 4.2.1.75) (UROS) (Uroporphyrinogen- III cosynthetase) (Hydroxymethylbilane hydrolyase [cyclizing]) (UROIIIS)		14.8121	-20.56	0.043975	1216	9	1	9 [+]

USP6	Ubiquitin carboxyl-terminal hydrolase 6 (EC 3.1.2.15) (Ubiquitin thioesterase 6) (Ubiquitin-specific-processing protease 6) (Deubiquitinating enzyme 6) (Proto-oncogene TRE-2)		14.8117	-14.61	0.043991	386	22	3	70 [+]
UXS1	UDP-glucuronic acid decarboxylase 1 (EC 4.1.1.35) (UDP-glucuronate decarboxylase 1) (UGD) (UXS-1)		14.8325	-15.68	0.044034	662	18	1	28 [+]
VAC14	Vac14 homolog		14.8082	-17.62	0.044148	2239	2	1	3 [+]
VAMP8	Vesicle-associated membrane protein 8 (VAMP-8) (Endobrevin) (EDB)		14.8274	-15.68	0.044266	664	18	1	28 [+]
VANGL1	Vang-like protein 1 (Van Gogh-like protein 1) (Strabismus 2) (Loop- tail protein 2 homolog) (LPP2)		14.8037	-10.09	0.044347	444	19	1	35 [+]
VDAC1	Voltage-dependent anion-selective channel protein 1 (VDAC-1) (hVDAC1) (Outer mitochondrial membrane protein porin 1) (Plasmalemmal porin) (Porin 31HL) (Porin 31HM)		14.8246	-14.48	0.044396	470	16	1	33 [+]
VDAC4	Voltage-dependent anion-selective channel protein 4 (VDAC-4) (Fragment)		14.8025	-13.03	0.044402	713	15	1	20 [+]
VIPR2	Vasoactive intestinal polypeptide receptor 2 precursor (VIP-R-2) (Pituitary adenylate cyclase-activating polypeptide type III receptor) (PACAP type III receptor) (PACAP-R-3) (Helodermin-preferring VIP receptor)		14.8018	-18.45	0.044435	1000	10	1	12 [+]
VLDLR	Very low-density lipoprotein receptor precursor (VLDL receptor) (VLDL- R)		14.8018	-19.82	0.044435	1000	11	1	12 [+]
VLDLR	Very low-density lipoprotein receptor precursor (VLDL receptor) (VLDL- R)		14.8018	-17.74	0.044435	1000	14	1	15 [+]
VPS18	Vacuolar protein sorting-associated protein 18 homolog (hVPS18)		14.8018	-18.12	0.044435	1000	6	1	9 [+]

VRK3	Serine/threonine-protein kinase VRK3 (EC 2.7.11.1) (Vaccinia-related kinase 3)		14.8018	-15.59	0.044435	1000	12	1	13 [+]
WBP2NL	WBP2 N-terminal like		14.8018	-16.03	0.044435	1000	14	1	20 [+]
WBP2NL	WBP2 N-terminal like		14.8018	-10.08	0.044435	1000	11	1	12 [+]
WBP5	WW domain-binding protein 5 (WBP-5)		14.8012	-24.25	0.044462	667	18	1	19 [+]
WBSCR17	Putative polypeptide N-acetylgalactosaminyltransferase-like protein 3 (EC 2.4.1.41) (Protein-UDP acetylgalactosaminyltransferase-like protein 3) (UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase- like protein 3) (Polypeptide GalNAc transferase-lik		14.8004	-13.03	0.044498	714	15	1	20 [+]
WDR13	WD repeat protein 13		14.799	-17	0.044558	1255	10	1	14 [+]
WDR13	WD repeat protein 13		14.8188	-16.81	0.044661	1493	6	2	6 [+]
WDR26	WD repeat protein 26 (CUL4- and DDB1-associated WDR protein 2) (Myocardial ischemic preconditioning up-regulated protein 2)		14.0853	-19.55	0.044746	1392	21	5	24 [+]
WDR44	WD repeat protein 44 (Rabphilin-11)		14.816	-14.5	0.044792	385	17	6	55 [+]
WDR44	WD repeat protein 44 (Rabphilin-11)		14.811	-20.51	0.045021	442	21	1	36 [+]
WDR44	WD repeat protein 44 (Rabphilin-11)		14.7884	-15.04	0.045036	1306	5	1	5 [+]
WDR47	WD repeat protein 47		14.8044	-14.84	0.04533	1104	11	1	10 [+]
WDR47	WD repeat protein 47		14.7814	-9.11	0.045355	299	15	1	42 [+]
WDR51A	WD repeat protein 51A		14.7814	-11.1	0.045355	273	15	1	43 [+]
WDR5B	WD repeat protein 5B		14.7814	-15.07	0.045355	279	14	1	47 [+]
WDR69	WD repeat protein 69		14.2409	-14.21	0.045452	372	20	6	60 [+]
WDR69	WD repeat protein 69		14.8018	-11.85	0.045452	1000	15	3	16 [+]
WDR8	WD repeat protein 8		14.8018	-17.56	0.045452	1000	14	1	15 [+]
WDR8	WD repeat protein 8		14.8018	-12.01	0.045452	1000	14	3	17 [+]

WHSC1L1	Histone-lysine N-methyltransferase NSD3 (EC 2.1.1.43) (Nuclear SET domain-containing protein 3) (WHSC1-like protein 1) (Wolf-Hirschhorn syndrome candidate 1-like protein 1) (Whistle) (WHSC1-like 1 isoform 9 with methyltransferase activity to lysine)		14.8017	-18.59	0.045455	363	16	1	46 [+]
WNK2	Serine/threonine-protein kinase WNK2 (EC 2.7.11.1) (Protein kinase with no lysine 2) (Protein kinase, lysine-deficient 2)		14.7727	-24.18	0.045753	1337	5	1	7 [+]
WNK2	Serine/threonine-protein kinase WNK2 (EC 2.7.11.1) (Protein kinase with no lysine 2) (Protein kinase, lysine-deficient 2)		14.7725	-16.16	0.045763	1020	12	3	16 [+]
WNT7B	Protein Wnt-7b precursor		14.7724	-16.08	0.045769	1887	7	1	7 [+]
XBP1	X box-binding protein 1 (XBP-1) (Tax-responsive element-binding protein 5)		14.2088	-11.75	0.045817	1027	14	6	17 [+]
XR_017738.1	CDNA FLJ11235 fis, clone PLACE1008488		14.7712	-12.47	0.045825	594	10	1	17 [+]
XR_017939.1	MGC4294 protein		14.7663	-12.93	0.046051	844	10	2	15 [+]
XRN2	5'-3' exoribonuclease 2 (EC 3.1.13.-) (DHM1-like protein) (DHP protein)		14.7651	-14.71	0.046107	1097	15	3	21 [+]
YY1AP1	YY1-associated protein 1 (Hepatocellular carcinoma susceptibility protein) (Hepatocellular carcinoma-associated protein 2)		14.7636	-14.31	0.046176	1000	15	2	20 [+]
YY1AP1	YY1-associated protein 1 (Hepatocellular carcinoma susceptibility protein) (Hepatocellular carcinoma-associated protein 2)		14.7605	-20.79	0.046319	1000	21	1	26 [+]
YY1AP1	YY1-associated protein 1 (Hepatocellular carcinoma susceptibility protein) (Hepatocellular carcinoma-associated protein 2)		14.7589	-20.46	0.046393	1000	20	1	24 [+]

YY1AP1	YY1-associated protein 1 (Hepatocellular carcinoma susceptibility protein) (Hepatocellular carcinoma-associated protein 2)		14.7018	-20.31	0.046401	1000	16	3	18 [+]
YY1AP1	YY1-associated protein 1 (Hepatocellular carcinoma susceptibility protein) (Hepatocellular carcinoma-associated protein 2)		14.7814	-17.63	0.046416	287	14	1	44 [+]
YYY4_HUMAN	Very putative protein from MEG3 locus		14.7814	-16.01	0.046416	201	9	1	21 [+]
ZBTB17	Zinc finger and BTB domain-containing protein 17 (Zinc finger protein 151) (Myc-interacting zinc finger protein) (Miz-1		14.7814	-16.01	0.046416	203	9	1	21 [+]
ZBTB17	Zinc finger and BTB domain-containing protein 17 (Zinc finger protein 151) (Myc-interacting zinc finger protein) (Miz-1 protein)		14.7814	-16.01	0.046416	202	9	1	21 [+]
ZBTB46	Zinc finger and BTB domain-containing protein 46 (BTB/POZ domain- containing protein 4) (Zinc finger protein 340)		14.7814	-16.01	0.046416	211	9	1	22 [+]
ZBTB8	Zinc finger and BTB domain-containing protein 8		14.7814	-16.01	0.046416	200	9	1	21 [+]
ZCCHC13	Zinc finger CCHC domain-containing protein 13		14.7571	-15.97	0.046479	373	20	6	61 [+]
ZCCHC13	Zinc finger CCHC domain-containing protein 13		14.7482	-15.58	0.046528	1000	16	2	30 [+]
ZCCHC7	Zinc finger CCHC domain-containing protein 7		14.7782	-18.46	0.046569	394	16	1	35 [+]
ZDHHC4	Probable palmitoyltransferase ZDHHC4 (EC 2.3.1.-) (Zinc finger DHHC domain-containing protein 4) (DHHC-4) (Zinc finger protein 374)		14.7776	-20.37	0.0466	1000	10	1	14 [+]

ZDHHC6	Probable palmitoyltransferase ZDHHC6 (EC 2.3.1.-) (Zinc finger DHHC domain-containing protein 6) (DHHC-6) (Zinc finger protein 376) (Transmembrane protein H4)		14.7532	-19.08	0.046662	1679	1	1	1 [+]
ZFAND3	AN1-type zinc finger protein 3 (Testis-expressed sequence 27)		14.7364	-15.81	0.046767	1740	7	2	7 [+]
ZFHX2	Zinc finger homeobox protein 2 (Zinc finger homeodomain protein 2) (ZFH-2)		14.7735	-16.23	0.046796	844	10	1	18 [+]
ZFX	Zinc finger X-chromosomal protein		14.7494	-17.14	0.046841	577	16	1	25 [+]
ZKSCAN3	Zinc finger protein 306 (Zinc finger protein 47 homolog) (Zfp-47) (Zf47) (Zinc finger and SCAN domain-containing protein 13)		14.318	-13.18	0.047084	1000	14	2	22 [+]
ZKSCAN3	Zinc finger protein 306 (Zinc finger protein 47 homolog) (Zfp-47) (Zf47) (Zinc finger and SCAN domain-containing protein 13)		14.7651	-20.77	0.047201	1000	9	1	10 [+]
ZNF124	Zinc finger protein 124 (HZF-16)		14.7648	-11.63	0.047215	782	7	1	10 [+]
ZNF169	Zinc finger protein 169		14.7406	-16.68	0.047255	1000	7	1	7 [+]
ZNF2	Zinc finger protein 2 (Zinc finger 2.2) (Zinc finger protein 661)		14.7404	-14.67	0.047264	1207	10	1	11 [+]
ZNF3	Zinc finger protein 38 (Zinc finger protein KOX25) (Zinc finger protein HF.12) (Zinc finger protein 3) (HZF3.1)		14.7615	-14.48	0.047379	484	17	2	32 [+]
ZNF347	Zinc finger protein 347 (Zinc finger protein 1111)		14.7376	-14.79	0.047399	1000	20	4	27 [+]
ZNF35	Zinc finger protein 35 (Zinc finger protein HF.10)		14.7376	-12.07	0.047399	984	19	5	23 [+]
ZNF350	Zinc finger protein 350 (Zinc-finger protein ZBRK1) (Zinc finger and BRCA1-interacting protein with a KRAB domain 1) (KRAB zinc finger protein ZFQR)		14.7361	-11.89	0.047471	1000	10	1	12 [+]
ZNF382	Zinc finger protein 382 (KRAB/Zinc finger suppressor protein 1) (KS1)		14.7354	-18.56	0.047501	352	14	1	40 [+]
ZNF407	zinc finger protein 407		14.3933	-13.01	0.047603	663	21	3	35 [+]

ZNF434	Zinc finger protein 434		14.7331	-16.7	0.047613	464	23	4	59 [+]
ZNF444	Zinc finger protein 444 (Endothelial zinc finger protein 2) (EZF-2) (Zinc finger and SCAN domain-containing protein 17)		14.733	-14.42	0.047615	1000	11	1	12 [+]
ZNF446	Zinc finger protein 446		14.7543	-17.29	0.047728	1000	19	1	23 [+]
ZNF467	Zinc finger protein 467		14.7262	-14.61	0.047945	1000	10	1	17 [+]
ZNF508	Zinc finger protein 508		14.724	-18.11	0.048048	1000	9	1	16 [+]
ZNF534	Zinc finger protein 534 (Fragment)		14.3692	-16.03	0.048073	890	25	5	37 [+]
ZNF575	Zinc finger protein 575		14.7225	-19.99	0.04812	1000	11	1	12 [+]
ZNF576	Zinc finger protein 576		14.7216	-17.79	0.048166	625	14	1	31 [+]
ZNF655	Zinc finger protein 655 (Vav-interacting Krueppel-like protein)		14.7216	-21.91	0.048167	2386	3	1	3 [+]
ZNF683	Zinc finger protein 683		14.7204	-20.55	0.048225	512	16	9	54 [+]
ZNF696	Zinc finger protein 696		14.7195	-15.63	0.048264	1000	9	1	11 [+]
	NOT ANNOTATED		14.7434	-20.51	0.048267	461	22	1	36 [+]
	NOT ANNOTATED		14.7421	-18.12	0.048332	1000	6	1	8 [+]
	NOT ANNOTATED		14.7419	-18.08	0.048345	1462	8	1	8 [+]
	NOT ANNOTATED		14.7168	-12.55	0.048397	537	16	12	32 [+]
	NOT ANNOTATED		14.7151	-18.6	0.048481	1000	10	1	8 [+]
	NOT ANNOTATED		14.7134	-17.79	0.048561	594	14	1	31 [+]
	NOT ANNOTATED		14.7374	-22.32	0.048566	2922	5	7	5 [+]
	NOT ANNOTATED		14.7348	-14.07	0.048698	1153	13	3	15 [+]
	RIKEN cDNA C330018D20 gene. RIKEN cDNA C330018D20 gene . BY ORTHOLOGY TO:ENSRNOT00000018368		14.7105	-11.39	0.048706	409	18	7	55 [+]
	NOT ANNOTATED		14.7097	-10.67	0.048743	411	16	1	31 [+]
	NOT ANNOTATED		14.7083	-19.6	0.048812	869	11	1	14 [+]
	NOT ANNOTATED		14.7078	-15.81	0.048838	1130	7	1	9 [+]
	NOT ANNOTATED		14.7068	-15.9	0.048887	1725	5	1	4 [+]

	PREDICTED: Bos taurus hypothetical protein LOC782021 (LOC782021), mRNA. PREDICTED: Bos taurus hypothetical protein LOC782021 (LOC782021), mRNA BY ORTHOLOGY TO:ENSBTAT00000002160		14.7018	-16.24	0.049132	1000	9	1	12 [+]
	NOT ANNOTATED		14.7018	-13.28	0.049132	1000	10	1	11 [+]
	NOT ANNOTATED		14.7018	-13.42	0.049132	1000	22	5	26 [+]
	NOT ANNOTATED		14.7018	-12.86	0.049132	1000	11	1	10 [+]
	NOT ANNOTATED		14.7018	-14.87	0.049132	1000	15	2	18 [+]
	NOT ANNOTATED		14.7018	-13.28	0.049132	1000	12	1	14 [+]
	NOT ANNOTATED		14.7018	-17.25	0.049132	1000	13	3	16 [+]
	NOT ANNOTATED		14.7018	-26.9	0.049132	1000	12	1	17 [+]
	NOT ANNOTATED		14.3017	-14.1	0.049173	1000	19	7	26 [+]
	NOT ANNOTATED		14.6929	-18.51	0.049569	900	14	1	19 [+]
	gene model 1568, (NCBI) gene model 1568, (NCBI) BY ORTHOLOGY TO:ENSMUST00000073251		14.691	-16.84	0.049667	339	18	3	60 [+]
	NOT ANNOTATED		14.7153	-20.55	0.049683	755	16	1	20 [+]
	NOT ANNOTATED		14.6886	-15.02	0.049783	389	21	4	46 [+]
	NOT ANNOTATED		14.6886	-13.85	0.049784	1009	22	5	28 [+]

Supplementary Table 19. Predicted targets of hsa-miR-181a by miRWALK.

Gene	RefseqID	Seed Length	Start	Sequence	End	Region	P value	SPMS
AASS	NM_005763	9	5809	AACAUUCAA	5801	3 UTR	0.0112	1
AASS	NM_005763	8	5808	ACAUUCAA	5801	3 UTR	0.0442	2
AASS	NM_005763	9	5809	AACAUUCAA	5801	3 UTR	0.0112	1
AASS	NM_005763	8	5808	ACAUUCAA	5801	3 UTR	0.0442	2
ABCB11	NM_003742	7	4210	AACAUUC	4204	3 UTR	0.0408	1
ABCB11	NM_003742	7	4210	AACAUUC	4204	3 UTR	0.0408	1
ABI1	NM_005470	8	1831	ACAUUCAA	1824	3 UTR	0.0297	2
ABI1	NM_005470	8	1831	ACAUUCAA	1824	3 UTR	0.0297	2
ABLIM1	NM_001003408	9	3780	AACAUUCAA	3772	3 UTR	0.0195	1
ABLIM1	NM_001003408	9	3780	AACAUUCAA	3772	3 UTR	0.0195	1
ACBD4	NM_024722	7	1997	AACAUUC	1991	3 UTR	0.0378	1
ACBD4	NM_024722	7	1997	AACAUUC	1991	3 UTR	0.0378	1
ACBD6	NM_032360	7	1181	ACAUUCA	1175	3 UTR	0.0098	2
ACBD6	NM_032360	7	1181	ACAUUCA	1175	3 UTR	0.0098	2
ACMSD	NM_138326	7	1193	ACAUUCA	1187	3 UTR	0.0121	2
ACMSD	NM_138326	7	1193	ACAUUCA	1187	3 UTR	0.0121	2
ACN9	NM_020186	7	1950	ACAUUCA	1944	3 UTR	0.0335	2
ACN9	NM_020186	7	1950	ACAUUCA	1944	3 UTR	0.0335	2
ACRC	NM_052957	7	2439	ACAUUCA	2433	3 UTR	0.0360	2
ACRC	NM_052957	7	2439	ACAUUCA	2433	3 UTR	0.0360	2
ACSF3	NM_174917	8	2964	AACAUUCA	2957	3 UTR	0.0234	1
ACSF3	NM_174917	8	2964	AACAUUCA	2957	3 UTR	0.0234	1
ACSL1	NM_001995	9	3707	AACAUUCAA	3699	3 UTR	0.0059	1
ACSL1	NM_001995	8	3706	ACAUUCAA	3699	3 UTR	0.0233	2
ACSL1	NM_001995	9	3707	AACAUUCAA	3699	3 UTR	0.0059	1
ACSL1	NM_001995	8	3706	ACAUUCAA	3699	3 UTR	0.0233	2
ACSS3	NM_024560	8	2386	ACAUUCAA	2379	3 UTR	0.0134	2
ACSS3	NM_024560	8	2386	ACAUUCAA	2379	3 UTR	0.0134	2
ACTA2	NM_001613	7	1296	ACAUUCA	1290	3 UTR	0.0100	2
ACTA2	NM_001613	7	1296	ACAUUCA	1290	3 UTR	0.0100	2
ACTC1	NM_005159	8	2322	ACAUUCAA	2315	3 UTR	0.0347	2
ACTC1	NM_005159	8	2322	ACAUUCAA	2315	3 UTR	0.0347	2
ACTL6A	NM_178042	7	1606	AACAUUC	1600	3 UTR	0.0268	1
ACTL6A	NM_178042	7	1606	AACAUUC	1600	3 UTR	0.0268	1
ACTR2	NM_001005386	8	3392	ACAUUCAA	3385	3 UTR	0.0379	2

ACTR2	NM_001005386	8	3392	ACAUUCAA	3385	3 UTR	0.0379	2
ACVR2B	NM_001106	9	6762	AACAUUCAA	6754	3 UTR	0.0367	1
ACVR2B	NM_001106	9	6762	AACAUUCAA	6754	3 UTR	0.0367	1
ACYP1	NM_203488	9	595	AACAUUCAA	587	3 UTR	0.0017	1
ACYP1	NM_203488	8	594	ACAUUCAA	587	3 UTR	0.0068	2
ACYP1	NM_203488	9	595	AACAUUCAA	587	3 UTR	0.0017	1
ACYP1	NM_203488	8	594	ACAUUCAA	587	3 UTR	0.0068	2
ADAM28	NM_014265	8	3159	ACAUUCAA	3152	3 UTR	0.0123	2
ADAM28	NM_014265	8	3159	ACAUUCAA	3152	3 UTR	0.0123	2
ADAMTS8	NM_007037	7	3461	ACAUUCA	3455	3 UTR	0.0390	2
ADAMTS8	NM_007037	7	3461	ACAUUCA	3455	3 UTR	0.0390	2
ADCY9	NM_001116	8	7161	ACAUUCAA	7154	3 UTR	0.0467	2
ADCY9	NM_001116	8	6628	ACAUUCAA	6621	3 UTR	0.0467	2
ADCY9	NM_001116	8	7161	ACAUUCAA	7154	3 UTR	0.0467	2
ADCY9	NM_001116	8	6628	ACAUUCAA	6621	3 UTR	0.0467	2
ADH4	NM_000670	8	1259	ACAUUCAA	1252	3 UTR	0.0115	2
ADH4	NM_000670	8	1259	ACAUUCAA	1252	3 UTR	0.0115	2
ADM	NM_001124	7	1296	ACAUUCA	1290	3 UTR	0.0439	2
ADM	NM_001124	7	1296	ACAUUCA	1290	3 UTR	0.0439	2
ADRBK1	NM_001619	8	3388	ACAUUCAA	3381	3 UTR	0.0173	2
ADRBK1	NM_001619	8	3388	ACAUUCAA	3381	3 UTR	0.0173	2
AFF2	NM_002025	10	10612	AACAUUCAAC	10603	3 UTR	0.0089	1
AFF2	NM_002025	9	10611	ACAUUCAAC	10603	3 UTR	0.0350	2
AFF2	NM_002025	10	10612	AACAUUCAAC	10603	3 UTR	0.0089	1
AFF2	NM_002025	9	10611	ACAUUCAAC	10603	3 UTR	0.0350	2
AGPAT5	NM_018361	9	3349	AACAUUCAA	3341	3 UTR	0.0156	1
AGPAT5	NM_018361	9	3349	AACAUUCAA	3341	3 UTR	0.0156	1
AGT	NM_000029	8	2405	ACAUUCAA	2398	3 UTR	0.0094	2
AGT	NM_000029	8	2405	ACAUUCAA	2398	3 UTR	0.0094	2
AGXT	NM_000030	7	1570	AACAUUC	1564	3 UTR	0.0188	1
AGXT	NM_000030	7	1570	AACAUUC	1564	3 UTR	0.0188	1
AHR	NM_001621	10	4126	AACAUUCAAC	4117	3 UTR	0.0026	1
AHR	NM_001621	9	4125	ACAUUCAAC	4117	3 UTR	0.0102	2
AHR	NM_001621	10	4126	AACAUUCAAC	4117	3 UTR	0.0026	1
AHR	NM_001621	9	4125	ACAUUCAAC	4117	3 UTR	0.0102	2
AICDA	NM_020661	9	1532	AACAUUCAA	1524	3 UTR	0.0080	1
AICDA	NM_020661	8	1531	ACAUUCAA	1524	3 UTR	0.0318	2
AICDA	NM_020661	9	1532	AACAUUCAA	1524	3 UTR	0.0080	1

AICDA	NM_020661	8	1531	ACAUUCAA	1524	3 UTR	0.0318	2
AIM1L	NM_001039775	8	2332	AACAUUCA	2325	3 UTR	0.0017	1
AIM1L	NM_001039775	7	2331	ACAUUCA	2325	3 UTR	0.0066	2
AIM1L	NM_001039775	8	2332	AACAUUCA	2325	3 UTR	0.0017	1
AIM1L	NM_001039775	7	2331	ACAUUCA	2325	3 UTR	0.0066	2
AK3	NM_016282	9	2415	AACAUUCAA	2407	3 UTR	0.0069	1
AK3	NM_016282	8	2414	ACAUUCAA	2407	3 UTR	0.0274	2
AK3	NM_016282	9	2415	AACAUUCAA	2407	3 UTR	0.0069	1
AK3	NM_016282	8	2414	ACAUUCAA	2407	3 UTR	0.0274	2
AKAP4	NM_003886	7	2827	ACAUUCA	2821	3 UTR	0.0117	2
AKAP4	NM_003886	7	2827	ACAUUCA	2821	3 UTR	0.0117	2
AKAP6	NM_004274	8	10232	AACAUUCA	10225	3 UTR	0.0488	1
AKAP6	NM_004274	8	10232	AACAUUCA	10225	3 UTR	0.0488	1
AKAP7	NM_016377	9	2321	AACAUUCAA	2313	3 UTR	0.0070	1
AKAP7	NM_016377	8	2320	ACAUUCAA	2313	3 UTR	0.0275	2
AKAP7	NM_016377	9	2321	AACAUUCAA	2313	3 UTR	0.0070	1
AKAP7	NM_016377	8	2320	ACAUUCAA	2313	3 UTR	0.0275	2
AKAP9	NM_147171	7	12279	ACAUUCA	12273	3 UTR	0.0310	2
AKAP9	NM_147171	7	12279	ACAUUCA	12273	3 UTR	0.0310	2
AKT3	NM_005465	8	2506	ACAUUCAA	2499	3 UTR	0.0310	2
AKT3	NM_005465	8	2506	ACAUUCAA	2499	3 UTR	0.0310	2
ALDH9A1	NM_000696	8	1748	AACAUUCA	1741	3 UTR	0.0127	1
ALDH9A1	NM_000696	7	2312	ACAUUCA	2306	3 UTR	0.0499	2
ALDH9A1	NM_000696	7	1747	ACAUUCA	1741	3 UTR	0.0499	2
ALDH9A1	NM_000696	8	1748	AACAUUCA	1741	3 UTR	0.0127	1
ALDH9A1	NM_000696	7	2312	ACAUUCA	2306	3 UTR	0.0499	2
ALDH9A1	NM_000696	7	1747	ACAUUCA	1741	3 UTR	0.0499	2
ALG10	NM_032834	8	2815	ACAUUCAA	2808	3 UTR	0.0212	2
ALG10	NM_032834	8	2815	ACAUUCAA	2808	3 UTR	0.0212	2
ALG2	NM_033087	8	1450	ACAUUCAA	1443	3 UTR	0.0228	2
ALG2	NM_033087	8	1450	ACAUUCAA	1443	3 UTR	0.0228	2
ALG6	NM_013339	7	3264	AACAUUC	3258	3 UTR	0.0128	1
ALG6	NM_013339	7	3264	AACAUUC	3258	3 UTR	0.0128	1
ALS2CR12	NM_139163	7	1916	ACAUUCA	1910	3 UTR	0.0140	2
ALS2CR12	NM_139163	7	1916	ACAUUCA	1910	3 UTR	0.0140	2
AMAC1	NM_152462	7	1562	ACAUUCA	1556	3 UTR	0.0460	2
AMAC1	NM_152462	7	1562	ACAUUCA	1556	3 UTR	0.0460	2
ANKLE1	NM_152363	9	2171	AACAUUCAA	2163	3 UTR	0.0042	1

ANKLE1	NM_152363	8	2170	ACAUUCAA	2163	3 UTR	0.0165	2
ANKLE1	NM_152363	9	2171	AACAUUCAA	2163	3 UTR	0.0042	1
ANKLE1	NM_152363	8	2170	ACAUUCAA	2163	3 UTR	0.0165	2
ANKRD13C	NM_030816	9	2480	AACAUUCAA	2472	3 UTR	0.0141	1
ANKRD13C	NM_030816	9	2480	AACAUUCAA	2472	3 UTR	0.0141	1
ANKRD27	NM_032139	8	4037	ACAUUCAA	4030	3 UTR	0.0174	2
ANKRD27	NM_032139	8	4037	ACAUUCAA	4030	3 UTR	0.0174	2
ANKRD50	NM_020337	8	7193	AACAUUCA	7186	3 UTR	0.0478	1
ANKRD50	NM_020337	8	6365	AACAUUCA	6358	3 UTR	0.0478	1
ANKRD50	NM_020337	8	7193	AACAUUCA	7186	3 UTR	0.0478	1
ANKRD50	NM_020337	8	6365	AACAUUCA	6358	3 UTR	0.0478	1
ANP32A	NM_006305	7	2444	AACAUUC	2438	3 UTR	0.0153	1
ANP32A	NM_006305	7	1914	ACAUUCA	1908	3 UTR	0.0153	2
ANP32A	NM_006305	7	2444	AACAUUC	2438	3 UTR	0.0153	1
ANP32A	NM_006305	7	1914	ACAUUCA	1908	3 UTR	0.0153	2
ANTXR2	NM_058172	8	2532	ACAUUCAA	2525	3 UTR	0.0282	2
ANTXR2	NM_058172	8	2532	ACAUUCAA	2525	3 UTR	0.0282	2
ANXA11	NM_145869	7	2668	ACAUUCA	2662	3 UTR	0.0436	2
ANXA11	NM_145869	7	2668	ACAUUCA	2662	3 UTR	0.0436	2
ANXA6	NM_001155	9	2572	ACAUUCAAC	2564	3 UTR	0.0028	2
ANXA6	NM_001155	9	2572	ACAUUCAAC	2564	3 UTR	0.0028	2
AP3D1	NM_003938	8	3989	ACAUUCAA	3982	3 UTR	0.0178	2
AP3D1	NM_003938	8	3989	ACAUUCAA	3982	3 UTR	0.0178	2
AP3S2	NM_005829	9	3487	AACAUUCAA	3479	3 UTR	0.0186	1
AP3S2	NM_005829	9	3487	AACAUUCAA	3479	3 UTR	0.0186	1
APH1B	NM_031301	7	2429	AACAUUC	2423	3 UTR	0.0081	1
APH1B	NM_031301	7	1282	ACAUUCA	1276	3 UTR	0.0081	2
APH1B	NM_031301	7	2429	AACAUUC	2423	3 UTR	0.0081	1
APH1B	NM_031301	7	1282	ACAUUCA	1276	3 UTR	0.0081	2
API5	NM_006595	9	3008	AACAUUCAA	3000	3 UTR	0.0079	1
API5	NM_006595	8	3007	ACAUUCAA	3000	3 UTR	0.0314	2
API5	NM_006595	9	3008	AACAUUCAA	3000	3 UTR	0.0079	1
API5	NM_006595	8	3007	ACAUUCAA	3000	3 UTR	0.0314	2
APOO	NM_024122	8	936	ACAUUCAA	929	3 UTR	0.0047	2
APOO	NM_024122	8	936	ACAUUCAA	929	3 UTR	0.0047	2
AQP9	NM_020980	10	2372	AACAUUCAAC	2363	3 UTR	0.0017	1
AQP9	NM_020980	9	2371	ACAUUCAAC	2363	3 UTR	0.0068	2
AQP9	NM_020980	10	2372	AACAUUCAAC	2363	3 UTR	0.0017	1

AQP9	NM_020980	9	2371	ACAUUCAAC	2363	3 UTR	0.0068	2
ARF6	NM_001663	9	3474	AACAUUCAA	3466	3 UTR	0.0106	1
ARF6	NM_001663	8	3473	ACAUUCAA	3466	3 UTR	0.0417	2
ARF6	NM_001663	9	3474	AACAUUCAA	3466	3 UTR	0.0106	1
ARF6	NM_001663	8	3473	ACAUUCAA	3466	3 UTR	0.0417	2
ARFGEF2	NM_006420	9	5991	AACAUUCAA	5983	3 UTR	0.0132	1
ARFGEF2	NM_006420	9	5991	AACAUUCAA	5983	3 UTR	0.0132	1
ARFIP1	NM_001025595	8	2428	AACAUUCA	2421	3 UTR	0.0255	1
ARFIP1	NM_001025595	8	2428	AACAUUCA	2421	3 UTR	0.0255	1
ARHGAP12	NM_018287	8	3046	AACAUUCA	3039	3 UTR	0.0206	1
ARHGAP12	NM_018287	8	3046	AACAUUCA	3039	3 UTR	0.0206	1
ARHGEF12	NM_015313	9	6987	AACAUUCAA	6979	3 UTR	0.0184	1
ARHGEF12	NM_015313	9	6987	AACAUUCAA	6979	3 UTR	0.0184	1
ARHGEF15	NM_173728	8	2852	ACAUUCAA	2845	3 UTR	0.0243	2
ARHGEF15	NM_173728	8	2852	ACAUUCAA	2845	3 UTR	0.0243	2
ARHGEF3	NM_001128616	8	3993	AACAUUCA	3986	3 UTR	0.0280	1
ARHGEF3	NM_001128616	8	3976	AACAUUCA	3969	3 UTR	0.0280	1
ARHGEF3	NM_001128616	8	3993	AACAUUCA	3986	3 UTR	0.0280	1
ARHGEF3	NM_001128616	8	3976	AACAUUCA	3969	3 UTR	0.0280	1
ARID2	NM_152641	8	6281	AACAUUCA	6274	3 UTR	0.0441	1
ARID2	NM_152641	8	6281	AACAUUCA	6274	3 UTR	0.0441	1
ARIH1	NM_005744	8	3881	AACAUUCA	3874	3 UTR	0.0488	1
ARIH1	NM_005744	8	3881	AACAUUCA	3874	3 UTR	0.0488	1
ARL1	NM_001177	8	890	AACAUUCA	883	3 UTR	0.0375	1
ARL1	NM_001177	8	890	AACAUUCA	883	3 UTR	0.0375	1
ARL11	NM_138450	8	2369	AACAUUCA	2362	3 UTR	0.0383	1
ARL11	NM_138450	8	2369	AACAUUCA	2362	3 UTR	0.0383	1
ARL5A	NM_012097	10	1205	AACAUUCAAC	1196	3 UTR	0.0022	1
ARL5A	NM_012097	9	1204	ACAUUCAAC	1196	3 UTR	0.0088	2
ARL5A	NM_012097	10	1205	AACAUUCAAC	1196	3 UTR	0.0022	1
ARL5A	NM_012097	9	1204	ACAUUCAAC	1196	3 UTR	0.0088	2
ARL6	NM_032146	7	1179	AACAUUC	1173	3 UTR	0.0297	1
ARL6	NM_032146	7	1179	AACAUUC	1173	3 UTR	0.0297	1
ARL6IP6	NM_152522	8	2703	AACAUUCA	2696	3 UTR	0.0214	1
ARL6IP6	NM_152522	8	2703	AACAUUCA	2696	3 UTR	0.0214	1
ARMC1	NM_018120	8	1799	ACAUUCAA	1792	3 UTR	0.0237	2
ARMC1	NM_018120	8	1799	ACAUUCAA	1792	3 UTR	0.0237	2
ARNT2	NM_014862	9	6455	AACAUUCAA	6447	3 UTR	0.0161	1

ARNT2	NM_014862	9	6455	AACAUUCAA	6447	3 UTR	0.0161	1
ARPC1A	NM_006409	7	1591	ACAUUCA	1585	3 UTR	0.0217	2
ARPC1A	NM_006409	7	1591	ACAUUCA	1585	3 UTR	0.0217	2
ARRB2	NM_004313	7	1649	ACAUUCA	1643	3 UTR	0.0288	2
ARRB2	NM_004313	7	1649	ACAUUCA	1643	3 UTR	0.0288	2
ARSJ	NM_024590	8	3648	ACAUUCAA	3641	3 UTR	0.0301	2
ARSJ	NM_024590	8	3648	ACAUUCAA	3641	3 UTR	0.0301	2
ARV1	NM_022786	7	1096	AACAUUC	1090	3 UTR	0.0363	1
ARV1	NM_022786	7	1096	AACAUUC	1090	3 UTR	0.0363	1
ASAHL	NM_014435	8	1630	ACAUUCAA	1623	3 UTR	0.0112	2
ASAHL	NM_014435	8	1630	ACAUUCAA	1623	3 UTR	0.0112	2
ASB3	NM_016115	7	1851	AACAUUC	1845	3 UTR	0.0314	1
ASB3	NM_016115	7	1851	AACAUUC	1845	3 UTR	0.0314	1
ASB5	NM_080874	9	1514	ACAUUCAAC	1506	3 UTR	0.0073	2
ASB5	NM_080874	9	1514	ACAUUCAAC	1506	3 UTR	0.0073	2
ASCC1	NM_015947	7	1886	AACAUUC	1880	3 UTR	0.0493	1
ASCC1	NM_015947	7	1886	AACAUUC	1880	3 UTR	0.0493	1
ASTN1	NM_004319	8	7033	ACAUUCAA	7026	3 UTR	0.0481	2
ASTN1	NM_004319	8	7033	ACAUUCAA	7026	3 UTR	0.0481	2
ATG10	NM_001131028	8	1273	AACAUUCA	1266	3 UTR	0.0202	1
ATG10	NM_001131028	8	1273	AACAUUCA	1266	3 UTR	0.0202	1
ATG5	NM_004849	9	2381	AACAUUCAA	2373	3 UTR	0.0078	1
ATG5	NM_004849	8	2380	ACAUUCAA	2373	3 UTR	0.0310	2
ATG5	NM_004849	9	2381	AACAUUCAA	2373	3 UTR	0.0078	1
ATG5	NM_004849	8	2380	ACAUUCAA	2373	3 UTR	0.0310	2
ATM	NM_000051	9	9686	AACAUUCAA	9678	3 UTR	0.0136	1
ATM	NM_000051	9	9686	AACAUUCAA	9678	3 UTR	0.0136	1
ATMIN	NM_015251	8	2585	ACAUUCAA	2578	3 UTR	0.0356	2
ATMIN	NM_015251	8	2585	ACAUUCAA	2578	3 UTR	0.0356	2
ATP11B	NM_014616	9	7059	AACAUUCAA	7051	3 UTR	0.0136	1
ATP11B	NM_014616	9	7059	AACAUUCAA	7051	3 UTR	0.0136	1
ATP11C	NM_173694	8	4586	AACAUUCA	4579	3 UTR	0.0394	1
ATP11C	NM_173694	8	4586	AACAUUCA	4579	3 UTR	0.0394	1
ATP1B1	NM_001677	8	1907	AACAUUCA	1900	3 UTR	0.0178	1
ATP1B1	NM_001677	8	1907	AACAUUCA	1900	3 UTR	0.0178	1
ATP2B1	NM_001001323	8	4014	AACAUUCA	4007	3 UTR	0.0482	1
ATP2B1	NM_001001323	8	4014	AACAUUCA	4007	3 UTR	0.0482	1
ATP2B3	NM_021949	8	4713	ACAUUCAA	4706	3 UTR	0.0439	2

ATP2B3	NM_021949	8	4713	ACAUUCAA	4706	3 UTR	0.0439	2
ATP6AP2	NM_005765	9	1160	AACAUUCAA	1152	3 UTR	0.0034	1
ATP6AP2	NM_005765	8	1159	ACAUUCAA	1152	3 UTR	0.0135	2
ATP6AP2	NM_005765	9	1160	AACAUUCAA	1152	3 UTR	0.0034	1
ATP6AP2	NM_005765	8	1159	ACAUUCAA	1152	3 UTR	0.0135	2
ATP6V1C2	NM_001039362	9	1583	AACAUUCAA	1575	3 UTR	0.0071	1
ATP6V1C2	NM_001039362	8	1582	ACAUUCAA	1575	3 UTR	0.0279	2
ATP6V1C2	NM_001039362	9	1583	AACAUUCAA	1575	3 UTR	0.0071	1
ATP6V1C2	NM_001039362	8	1582	ACAUUCAA	1575	3 UTR	0.0279	2
ATP8B1	NM_005603	8	5400	AACAUUCA	5393	3 UTR	0.0310	1
ATP8B1	NM_005603	8	5400	AACAUUCA	5393	3 UTR	0.0310	1
ATPAF1	NM_022745	8	2964	AACAUUCA	2957	3 UTR	0.0454	1
ATPAF1	NM_022745	8	2964	AACAUUCA	2957	3 UTR	0.0454	1
ATPAF2	NM_145691	7	1242	ACAUUCA	1236	3 UTR	0.0318	2
ATPAF2	NM_145691	7	1242	ACAUUCA	1236	3 UTR	0.0318	2
ATXN3	NM_004993	9	2543	AACAUUCAA	2535	3 UTR	0.0218	1
ATXN3	NM_004993	9	2543	AACAUUCAA	2535	3 UTR	0.0218	1
ATXN7	NM_001128149	9	6474	AACAUUCAA	6466	3 UTR	0.0148	1
ATXN7	NM_001128149	9	6474	AACAUUCAA	6466	3 UTR	0.0148	1
AUTS2	NM_015570	8	5139	AACAUUCA	5132	3 UTR	0.0286	1
AUTS2	NM_015570	8	5139	AACAUUCA	5132	3 UTR	0.0286	1
B3GALT1	NM_020981	8	1495	AACAUUCA	1488	3 UTR	0.0127	1
B3GALT1	NM_020981	7	1494	ACAUUCA	1488	3 UTR	0.0497	2
B3GALT1	NM_020981	8	1495	AACAUUCA	1488	3 UTR	0.0127	1
B3GALT1	NM_020981	7	1494	ACAUUCA	1488	3 UTR	0.0497	2
B3GALT5	NM_033173	8	3118	ACAUUCAA	3111	3 UTR	0.0211	2
B3GALT5	NM_033173	8	3118	ACAUUCAA	3111	3 UTR	0.0211	2
B4GALT6	NM_004775	9	2612	AACAUUCAA	2604	3 UTR	0.0128	1
B4GALT6	NM_004775	9	2612	AACAUUCAA	2604	3 UTR	0.0128	1
BAG2	NM_004282	7	1584	ACAUUCA	1578	3 UTR	0.0454	2
BAG2	NM_004282	7	1584	ACAUUCA	1578	3 UTR	0.0454	2
BAG4	NM_004874	7	1860	ACAUUCA	1854	3 UTR	0.0316	2
BAG4	NM_004874	7	1860	ACAUUCA	1854	3 UTR	0.0316	2
BAI3	NM_001704	8	5449	AACAUUCA	5442	3 UTR	0.0096	1
BAI3	NM_001704	7	5448	ACAUUCA	5442	3 UTR	0.0379	2
BAI3	NM_001704	8	5449	AACAUUCA	5442	3 UTR	0.0096	1
BAI3	NM_001704	7	5448	ACAUUCA	5442	3 UTR	0.0379	2
BANK1	NM_017935	9	3364	AACAUUCAA	3356	3 UTR	0.0031	1

BANK1	NM_017935	8	3363	ACAUUCAA	3356	3 UTR	0.0125	2
BANK1	NM_017935	9	3364	AACAUUCAA	3356	3 UTR	0.0031	1
BANK1	NM_017935	8	3363	ACAUUCAA	3356	3 UTR	0.0125	2
BBS9	NM_198428	8	3698	ACAUUCAA	3691	3 UTR	0.0128	2
BBS9	NM_198428	8	3698	ACAUUCAA	3691	3 UTR	0.0128	2
BCL11A	NM_022893	8	3774	ACAUUCAA	3767	3 UTR	0.0478	2
BCL11A	NM_022893	8	3774	ACAUUCAA	3767	3 UTR	0.0478	2
BCL6B	NM_181844	9	2721	AACAUUCAA	2713	3 UTR	0.0077	1
BCL6B	NM_181844	8	2625	AACAUUCA	2618	3 UTR	0.0306	1
BCL6B	NM_181844	8	2720	ACAUUCAA	2713	3 UTR	0.0306	2
BCL6B	NM_181844	9	2721	AACAUUCAA	2713	3 UTR	0.0077	1
BCL6B	NM_181844	8	2625	AACAUUCA	2618	3 UTR	0.0306	1
BCL6B	NM_181844	8	2720	ACAUUCAA	2713	3 UTR	0.0306	2
BIRC6	NM_016252	8	15020	AACAUUCA	15013	3 UTR	0.0153	1
BIRC6	NM_016252	8	15020	AACAUUCA	15013	3 UTR	0.0153	1
BMS1	NM_014753	7	6231	AACAUUC	6225	3 UTR	0.0195	1
BMS1	NM_014753	7	6231	AACAUUC	6225	3 UTR	0.0195	1
BPTF	NM_182641	8	9710	ACAUUCAA	9703	3 UTR	0.0314	2
BPTF	NM_182641	8	9710	ACAUUCAA	9703	3 UTR	0.0314	2
BRAP	NM_006768	9	2517	AACAUUCAA	2509	3 UTR	0.0079	1
BRAP	NM_006768	8	2516	ACAUUCAA	2509	3 UTR	0.0311	2
BRAP	NM_006768	9	2517	AACAUUCAA	2509	3 UTR	0.0079	1
BRAP	NM_006768	8	2516	ACAUUCAA	2509	3 UTR	0.0311	2
BRD1	NM_014577	9	3955	AACAUUCAA	3947	3 UTR	0.0036	1
BRD1	NM_014577	8	3954	ACAUUCAA	3947	3 UTR	0.0144	2
BRD1	NM_014577	9	3955	AACAUUCAA	3947	3 UTR	0.0036	1
BRD1	NM_014577	8	3954	ACAUUCAA	3947	3 UTR	0.0144	2
BTBD10	NM_032320	7	2320	ACAUUCA	2314	3 UTR	0.0497	2
BTBD10	NM_032320	7	2320	ACAUUCA	2314	3 UTR	0.0497	2
BTBD3	NM_014962	10	4765	AACAUUCAAC	4756	3 UTR	0.0028	1
BTBD3	NM_014962	9	4764	ACAUUCAAC	4756	3 UTR	0.0111	2
BTBD3	NM_014962	10	4765	AACAUUCAAC	4756	3 UTR	0.0028	1
BTBD3	NM_014962	9	4764	ACAUUCAAC	4756	3 UTR	0.0111	2
BTRC	NM_033637	10	4123	AACAUUCAAC	4114	3 UTR	0.0040	1
BTRC	NM_033637	9	4122	ACAUUCAAC	4114	3 UTR	0.0160	2
BTRC	NM_033637	10	4123	AACAUUCAAC	4114	3 UTR	0.0040	1
BTRC	NM_033637	9	4122	ACAUUCAAC	4114	3 UTR	0.0160	2
BUB3	NM_004725	9	2763	AACAUUCAA	2755	3 UTR	0.0059	1

BUB3	NM_004725	8	2762	ACAUUCAA	2755	3 UTR	0.0234	2
BUB3	NM_004725	9	2763	AACAUUCAA	2755	3 UTR	0.0059	1
BUB3	NM_004725	8	2762	ACAUUCAA	2755	3 UTR	0.0234	2
C10orf30	NM_152751	7	2387	AACAUUC	2381	3 UTR	0.0421	1
C10orf30	NM_152751	7	2387	AACAUUC	2381	3 UTR	0.0421	1
C10orf4	NM_145246	8	2136	ACAUUCAA	2129	3 UTR	0.0190	2
C10orf4	NM_145246	8	2136	ACAUUCAA	2129	3 UTR	0.0190	2
C10orf67	NM_153714	8	1093	AACAUUCA	1086	3 UTR	0.0348	1
C10orf67	NM_153714	8	1093	AACAUUCA	1086	3 UTR	0.0348	1
C10orf68	NM_024688	7	2552	ACAUUCA	2546	3 UTR	0.0223	2
C10orf68	NM_024688	7	2552	ACAUUCA	2546	3 UTR	0.0223	2
C10orf78	NM_145247	7	1383	ACAUUCA	1377	3 UTR	0.0416	2
C10orf78	NM_145247	7	1383	ACAUUCA	1377	3 UTR	0.0416	2
C10orf83	NM_178832	8	2308	ACAUUCAA	2301	3 UTR	0.0260	2
C10orf83	NM_178832	8	2308	ACAUUCAA	2301	3 UTR	0.0260	2
C10orf88	NM_024942	8	2957	ACAUUCAA	2950	3 UTR	0.0232	2
C10orf88	NM_024942	8	2957	ACAUUCAA	2950	3 UTR	0.0232	2
C11orf30	NM_020193	8	4439	AACAUUCA	4432	3 UTR	0.0212	1
C11orf30	NM_020193	8	4439	AACAUUCA	4432	3 UTR	0.0212	1
C11orf47	NM_173589	7	2819	AACAUUC	2813	3 UTR	0.0457	1
C11orf47	NM_173589	7	2819	AACAUUC	2813	3 UTR	0.0457	1
C11orf53	NM_198498	7	1045	AACAUUC	1039	3 UTR	0.0150	1
C11orf53	NM_198498	7	1045	AACAUUC	1039	3 UTR	0.0150	1
C11orf56	NM_032127	8	3438	AACAUUCA	3431	3 UTR	0.0028	1
C11orf56	NM_032127	7	3437	ACAUUCA	3431	3 UTR	0.0113	2
C11orf56	NM_032127	8	3438	AACAUUCA	3431	3 UTR	0.0028	1
C11orf56	NM_032127	7	3437	ACAUUCA	3431	3 UTR	0.0113	2
C11orf61	NM_024631	7	1551	ACAUUCA	1545	3 UTR	0.0421	2
C11orf61	NM_024631	7	1551	ACAUUCA	1545	3 UTR	0.0421	2
C11orf75	NM_020179	7	638	ACAUUCA	632	3 UTR	0.0325	2
C11orf75	NM_020179	7	638	ACAUUCA	632	3 UTR	0.0325	2
C12orf12	NM_152638	8	2890	AACAUUCA	2883	3 UTR	0.0200	1
C12orf12	NM_152638	8	2890	AACAUUCA	2883	3 UTR	0.0200	1
C12orf35	NM_018169	7	6081	ACAUUCA	6075	3 UTR	0.0353	2
C12orf35	NM_018169	7	6081	ACAUUCA	6075	3 UTR	0.0353	2
C12orf56	NM_001099676	9	1529	AACAUUCAA	1521	3 UTR	0.0009	1
C12orf56	NM_001099676	8	1528	ACAUUCAA	1521	3 UTR	0.0038	2
C12orf56	NM_001099676	9	1529	AACAUUCAA	1521	3 UTR	0.0009	1

C12orf56	NM_001099676	8	1528	ACAUUCAA	1521	3 UTR	0.0038	2
C13orf23	NM_025138	8	4508	AACAUUCA	4501	3 UTR	0.0229	1
C13orf23	NM_025138	8	4508	AACAUUCA	4501	3 UTR	0.0229	1
C14orf126	NM_080664	8	1982	AACAUUCA	1975	3 UTR	0.0317	1
C14orf126	NM_080664	8	1982	AACAUUCA	1975	3 UTR	0.0317	1
C14orf135	NM_022495	8	3846	AACAUUCA	3839	3 UTR	0.0093	1
C14orf135	NM_022495	7	3845	ACAUUCA	3839	3 UTR	0.0367	2
C14orf135	NM_022495	8	3846	AACAUUCA	3839	3 UTR	0.0093	1
C14orf135	NM_022495	7	3845	ACAUUCA	3839	3 UTR	0.0367	2
C14orf142	NM_032490	7	962	ACAUUCA	956	3 UTR	0.0483	2
C14orf142	NM_032490	7	962	ACAUUCA	956	3 UTR	0.0483	2
C14orf169	NM_024644	7	2456	AACAUUC	2450	3 UTR	0.0276	1
C14orf169	NM_024644	7	2456	AACAUUC	2450	3 UTR	0.0276	1
C14orf178	NM_174943	7	834	ACAUUCA	828	3 UTR	0.0039	2
C14orf178	NM_174943	7	834	ACAUUCA	828	3 UTR	0.0039	2
C14orf28	NM_001017923	8	1688	ACAUUCAA	1681	3 UTR	0.0257	2
C14orf28	NM_001017923	8	1688	ACAUUCAA	1681	3 UTR	0.0257	2
C14orf43	NM_194278	9	8054	AACAUUCAA	8046	3 UTR	0.0158	1
C14orf43	NM_194278	9	8054	AACAUUCAA	8046	3 UTR	0.0158	1
C15orf2	NM_018958	9	6322	AACAUUCAA	6314	3 UTR	0.0155	1
C15orf2	NM_018958	9	6322	AACAUUCAA	6314	3 UTR	0.0155	1
C15orf26	NM_173528	8	1322	ACAUUCAA	1315	3 UTR	0.0101	2
C15orf26	NM_173528	8	1322	ACAUUCAA	1315	3 UTR	0.0101	2
C15orf48	NM_032413	8	735	AACAUUCA	728	3 UTR	0.0068	1
C15orf48	NM_032413	7	734	ACAUUCA	728	3 UTR	0.0268	2
C15orf48	NM_032413	8	735	AACAUUCA	728	3 UTR	0.0068	1
C15orf48	NM_032413	7	734	ACAUUCA	728	3 UTR	0.0268	2
C15orf56	NM_001039905	8	2112	AACAUUCA	2105	3 UTR	0.0244	1
C15orf56	NM_001039905	8	2112	AACAUUCA	2105	3 UTR	0.0244	1
C16orf71	NM_139170	7	2669	AACAUUC	2663	3 UTR	0.0413	1
C16orf71	NM_139170	7	2669	AACAUUC	2663	3 UTR	0.0413	1
C16orf75	NM_152308	9	1292	AACAUUCAA	1284	3 UTR	0.0038	1
C16orf75	NM_152308	8	1291	ACAUUCAA	1284	3 UTR	0.0151	2
C16orf75	NM_152308	9	1292	AACAUUCAA	1284	3 UTR	0.0038	1
C16orf75	NM_152308	8	1291	ACAUUCAA	1284	3 UTR	0.0151	2
C17orf39	NM_024052	9	2644	AACAUUCAA	2636	3 UTR	0.0120	1
C17orf39	NM_024052	8	1211	AACAUUCA	1204	3 UTR	0.0471	1
C17orf39	NM_024052	8	2643	ACAUUCAA	2636	3 UTR	0.0471	2

C17orf39	NM_024052	9	2644	AACAUUCAA	2636	3 UTR	0.0120	1
C17orf39	NM_024052	8	1211	AACAUUCA	1204	3 UTR	0.0471	1
C17orf39	NM_024052	8	2643	ACAUUCAA	2636	3 UTR	0.0471	2
C17orf51	NM_001113434	9	3482	AACAUUCAA	3474	3 UTR	0.0102	1
C17orf51	NM_001113434	8	3481	ACAUUCAA	3474	3 UTR	0.0403	2
C17orf51	NM_001113434	9	3482	AACAUUCAA	3474	3 UTR	0.0102	1
C17orf51	NM_001113434	8	3481	ACAUUCAA	3474	3 UTR	0.0403	2
C17orf59	NM_017622	7	1814	AACAUUC	1808	3 UTR	0.0449	1
C17orf59	NM_017622	7	1814	AACAUUC	1808	3 UTR	0.0449	1
C18orf37	NM_001098817	7	935	AACAUUC	929	3 UTR	0.0176	1
C18orf37	NM_001098817	7	935	AACAUUC	929	3 UTR	0.0176	1
C19orf2	NM_003796	7	2151	ACAUUCA	2145	3 UTR	0.0393	2
C19orf2	NM_003796	7	2151	ACAUUCA	2145	3 UTR	0.0393	2
C19orf25	NM_152482	8	1482	ACAUUCAA	1475	3 UTR	0.0278	2
C19orf25	NM_152482	8	1482	ACAUUCAA	1475	3 UTR	0.0278	2
C19orf42	NM_024104	8	1261	AACAUUCA	1254	3 UTR	0.0169	1
C19orf42	NM_024104	8	1261	AACAUUCA	1254	3 UTR	0.0169	1
C19orf59	NM_174918	7	916	ACAUUCA	910	3 UTR	0.0440	2
C19orf59	NM_174918	7	916	ACAUUCA	910	3 UTR	0.0440	2
C1orf109	NM_017850	8	1678	ACAUUCAA	1671	3 UTR	0.0237	2
C1orf109	NM_017850	8	1678	ACAUUCAA	1671	3 UTR	0.0237	2
C1orf113	NM_024676	8	2452	ACAUUCAA	2445	3 UTR	0.0209	2
C1orf113	NM_024676	8	2452	ACAUUCAA	2445	3 UTR	0.0209	2
C1orf131	NM_152379	7	1130	ACAUUCA	1124	3 UTR	0.0340	2
C1orf131	NM_152379	7	1130	ACAUUCA	1124	3 UTR	0.0340	2
C1orf161	NM_152367	9	2894	AACAUUCAA	2886	3 UTR	0.0071	1
C1orf161	NM_152367	8	2893	ACAUUCAA	2886	3 UTR	0.0282	2
C1orf161	NM_152367	9	2894	AACAUUCAA	2886	3 UTR	0.0071	1
C1orf161	NM_152367	8	2893	ACAUUCAA	2886	3 UTR	0.0282	2
C1orf2	NM_006589	7	3125	AACAUUC	3119	3 UTR	0.0357	1
C1orf2	NM_006589	7	3125	AACAUUC	3119	3 UTR	0.0357	1
C1orf27	NM_017847	8	2180	AACAUUCA	2173	3 UTR	0.0348	1
C1orf27	NM_017847	8	2180	AACAUUCA	2173	3 UTR	0.0348	1
C1orf43	NM_001098616	7	1762	AACAUUC	1756	3 UTR	0.0452	1
C1orf43	NM_001098616	7	1648	ACAUUCA	1642	3 UTR	0.0452	2
C1orf43	NM_001098616	7	1762	AACAUUC	1756	3 UTR	0.0452	1
C1orf43	NM_001098616	7	1648	ACAUUCA	1642	3 UTR	0.0452	2
C1orf50	NM_024097	7	797	ACAUUCA	791	3 UTR	0.0213	2

C1orf50	NM_024097	7	797	ACAUUCA	791	3 UTR	0.0213	2
C1orf52	NM_198077	9	1055	AACAUUCAA	1047	3 UTR	0.0102	1
C1orf52	NM_198077	8	1054	ACAUUCAA	1047	3 UTR	0.0402	2
C1orf52	NM_198077	9	1055	AACAUUCAA	1047	3 UTR	0.0102	1
C1orf52	NM_198077	8	1054	ACAUUCAA	1047	3 UTR	0.0402	2
C1orf71	NM_152609	8	3592	ACAUUCAA	3585	3 UTR	0.0400	2
C1orf71	NM_152609	8	3592	ACAUUCAA	3585	3 UTR	0.0400	2
C1orf84	NM_001012961	8	878	ACAUUCAA	871	3 UTR	0.0090	2
C1orf84	NM_001012961	8	878	ACAUUCAA	871	3 UTR	0.0090	2
C1RL	NM_016546	8	1782	ACAUUCAA	1775	3 UTR	0.0280	2
C1RL	NM_016546	8	1782	ACAUUCAA	1775	3 UTR	0.0280	2
C20orf24	NM_018840	7	1047	AACAUUC	1041	3 UTR	0.0308	1
C20orf24	NM_018840	7	1047	AACAUUC	1041	3 UTR	0.0308	1
C20orf85	NM_178456	7	643	AACAUUC	637	3 UTR	0.0205	1
C20orf85	NM_178456	7	643	AACAUUC	637	3 UTR	0.0205	1
C22orf28	NM_014306	7	2059	AACAUUC	2053	3 UTR	0.0260	1
C22orf28	NM_014306	7	2059	AACAUUC	2053	3 UTR	0.0260	1
C2orf29	NM_017546	8	2036	AACAUUCA	2029	3 UTR	0.0141	1
C2orf29	NM_017546	8	2036	AACAUUCA	2029	3 UTR	0.0141	1
C2orf42	NM_017880	7	2447	AACAUUC	2441	3 UTR	0.0293	1
C2orf42	NM_017880	7	2447	AACAUUC	2441	3 UTR	0.0293	1
C2orf43	NM_021925	8	1433	AACAUUCA	1426	3 UTR	0.0281	1
C2orf43	NM_021925	8	1433	AACAUUCA	1426	3 UTR	0.0281	1
C2orf60	NM_001039693	9	2242	AACAUUCAA	2234	3 UTR	0.0158	1
C2orf60	NM_001039693	9	2242	AACAUUCAA	2234	3 UTR	0.0158	1
C3orf14	NM_020685	8	559	AACAUUCA	552	3 UTR	0.0049	1
C3orf14	NM_020685	7	558	ACAUUCA	552	3 UTR	0.0194	2
C3orf14	NM_020685	8	559	AACAUUCA	552	3 UTR	0.0049	1
C3orf14	NM_020685	7	558	ACAUUCA	552	3 UTR	0.0194	2
C3orf23	NM_173826	8	2417	AACAUUCA	2410	3 UTR	0.0269	1
C3orf23	NM_173826	9	2673	ACAUUCAAC	2665	3 UTR	0.0068	2
C3orf23	NM_173826	8	2417	AACAUUCA	2410	3 UTR	0.0269	1
C3orf23	NM_173826	9	2673	ACAUUCAAC	2665	3 UTR	0.0068	2
C3orf35	NM_178342	8	1768	AACAUUCA	1761	3 UTR	0.0119	1
C3orf35	NM_178342	7	1767	ACAUUCA	1761	3 UTR	0.0467	2
C3orf35	NM_178342	8	1768	AACAUUCA	1761	3 UTR	0.0119	1
C3orf35	NM_178342	7	1767	ACAUUCA	1761	3 UTR	0.0467	2
C3orf58	NM_173552	8	2223	ACAUUCAA	2216	3 UTR	0.0380	2

C3orf58	NM_173552	8	2223	ACAUUCAA	2216	3 UTR	0.0380	2
C3orf62	NM_198562	8	1252	ACAUUCAA	1245	3 UTR	0.0386	2
C3orf62	NM_198562	8	1252	ACAUUCAA	1245	3 UTR	0.0386	2
C4orf15	NM_024511	9	4917	AACAUUCAA	4909	3 UTR	0.0136	1
C4orf15	NM_024511	9	4917	AACAUUCAA	4909	3 UTR	0.0136	1
C5orf13	NM_004772	8	1040	AACAUUCA	1033	3 UTR	0.0245	1
C5orf13	NM_004772	8	1040	AACAUUCA	1033	3 UTR	0.0245	1
C5orf29	NM_152687	8	2021	AACAUUCA	2014	3 UTR	0.0204	1
C5orf29	NM_152687	8	2021	AACAUUCA	2014	3 UTR	0.0204	1
C5orf5	NM_016603	8	5123	AACAUUCA	5116	3 UTR	0.0341	1
C5orf5	NM_016603	8	5123	AACAUUCA	5116	3 UTR	0.0341	1
C6orf115	NM_021243	7	714	AACAUUC	708	3 UTR	0.0298	1
C6orf115	NM_021243	7	714	AACAUUC	708	3 UTR	0.0298	1
C6orf117	NM_138409	8	1097	ACAUUCAA	1090	3 UTR	0.0214	2
C6orf117	NM_138409	8	1097	ACAUUCAA	1090	3 UTR	0.0214	2
C6orf128	NM_145316	7	1293	AACAUUC	1287	3 UTR	0.0486	1
C6orf128	NM_145316	7	765	ACAUUCA	759	3 UTR	0.0486	2
C6orf128	NM_145316	7	1293	AACAUUC	1287	3 UTR	0.0486	1
C6orf128	NM_145316	7	765	ACAUUCA	759	3 UTR	0.0486	2
C6orf151	NM_152551	8	3998	AACAUUCA	3991	3 UTR	0.0461	1
C6orf151	NM_152551	8	3998	AACAUUCA	3991	3 UTR	0.0461	1
C6orf190	NM_001010923	8	2982	AACAUUCA	2975	3 UTR	0.0270	1
C6orf190	NM_001010923	8	2982	AACAUUCA	2975	3 UTR	0.0270	1
C6orf199	NM_145025	8	2440	ACAUUCAA	2433	3 UTR	0.0184	2
C6orf199	NM_145025	8	2440	ACAUUCAA	2433	3 UTR	0.0184	2
C6orf223	NM_153246	9	1550	ACAUUCAAC	1542	3 UTR	0.0077	2
C6orf223	NM_153246	9	1550	ACAUUCAAC	1542	3 UTR	0.0077	2
C6orf97	NM_025059	8	4090	ACAUUCAA	4083	3 UTR	0.0456	2
C6orf97	NM_025059	8	4090	ACAUUCAA	4083	3 UTR	0.0456	2
C7orf24	NM_024051	7	924	ACAUUCA	918	3 UTR	0.0296	2
C7orf24	NM_024051	7	924	ACAUUCA	918	3 UTR	0.0296	2
C8orf32	NM_018024	8	1193	ACAUUCAA	1186	3 UTR	0.0092	2
C8orf32	NM_018024	8	1193	ACAUUCAA	1186	3 UTR	0.0092	2
C8orf53	NM_032334	8	1740	AACAUUCA	1733	3 UTR	0.0022	1
C8orf53	NM_032334	7	1739	ACAUUCA	1733	3 UTR	0.0089	2
C8orf53	NM_032334	8	1740	AACAUUCA	1733	3 UTR	0.0022	1
C8orf53	NM_032334	7	1739	ACAUUCA	1733	3 UTR	0.0089	2
C8orf59	NM_001099670	9	593	AACAUUCAA	585	3 UTR	0.0019	1

C8orf59	NM_001099670	8	592	ACAUUCAA	585	3 UTR	0.0077	2
C8orf59	NM_001099670	9	593	AACAUUCAA	585	3 UTR	0.0019	1
C8orf59	NM_001099670	8	592	ACAUUCAA	585	3 UTR	0.0077	2
C9orf126	NM_173690	7	8150	AACAUUC	8144	3 UTR	0.0012	1
C9orf126	NM_173690	7	9927	ACAUUCA	9921	3 UTR	0.0012	2
C9orf126	NM_173690	7	8737	ACAUUCA	8731	3 UTR	0.0012	2
C9orf126	NM_173690	7	8150	AACAUUC	8144	3 UTR	0.0012	1
C9orf126	NM_173690	7	9927	ACAUUCA	9921	3 UTR	0.0012	2
C9orf126	NM_173690	7	8737	ACAUUCA	8731	3 UTR	0.0012	2
C9orf167	NM_017723	8	3438	AACAUUCA	3431	3 UTR	0.0401	1
C9orf167	NM_017723	8	3438	AACAUUCA	3431	3 UTR	0.0401	1
C9orf23	NM_148179	7	811	ACAUUCA	805	3 UTR	0.0198	2
C9orf23	NM_148179	7	811	ACAUUCA	805	3 UTR	0.0198	2
C9orf68	NM_001039395	8	2373	AACAUUCA	2366	3 UTR	0.0375	1
C9orf68	NM_001039395	9	1968	ACAUUCAAC	1960	3 UTR	0.0095	2
C9orf68	NM_001039395	8	2373	AACAUUCA	2366	3 UTR	0.0375	1
C9orf68	NM_001039395	9	1968	ACAUUCAAC	1960	3 UTR	0.0095	2
CA13	NM_198584	8	3012	ACAUUCAA	3005	3 UTR	0.0407	2
CA13	NM_198584	8	3012	ACAUUCAA	3005	3 UTR	0.0407	2
CABC1	NM_020247	8	2689	AACAUUCA	2682	3 UTR	0.0124	1
CABC1	NM_020247	8	2418	AACAUUCA	2411	3 UTR	0.0124	1
CABC1	NM_020247	7	2688	ACAUUCA	2682	3 UTR	0.0486	2
CABC1	NM_020247	7	2417	ACAUUCA	2411	3 UTR	0.0486	2
CABC1	NM_020247	8	2689	AACAUUCA	2682	3 UTR	0.0124	1
CABC1	NM_020247	8	2418	AACAUUCA	2411	3 UTR	0.0124	1
CABC1	NM_020247	7	2688	ACAUUCA	2682	3 UTR	0.0486	2
CABC1	NM_020247	7	2417	ACAUUCA	2411	3 UTR	0.0486	2
CACNA2D4	NM_172364	8	5265	ACAUUCAA	5258	3 UTR	0.0256	2
CACNA2D4	NM_172364	8	5265	ACAUUCAA	5258	3 UTR	0.0256	2
CACNB2	NM_000724	8	3254	AACAUUCA	3247	3 UTR	0.0306	1
CACNB2	NM_000724	8	3254	AACAUUCA	3247	3 UTR	0.0306	1
CALB1	NM_004929	9	1939	AACAUUCAA	1931	3 UTR	0.0059	1
CALB1	NM_004929	8	2305	ACAUUCAA	2298	3 UTR	0.0236	2
CALB1	NM_004929	8	1938	ACAUUCAA	1931	3 UTR	0.0236	2
CALB1	NM_004929	9	1939	AACAUUCAA	1931	3 UTR	0.0059	1
CALB1	NM_004929	8	2305	ACAUUCAA	2298	3 UTR	0.0236	2
CALB1	NM_004929	8	1938	ACAUUCAA	1931	3 UTR	0.0236	2
CALCR	NM_001742	9	2327	ACAUUCAAC	2319	3 UTR	0.0071	2

CALCR	NM_001742	8	1605	ACAUUCAA	1598	3 UTR	0.0281	2
CALCR	NM_001742	9	2327	ACAUUCAAC	2319	3 UTR	0.0071	2
CALCR	NM_001742	8	1605	ACAUUCAA	1598	3 UTR	0.0281	2
CALCRL	NM_005795	8	2041	ACAUUCAA	2034	3 UTR	0.0458	2
CALCRL	NM_005795	8	2041	ACAUUCAA	2034	3 UTR	0.0458	2
CAMK2G	NM_172171	8	3733	AACAUUCA	3726	3 UTR	0.0305	1
CAMK2G	NM_172171	8	3733	AACAUUCA	3726	3 UTR	0.0305	1
CAMKK1	NM_032294	8	3455	ACAUUCAA	3448	3 UTR	0.0288	2
CAMKK1	NM_032294	8	3455	ACAUUCAA	3448	3 UTR	0.0288	2
CAMSAP1	NM_015447	8	5301	ACAUUCAA	5294	3 UTR	0.0424	2
CAMSAP1	NM_015447	8	5301	ACAUUCAA	5294	3 UTR	0.0424	2
CAMSAP1L1	NM_203459	8	6738	ACAUUCAA	6731	3 UTR	0.0397	2
CAMSAP1L1	NM_203459	8	6738	ACAUUCAA	6731	3 UTR	0.0397	2
CAMTA2	NM_015099	7	4075	ACAUUCA	4069	3 UTR	0.0452	2
CAMTA2	NM_015099	7	4075	ACAUUCA	4069	3 UTR	0.0452	2
CAND1	NM_018448	9	5664	AACAUUCAA	5656	3 UTR	0.0069	1
CAND1	NM_018448	8	5663	ACAUUCAA	5656	3 UTR	0.0275	2
CAND1	NM_018448	9	5664	AACAUUCAA	5656	3 UTR	0.0069	1
CAND1	NM_018448	8	5663	ACAUUCAA	5656	3 UTR	0.0275	2
CAPRIN1	NM_005898	8	5529	AACAUUCA	5522	3 UTR	0.0483	1
CAPRIN1	NM_005898	8	5529	AACAUUCA	5522	3 UTR	0.0483	1
CAPRIN2	NM_001002259	7	4370	ACAUUCA	4364	3 UTR	0.0221	2
CAPRIN2	NM_001002259	7	4370	ACAUUCA	4364	3 UTR	0.0221	2
CAPZA2	NM_006136	8	2054	AACAUUCA	2047	3 UTR	0.0213	1
CAPZA2	NM_006136	8	2054	AACAUUCA	2047	3 UTR	0.0213	1
CARD11	NM_032415	9	4194	ACAUUCAAC	4186	3 UTR	0.0019	2
CARD11	NM_032415	9	4194	ACAUUCAAC	4186	3 UTR	0.0019	2
CARD14	NM_024110	7	3475	AACAUUC	3469	3 UTR	0.0422	1
CARD14	NM_024110	7	3475	AACAUUC	3469	3 UTR	0.0422	1
CARM1	NM_199141	8	2577	ACAUUCAA	2570	3 UTR	0.0154	2
CARM1	NM_199141	8	2577	ACAUUCAA	2570	3 UTR	0.0154	2
CASP1	NM_033292	7	1254	ACAUUCA	1248	3 UTR	0.0080	2
CASP1	NM_033292	7	1254	ACAUUCA	1248	3 UTR	0.0080	2
CBLB	NM_170662	7	3920	ACAUUCA	3914	3 UTR	0.0421	2
CBLB	NM_170662	7	3920	ACAUUCA	3914	3 UTR	0.0421	2
CBLL1	NM_024814	8	4026	AACAUUCA	4019	3 UTR	0.0368	1
CBLL1	NM_024814	9	3869	ACAUUCAAC	3861	3 UTR	0.0093	2
CBLL1	NM_024814	8	4026	AACAUUCA	4019	3 UTR	0.0368	1

CBLL1	NM_024814	9	3869	ACAUUCAAC	3861	3 UTR	0.0093	2
CBX4	NM_003655	8	2620	ACAUUCAA	2613	3 UTR	0.0123	2
CBX4	NM_003655	8	2620	ACAUUCAA	2613	3 UTR	0.0123	2
CBX7	NM_175709	10	2879	AACAUUCAAC	2870	3 UTR	0.0030	1
CBX7	NM_175709	9	2878	ACAUUCAAC	2870	3 UTR	0.0118	2
CBX7	NM_175709	10	2879	AACAUUCAAC	2870	3 UTR	0.0030	1
CBX7	NM_175709	9	2878	ACAUUCAAC	2870	3 UTR	0.0118	2
CC2D2B	NM_001001732	7	1687	AACAUUC	1681	3 UTR	0.0452	1
CC2D2B	NM_001001732	7	1687	AACAUUC	1681	3 UTR	0.0452	1
CCAR1	NM_018237	7	3642	AACAUUC	3636	3 UTR	0.0173	1
CCAR1	NM_018237	7	3717	ACAUUCA	3711	3 UTR	0.0173	2
CCAR1	NM_018237	7	3642	AACAUUC	3636	3 UTR	0.0173	1
CCAR1	NM_018237	7	3717	ACAUUCA	3711	3 UTR	0.0173	2
CCBL1	NM_001122671	7	1589	AACAUUC	1583	3 UTR	0.0293	1
CCBL1	NM_001122671	7	1589	AACAUUC	1583	3 UTR	0.0293	1
CCDC100	NM_153223	8	3446	ACAUUCAA	3439	3 UTR	0.0246	2
CCDC100	NM_153223	8	3446	ACAUUCAA	3439	3 UTR	0.0246	2
CCDC102A	NM_033212	7	2423	ACAUUCA	2417	3 UTR	0.0357	2
CCDC102A	NM_033212	7	2423	ACAUUCA	2417	3 UTR	0.0357	2
CCDC112	NM_152549	7	1889	AACAUUC	1883	3 UTR	0.0417	1
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CCDC92	NM_025140	7	1721	ACAUUCA	1715	3 UTR	0.0401	2
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CCT8L2	NM_014406	7	1994	ACAUUCA	1988	3 UTR	0.0080	2
CD1E	NM_030893	7	2015	ACAUUCA	2009	3 UTR	0.0393	2
CD1E	NM_030893	7	2015	ACAUUCA	2009	3 UTR	0.0393	2
CD300LB	NM_174892	8	1663	ACAUUCAA	1656	3 UTR	0.0241	2
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CD302	NM_014880	8	3705	AACAUUCA	3698	3 UTR	0.0482	1

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CD46	NM_002389	8	1579	ACAUUCAA	1572	3 UTR	0.0306	2
CD48	NM_001778	8	1022	AACAUUCA	1015	3 UTR	0.0051	1
CD48	NM_001778	7	1021	ACAUUCA	1015	3 UTR	0.0202	2
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CD48	NM_001778	7	1021	ACAUUCA	1015	3 UTR	0.0202	2
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CDC14A	NM_003672	8	3665	AACAUUCA	3658	3 UTR	0.0303	1
CDC2	NM_001130829	8	1449	AACAUUCA	1442	3 UTR	0.0135	1
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CDC40	NM_015891	8	3164	ACAUUCAA	3157	3 UTR	0.0316	2
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CDH13	NM_001257	8	2493	AACAUUCA	2486	3 UTR	0.0238	1
CDH23	NM_022124	8	11065	ACAUUCAA	11058	3 UTR	0.0104	2
CDH23	NM_022124	8	11065	ACAUUCAA	11058	3 UTR	0.0104	2
CDK8	NM_001260	7	1740	ACAUUCA	1734	3 UTR	0.0212	2
CDK8	NM_001260	7	1740	ACAUUCA	1734	3 UTR	0.0212	2
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CDKN1B	NM_004064	9	1821	AACAUUCAA	1813	3 UTR	0.0051	1
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CDKN2AIPNL	NM_080656	7	459	ACAUUCA	453	3 UTR	0.0489	2
CDKN2AIPNL	NM_080656	7	459	ACAUUCA	453	3 UTR	0.0489	2
CDKN3	NM_005192	8	851	ACAUUCAA	844	3 UTR	0.0023	2
CDKN3	NM_005192	8	851	ACAUUCAA	844	3 UTR	0.0023	2
CDS1	NM_001263	8	3949	ACAUUCAA	3942	3 UTR	0.0398	2
CDS1	NM_001263	8	3949	ACAUUCAA	3942	3 UTR	0.0398	2
CDYL	NM_170751	8	3192	ACAUUCAA	3185	3 UTR	0.0227	2
CDYL	NM_170751	8	3192	ACAUUCAA	3185	3 UTR	0.0227	2
CEBPG	NM_001806	9	784	AACAUUCAA	776	3 UTR	0.0114	1

CEBPG	NM_001806	8	2690	ACAUUCAA	2683	3 UTR	0.0449	2
CEBPG	NM_001806	8	783	ACAUUCAA	776	3 UTR	0.0449	2
CEBPG	NM_001806	9	784	AACAUUCAA	776	3 UTR	0.0114	1
CEBPG	NM_001806	8	2690	ACAUUCAA	2683	3 UTR	0.0449	2
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CENPI	NM_006733	8	2550	AACAUUCA	2543	3 UTR	0.0005	1
CENPI	NM_006733	7	2549	ACAUUCA	2543	3 UTR	0.0018	2
CENPI	NM_006733	8	2550	AACAUUCA	2543	3 UTR	0.0005	1
CENPI	NM_006733	7	2549	ACAUUCA	2543	3 UTR	0.0018	2
CENTD3	NM_022481	7	4954	ACAUUCA	4948	3 UTR	0.0341	2
CENTD3	NM_022481	7	4954	ACAUUCA	4948	3 UTR	0.0341	2
CEP135	NM_025009	8	5581	AACAUUCA	5574	3 UTR	0.0305	1
CEP135	NM_025009	8	5581	AACAUUCA	5574	3 UTR	0.0305	1
CER1	NM_005454	7	1067	AACAUUC	1061	3 UTR	0.0216	1
CER1	NM_005454	7	1067	AACAUUC	1061	3 UTR	0.0216	1
CETN3	NM_004365	7	659	AACAUUC	653	3 UTR	0.0222	1
CETN3	NM_004365	8	872	ACAUUCAA	865	3 UTR	0.0056	2
CETN3	NM_004365	7	659	AACAUUC	653	3 UTR	0.0222	1
CETN3	NM_004365	8	872	ACAUUCAA	865	3 UTR	0.0056	2
CFL1	NM_005507	7	1139	AACAUUC	1133	3 UTR	0.0315	1
CFL1	NM_005507	7	1139	AACAUUC	1133	3 UTR	0.0315	1
CFL2	NM_138638	8	2357	ACAUUCAA	2350	3 UTR	0.0371	2
CFL2	NM_138638	8	2357	ACAUUCAA	2350	3 UTR	0.0371	2
CHCHD7	NM_001011667	9	553	AACAUUCAA	545	3 UTR	0.0051	1
CHCHD7	NM_001011667	8	552	ACAUUCAA	545	3 UTR	0.0204	2
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CHD2	NM_001271	8	6406	AACAUUCA	6399	3 UTR	0.0493	1
CHD2	NM_001271	8	6406	AACAUUCA	6399	3 UTR	0.0493	1
CHD7	NM_017780	9	10058	ACAUUCAAC	10050	3 UTR	0.0038	2
CHD7	NM_017780	9	10058	ACAUUCAAC	10050	3 UTR	0.0038	2
CHMP2B	NM_014043	8	2462	ACAUUCAA	2455	3 UTR	0.0262	2
CHMP2B	NM_014043	8	2462	ACAUUCAA	2455	3 UTR	0.0262	2
CHRNA9	NM_017581	7	1598	ACAUUCA	1592	3 UTR	0.0263	2
CHRNA9	NM_017581	7	1598	ACAUUCA	1592	3 UTR	0.0263	2
CHST9	NM_031422	10	3110	AACAUUCAAC	3101	3 UTR	0.0006	1
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CIDEA	NM_198289	7	1015	AACAUUC	1009	3 UTR	0.0226	1
CIT	NM_007174	9	8015	AACAUUCAA	8007	3 UTR	0.0093	1
CIT	NM_007174	8	8014	ACAUUCAA	8007	3 UTR	0.0365	2
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CLCC1	NM_001048210	10	2426	AACAUUCAAC	2417	3 UTR	0.0029	1
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CLCN6	NM_001286	8	4736	AACAUUCA	4729	3 UTR	0.0436	1
CLCN6	NM_001286	8	4736	AACAUUCA	4729	3 UTR	0.0436	1
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CLEC12A	NM_138337	8	1157	AACAUUCA	1150	3 UTR	0.0096	1
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CLEC3A	NM_005752	8	1830	ACAUUCAA	1823	3 UTR	0.0195	2
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CLIP1	NM_002956	8	5613	ACAUUCAA	5606	3 UTR	0.0220	2
CLIP1	NM_002956	8	5613	ACAUUCAA	5606	3 UTR	0.0220	2
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CLMN	NM_024734	9	12375	AACAUUCAA	12367	3 UTR	0.0361	1
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CMPK2	NM_207315	8	2464	ACAUUCAA	2457	3 UTR	0.0234	2
CNGB1	NM_001297	8	4209	ACAUUCAA	4202	3 UTR	0.0277	2
CNGB1	NM_001297	8	4209	ACAUUCAA	4202	3 UTR	0.0277	2
CNNM2	NM_017649	8	3504	AACAUUCA	3497	3 UTR	0.0199	1
CNNM2	NM_017649	8	3504	AACAUUCA	3497	3 UTR	0.0199	1
CNOT1	NM_016284	9	8317	AACAUUCAA	8309	3 UTR	0.0039	1
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CNOT4	NM_013316	10	2459	AACAUUCAAC	2450	3 UTR	0.0011	1
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CNTN1	NM_001843	7	3174	ACAUUCA	3168	3 UTR	0.0156	2
CNTN1	NM_001843	7	3174	ACAUUCA	3168	3 UTR	0.0156	2
CNTN4	NM_175607	8	4221	ACAUUCAA	4214	3 UTR	0.0262	2
CNTN4	NM_175607	8	4221	ACAUUCAA	4214	3 UTR	0.0262	2
CNTNAP4	NM_033401	7	4403	ACAUUCA	4397	3 UTR	0.0333	2
CNTNAP4	NM_033401	7	4403	ACAUUCA	4397	3 UTR	0.0333	2
COASY	NM_025233	8	2547	AACAUUCA	2540	3 UTR	0.0047	1
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COL16A1	NM_001856	8	5265	AACAUUCA	5258	3 UTR	0.0061	1
COL16A1	NM_001856	7	5264	ACAUUCA	5258	3 UTR	0.0244	2
COL16A1	NM_001856	8	5265	AACAUUCA	5258	3 UTR	0.0061	1
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COL19A1	NM_001858	10	4030	AACAUUCAAC	4021	3 UTR	0.0049	1
COL19A1	NM_001858	9	4029	ACAUUCAAC	4021	3 UTR	0.0196	2
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COL19A1	NM_001858	9	4029	ACAUUCAAC	4021	3 UTR	0.0196	2
COL1A2	NM_000089	7	5089	AACAUUC	5083	3 UTR	0.0499	1
COL1A2	NM_000089	7	5089	AACAUUC	5083	3 UTR	0.0499	1
COL5A1	NM_000093	8	7309	AACAUUCA	7302	3 UTR	0.0380	1
COL5A1	NM_000093	8	7309	AACAUUCA	7302	3 UTR	0.0380	1
COL6A3	NM_004369	9	10052	AACAUUCAA	10044	3 UTR	0.0030	1
COL6A3	NM_004369	8	10051	ACAUUCAA	10044	3 UTR	0.0118	2
COL6A3	NM_004369	9	10052	AACAUUCAA	10044	3 UTR	0.0030	1
COL6A3	NM_004369	8	10051	ACAUUCAA	10044	3 UTR	0.0118	2
COPS2	NM_004236	8	2349	AACAUUCA	2342	3 UTR	0.0092	1
COPS2	NM_004236	7	2304	AACAUUC	2298	3 UTR	0.0362	1
COPS2	NM_004236	8	2726	ACAUUCAA	2719	3 UTR	0.0092	2
COPS2	NM_004236	7	2348	ACAUUCA	2342	3 UTR	0.0362	2
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COPS2	NM_004236	7	2348	ACAUUCA	2342	3 UTR	0.0362	2
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COQ2	NM_015697	7	1483	ACAUUCA	1477	3 UTR	0.0236	2
CORO1C	NM_014325	8	3313	AACAUUCA	3306	3 UTR	0.0346	1
CORO1C	NM_014325	8	3313	AACAUUCA	3306	3 UTR	0.0346	1
COX11	NM_004375	8	1568	AACAUUCA	1561	3 UTR	0.0277	1
COX11	NM_004375	8	1568	AACAUUCA	1561	3 UTR	0.0277	1
CP110	NM_014711	8	4080	ACAUUCAA	4073	3 UTR	0.0323	2
CP110	NM_014711	8	4080	ACAUUCAA	4073	3 UTR	0.0323	2
CPA6	NM_020361	7	1825	AACAUUC	1819	3 UTR	0.0204	1
CPA6	NM_020361	7	1825	AACAUUC	1819	3 UTR	0.0204	1
CPD	NM_001304	9	5552	AACAUUCAA	5544	3 UTR	0.0146	1
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CPNE2	NM_152727	8	2129	ACAUUCAA	2122	3 UTR	0.0047	2
CPNE2	NM_152727	8	2129	ACAUUCAA	2122	3 UTR	0.0047	2
CPNE4	NM_130808	8	2478	AACAUUCA	2471	3 UTR	0.0073	1
CPNE4	NM_130808	7	2477	ACAUUCA	2471	3 UTR	0.0288	2
CPNE4	NM_130808	8	2478	AACAUUCA	2471	3 UTR	0.0073	1
CPNE4	NM_130808	7	2477	ACAUUCA	2471	3 UTR	0.0288	2
CPOX	NM_000097	11	2596	AACAUUCAACG	2586	3 UTR	0.0003	1
CPOX	NM_000097	10	2595	ACAUUCAACG	2586	3 UTR	0.0012	2
CPOX	NM_000097	8	2184	ACAUUCAA	2177	3 UTR	0.0190	2
CPOX	NM_000097	11	2596	AACAUUCAACG	2586	3 UTR	0.0003	1
CPOX	NM_000097	10	2595	ACAUUCAACG	2586	3 UTR	0.0012	2
CPOX	NM_000097	8	2184	ACAUUCAA	2177	3 UTR	0.0190	2
CREB1	NM_134442	8	9255	AACAUUCA	9248	3 UTR	0.0271	1
CREB1	NM_134442	8	1452	AACAUUCA	1445	3 UTR	0.0271	1
CREB1	NM_134442	8	9255	AACAUUCA	9248	3 UTR	0.0271	1
CREB1	NM_134442	8	1452	AACAUUCA	1445	3 UTR	0.0271	1
CREBL2	NM_001310	8	1531	AACAUUCA	1524	3 UTR	0.0463	1
CREBL2	NM_001310	8	1531	AACAUUCA	1524	3 UTR	0.0463	1
CREG2	NM_153836	8	2866	AACAUUCA	2859	3 UTR	0.0384	1
CREG2	NM_153836	8	2866	AACAUUCA	2859	3 UTR	0.0384	1
CRH	NM_000756	7	1245	AACAUUC	1239	3 UTR	0.0302	1
CRH	NM_000756	7	1245	AACAUUC	1239	3 UTR	0.0302	1
CRHBP	NM_001882	7	1828	AACAUUC	1822	3 UTR	0.0363	1

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CRIM1	NM_016441	9	4345	ACAUUCAAC	4337	3 UTR	0.0093	2
CRIM1	NM_016441	9	4345	ACAUUCAAC	4337	3 UTR	0.0093	2
CRISPLD1	NM_031461	8	2227	ACAUUCAA	2220	3 UTR	0.0347	2
CRISPLD1	NM_031461	8	2227	ACAUUCAA	2220	3 UTR	0.0347	2
CRY2	NM_021117	8	2066	AACAUUCA	2059	3 UTR	0.0350	1
CRY2	NM_021117	8	2066	AACAUUCA	2059	3 UTR	0.0350	1
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CSDA	NM_003651	7	1521	AACAUUC	1515	3 UTR	0.0370	1
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CSDA	NM_003651	7	1521	AACAUUC	1515	3 UTR	0.0370	1
CSNK2A2	NM_001896	7	1474	AACAUUC	1468	3 UTR	0.0288	1
CSNK2A2	NM_001896	7	1474	AACAUUC	1468	3 UTR	0.0288	1
CSRP3	NM_003476	8	852	AACAUUCA	845	3 UTR	0.0097	1
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CTAGE1	NM_172241	8	3527	ACAUUCAA	3520	3 UTR	0.0297	2
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CTH	NM_001902	7	1739	AACAUUC	1733	3 UTR	0.0275	1
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CTNNA1	NM_001903	9	3711	AACAUUCAA	3703	3 UTR	0.0037	1
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CTNND1	NM_001085458	8	5835	ACAUUCAA	5828	3 UTR	0.0431	2
CTNND1	NM_001085458	8	5835	ACAUUCAA	5828	3 UTR	0.0431	2
CUBN	NM_001081	8	11896	AACAUUCA	11889	3 UTR	0.0153	1
CUBN	NM_001081	8	11896	AACAUUCA	11889	3 UTR	0.0153	1
CXCL1	NM_001511	7	722	AACAUUC	716	3 UTR	0.0418	1
CXCL1	NM_001511	7	883	ACAUUCA	877	3 UTR	0.0418	2
CXCL1	NM_001511	7	722	AACAUUC	716	3 UTR	0.0418	1
CXCL1	NM_001511	7	883	ACAUUCA	877	3 UTR	0.0418	2
CXCL2	NM_002089	7	969	ACAUUCA	963	3 UTR	0.0447	2

CXCL2	NM_002089	7	969	ACAUUCA	963	3 UTR	0.0447	2
CXorf30	NM_001098843	8	2729	AACAUUCA	2722	3 UTR	0.0049	1
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CYB5R4	NM_016230	7	2160	AACAUUC	2154	3 UTR	0.0337	1
CYP11B1	NM_000497	8	3503	ACAUUCAA	3496	3 UTR	0.0305	2
CYP11B1	NM_000497	8	3503	ACAUUCAA	3496	3 UTR	0.0305	2
CYP19A1	NM_031226	8	4088	ACAUUCAA	4081	3 UTR	0.0414	2
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CYP26A1	NM_057157	8	1678	ACAUUCAA	1671	3 UTR	0.0088	2
CYP26A1	NM_057157	9	1679	AACAUUCAA	1671	3 UTR	0.0022	1
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CYP26B1	NM_019885	8	4455	AACAUUCA	4448	3 UTR	0.0447	1
CYP2C8	NM_000770	7	1891	ACAUUCA	1885	3 UTR	0.0215	2
CYP2C8	NM_000770	7	1891	ACAUUCA	1885	3 UTR	0.0215	2
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CYP4F2	NM_001082	7	1781	ACAUUCA	1775	3 UTR	0.0446	2
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CYP7A1	NM_000780	8	1835	AACAUUCA	1828	3 UTR	0.0196	1
CYR61	NM_001554	8	1896	AACAUUCA	1889	3 UTR	0.0140	1
CYR61	NM_001554	8	1896	AACAUUCA	1889	3 UTR	0.0140	1
D4S234E	NM_014392	8	2690	ACAUUCAA	2683	3 UTR	0.0244	2
D4S234E	NM_014392	8	2690	ACAUUCAA	2683	3 UTR	0.0244	2
DAD1	NM_001344	7	469	AACAUUC	463	3 UTR	0.0175	1
DAD1	NM_001344	7	469	AACAUUC	463	3 UTR	0.0175	1
DAK	NM_015533	8	3982	AACAUUCA	3975	3 UTR	0.0339	1
DAK	NM_015533	8	3982	AACAUUCA	3975	3 UTR	0.0339	1
DARS	NM_001349	7	2163	ACAUUCA	2157	3 UTR	0.0378	2
DARS	NM_001349	7	2163	ACAUUCA	2157	3 UTR	0.0378	2
DAXX	NM_001350	7	2459	AACAUUC	2453	3 UTR	0.0084	1
DAXX	NM_001350	7	2459	AACAUUC	2453	3 UTR	0.0084	1
DCLK3	NM_033403	8	5235	ACAUUCAA	5228	3 UTR	0.0434	2
DCLK3	NM_033403	8	5235	ACAUUCAA	5228	3 UTR	0.0434	2
DCN	NM_001920	9	2190	ACAUUCAAC	2182	3 UTR	0.0031	2

DCN	NM_001920	8	1939	ACAUUCAA	1932	3 UTR	0.0124	2
DCN	NM_001920	9	2190	ACAUUCAAC	2182	3 UTR	0.0031	2
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DCUN1D1	NM_020640	9	1702	AACAUUCAA	1694	3 UTR	0.0090	1
DCUN1D1	NM_020640	8	1701	ACAUUCAA	1694	3 UTR	0.0354	2
DCUN1D1	NM_020640	9	1702	AACAUUCAA	1694	3 UTR	0.0090	1
DCUN1D1	NM_020640	8	1701	ACAUUCAA	1694	3 UTR	0.0354	2
DDHD1	NM_030637	7	11080	AACAUUC	11074	3 UTR	0.0453	1
DDHD1	NM_030637	7	11080	AACAUUC	11074	3 UTR	0.0453	1
DDO	NM_003649	8	1543	AACAUUCA	1536	3 UTR	0.0094	1
DDO	NM_003649	7	1542	ACAUUCA	1536	3 UTR	0.0371	2
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DDX20	NM_007204	8	3385	ACAUUCAA	3378	3 UTR	0.0103	2
DDX20	NM_007204	8	3385	ACAUUCAA	3378	3 UTR	0.0103	2
DDX3X	NM_001356	9	4748	AACAUUCAA	4740	3 UTR	0.0098	1
DDX3X	NM_001356	9	4754	ACAUUCAAC	4746	3 UTR	0.0098	2
DDX3X	NM_001356	8	4747	ACAUUCAA	4740	3 UTR	0.0387	2
DDX3X	NM_001356	9	4748	AACAUUCAA	4740	3 UTR	0.0098	1
DDX3X	NM_001356	9	4754	ACAUUCAAC	4746	3 UTR	0.0098	2
DDX3X	NM_001356	8	4747	ACAUUCAA	4740	3 UTR	0.0387	2
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DDX3Y	NM_001122665	8	4126	ACAUUCAA	4119	3 UTR	0.0353	2
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DDX3Y	NM_001122665	8	4126	ACAUUCAA	4119	3 UTR	0.0353	2
DDX43	NM_018665	7	2525	AACAUUC	2519	3 UTR	0.0128	1
DDX43	NM_018665	7	2525	AACAUUC	2519	3 UTR	0.0128	1
DDX5	NM_004396	8	3286	AACAUUCA	3279	3 UTR	0.0047	1
DDX5	NM_004396	7	3285	ACAUUCA	3279	3 UTR	0.0187	2
DDX5	NM_004396	7	3022	ACAUUCA	3016	3 UTR	0.0187	2
DDX5	NM_004396	8	3286	AACAUUCA	3279	3 UTR	0.0047	1
DDX5	NM_004396	7	3285	ACAUUCA	3279	3 UTR	0.0187	2
DDX5	NM_004396	7	3022	ACAUUCA	3016	3 UTR	0.0187	2
DDX52	NM_152300	9	3091	AACAUUCAA	3083	3 UTR	0.0073	1
DDX52	NM_152300	8	2012	AACAUUCA	2005	3 UTR	0.0290	1
DDX52	NM_152300	8	3090	ACAUUCAA	3083	3 UTR	0.0290	2

DDX52	NM_152300	9	3091	AACAUUCAA	3083	3 UTR	0.0073	1
DDX52	NM_152300	8	2012	AACAUUCA	2005	3 UTR	0.0290	1
DDX52	NM_152300	8	3090	ACAUUCAA	3083	3 UTR	0.0290	2
DDX55	NM_020936	7	2435	ACAUUCA	2429	3 UTR	0.0483	2
DDX55	NM_020936	7	2435	ACAUUCA	2429	3 UTR	0.0483	2
DDX60	NM_017631	7	5727	AACAUUC	5721	3 UTR	0.0391	1
DDX60	NM_017631	7	5727	AACAUUC	5721	3 UTR	0.0391	1
DDX60L	NM_001012967	8	6647	ACAUUCAA	6640	3 UTR	0.0213	2
DDX60L	NM_001012967	8	6647	ACAUUCAA	6640	3 UTR	0.0213	2
Dec-01	NM_017418	8	736	ACAUUCAA	729	3 UTR	0.0079	2
Dec-01	NM_017418	8	736	ACAUUCAA	729	3 UTR	0.0079	2
DENND1A	NM_020946	9	4382	AACAUUCAA	4374	3 UTR	0.0068	1
DENND1A	NM_020946	8	4381	ACAUUCAA	4374	3 UTR	0.0268	2
DENND1A	NM_020946	9	4382	AACAUUCAA	4374	3 UTR	0.0068	1
DENND1A	NM_020946	8	4381	ACAUUCAA	4374	3 UTR	0.0268	2
DENND4C	NM_017925	8	5241	ACAUUCAA	5234	3 UTR	0.0296	2
DENND4C	NM_017925	8	5241	ACAUUCAA	5234	3 UTR	0.0296	2
DEPDC5	NM_014662	7	5185	ACAUUCA	5179	3 UTR	0.0320	2
DEPDC5	NM_014662	7	5185	ACAUUCA	5179	3 UTR	0.0320	2
DEPDC6	NM_022783	10	2180	AACAUUCAAC	2171	3 UTR	0.0012	1
DEPDC6	NM_022783	9	2179	ACAUUCAAC	2171	3 UTR	0.0046	2
DEPDC6	NM_022783	10	2180	AACAUUCAAC	2171	3 UTR	0.0012	1
DEPDC6	NM_022783	9	2179	ACAUUCAAC	2171	3 UTR	0.0046	2
DGCR2	NM_005137	10	3129	ACAUUCAACG	3120	3 UTR	0.0025	2
DGCR2	NM_005137	10	3129	ACAUUCAACG	3120	3 UTR	0.0025	2
DGKE	NM_003647	7	7200	AACAUUC	7194	3 UTR	0.0460	1
DGKE	NM_003647	7	7200	AACAUUC	7194	3 UTR	0.0460	1
DGKH	NM_178009	7	4028	AACAUUC	4022	3 UTR	0.0338	1
DGKH	NM_178009	8	4156	ACAUUCAA	4149	3 UTR	0.0086	2
DGKH	NM_178009	7	4028	AACAUUC	4022	3 UTR	0.0338	1
DGKH	NM_178009	8	4156	ACAUUCAA	4149	3 UTR	0.0086	2
DHRS9	NM_005771	8	2820	AACAUUCA	2813	3 UTR	0.0064	1
DHRS9	NM_005771	7	2819	ACAUUCA	2813	3 UTR	0.0252	2
DHRS9	NM_005771	8	2820	AACAUUCA	2813	3 UTR	0.0064	1
DHRS9	NM_005771	7	2819	ACAUUCA	2813	3 UTR	0.0252	2
DHX29	NM_019030	7	4432	ACAUUCA	4426	3 UTR	0.0158	2
DHX29	NM_019030	7	4432	ACAUUCA	4426	3 UTR	0.0158	2
DHX33	NM_020162	8	2540	AACAUUCA	2533	3 UTR	0.0293	1

DHX33	NM_020162	8	2540	AACAUUCA	2533	3 UTR	0.0293	1
DHX57	NM_198963	7	4563	ACAUUCA	4557	3 UTR	0.0351	2
DHX57	NM_198963	7	4563	ACAUUCA	4557	3 UTR	0.0351	2
DIP2C	NM_014974	10	7427	AACAUUCAAC	7418	3 UTR	0.0030	1
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DIRAS3	NM_004675	7	1246	ACAUUCA	1240	3 UTR	0.0393	2
DIRAS3	NM_004675	7	1246	ACAUUCA	1240	3 UTR	0.0393	2
DKC1	NM_001363	7	2432	AACAUUC	2426	3 UTR	0.0493	1
DKC1	NM_001363	7	2432	AACAUUC	2426	3 UTR	0.0493	1
DMGDH	NM_013391	8	2837	AACAUUCA	2830	3 UTR	0.0076	1
DMGDH	NM_013391	7	2836	ACAUUCA	2830	3 UTR	0.0299	2
DMGDH	NM_013391	8	2837	AACAUUCA	2830	3 UTR	0.0076	1
DMGDH	NM_013391	7	2836	ACAUUCA	2830	3 UTR	0.0299	2
DMRT3	NM_021240	8	1678	AACAUUCA	1671	3 UTR	0.0110	1
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DMRT3	NM_021240	7	1677	ACAUUCA	1671	3 UTR	0.0434	2
DMXL2	NM_015263	8	10181	AACAUUCA	10174	3 UTR	0.0188	1
DMXL2	NM_015263	8	10181	AACAUUCA	10174	3 UTR	0.0188	1
DNAH8	NM_001371	8	14274	AACAUUCA	14267	3 UTR	0.0061	1
DNAH8	NM_001371	7	14273	ACAUUCA	14267	3 UTR	0.0241	2
DNAH8	NM_001371	8	14274	AACAUUCA	14267	3 UTR	0.0061	1
DNAH8	NM_001371	7	14273	ACAUUCA	14267	3 UTR	0.0241	2
DNAJB1	NM_006145	8	1190	AACAUUCA	1183	3 UTR	0.0177	1
DNAJB1	NM_006145	8	1190	AACAUUCA	1183	3 UTR	0.0177	1
DNAJC13	NM_015268	8	7474	ACAUUCAA	7467	3 UTR	0.0114	2
DNAJC13	NM_015268	8	7474	ACAUUCAA	7467	3 UTR	0.0114	2
DNAJC3	NM_006260	9	5051	ACAUUCAAC	5043	3 UTR	0.0000	2
DNAJC3	NM_006260	9	5051	ACAUUCAAC	5043	3 UTR	0.0000	2
DNAJC7	NM_003315	8	1781	ACAUUCAA	1774	3 UTR	0.0042	2
DNAJC7	NM_003315	8	1781	ACAUUCAA	1774	3 UTR	0.0042	2
DNHD1	NM_144666	7	12534	ACAUUCA	12528	3 UTR	0.0020	2
DNHD1	NM_144666	7	11804	ACAUUCA	11798	3 UTR	0.0020	2
DNHD1	NM_144666	7	12534	ACAUUCA	12528	3 UTR	0.0020	2
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DOCK10	NM_014689	8	7132	AACAUUCA	7125	3 UTR	0.0096	1

DOCK10	NM_014689	8	7132	AACAUUCA	7125	3 UTR	0.0096	1
DOCK4	NM_014705	8	7807	ACAUUCAA	7800	3 UTR	0.0326	2
DOCK4	NM_014705	8	7807	ACAUUCAA	7800	3 UTR	0.0326	2
DOCK7	NM_033407	8	6759	AACAUUCA	6752	3 UTR	0.0106	1
DOCK7	NM_033407	7	6758	ACAUUCA	6752	3 UTR	0.0418	2
DOCK7	NM_033407	8	6759	AACAUUCA	6752	3 UTR	0.0106	1
DOCK7	NM_033407	7	6758	ACAUUCA	6752	3 UTR	0.0418	2
DOK6	NM_152721	7	6166	AACAUUC	6160	3 UTR	0.0461	1
DOK6	NM_152721	7	6166	AACAUUC	6160	3 UTR	0.0461	1
DOPEY1	NM_015018	7	7818	ACAUUCA	7812	3 UTR	0.0157	2
DOPEY1	NM_015018	7	7818	ACAUUCA	7812	3 UTR	0.0157	2
DOPEY2	NM_005128	7	7664	AACAUUC	7658	3 UTR	0.0426	1
DOPEY2	NM_005128	7	7664	AACAUUC	7658	3 UTR	0.0426	1
DPH3	NM_001047434	7	1095	AACAUUC	1089	3 UTR	0.0185	1
DPH3	NM_001047434	7	1095	AACAUUC	1089	3 UTR	0.0185	1
DPP10	NM_020868	8	4822	ACAUUCAA	4815	3 UTR	0.0303	2
DPP10	NM_020868	8	4822	ACAUUCAA	4815	3 UTR	0.0303	2
DPY19L1	NM_015283	8	2316	ACAUUCAA	2309	3 UTR	0.0404	2
DPY19L1	NM_015283	8	2316	ACAUUCAA	2309	3 UTR	0.0404	2
DPY19L2	NM_173812	8	2638	ACAUUCAA	2631	3 UTR	0.0242	2
DPY19L2	NM_173812	8	2638	ACAUUCAA	2631	3 UTR	0.0242	2
DR1	NM_001938	8	2838	AACAUUCA	2831	3 UTR	0.0296	1
DR1	NM_001938	8	2838	AACAUUCA	2831	3 UTR	0.0296	1
DSE	NM_013352	8	3926	AACAUUCA	3919	3 UTR	0.0147	1
DSE	NM_013352	8	3926	AACAUUCA	3919	3 UTR	0.0147	1
DYNC1LI2	NM_006141	8	2943	AACAUUCA	2936	3 UTR	0.0424	1
DYNC1LI2	NM_006141	8	2641	AACAUUCA	2634	3 UTR	0.0424	1
DYNC1LI2	NM_006141	8	1991	AACAUUCA	1984	3 UTR	0.0424	1
DYNC1LI2	NM_006141	8	2943	AACAUUCA	2936	3 UTR	0.0424	1
DYNC1LI2	NM_006141	8	2641	AACAUUCA	2634	3 UTR	0.0424	1
DYNC1LI2	NM_006141	8	1991	AACAUUCA	1984	3 UTR	0.0424	1
DYNC2H1	NM_001080463	7	13523	ACAUUCA	13517	3 UTR	0.0365	2
DYNC2H1	NM_001080463	7	13523	ACAUUCA	13517	3 UTR	0.0365	2
DYNLRB1	NM_014183	7	406	AACAUUC	400	3 UTR	0.0212	1
DYNLRB1	NM_014183	7	406	AACAUUC	400	3 UTR	0.0212	1
DYRK2	NM_006482	9	5940	ACAUUCAAC	5932	3 UTR	0.0150	2
DYRK2	NM_006482	9	5940	ACAUUCAAC	5932	3 UTR	0.0150	2
E2F5	NM_001951	7	1167	ACAUUCA	1161	3 UTR	0.0398	2

E2F5	NM_001951	7	1167	ACAUUCA	1161	3 UTR	0.0398	2
EDG1	NM_001400	8	2750	ACAUUCAA	2743	3 UTR	0.0209	2
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EDG1	NM_001400	8	2688	ACAUUCAA	2681	3 UTR	0.0209	2
EDNRA	NM_001957	8	2339	AACAUUCA	2332	3 UTR	0.0353	1
EDNRA	NM_001957	8	2339	AACAUUCA	2332	3 UTR	0.0353	1
EDNRB	NM_001122659	8	3285	ACAUUCAA	3278	3 UTR	0.0408	2
EDNRB	NM_001122659	8	3285	ACAUUCAA	3278	3 UTR	0.0408	2
EED	NM_152991	7	2321	ACAUUCA	2315	3 UTR	0.0449	2
EED	NM_152991	7	2321	ACAUUCA	2315	3 UTR	0.0449	2
EEF1E1	NM_004280	8	750	AACAUUCA	743	3 UTR	0.0077	1
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EEF1E1	NM_004280	8	750	AACAUUCA	743	3 UTR	0.0077	1
EEF1E1	NM_004280	7	749	ACAUUCA	743	3 UTR	0.0303	2
EFHA2	NM_181723	8	3293	AACAUUCA	3286	3 UTR	0.0355	1
EFHA2	NM_181723	8	3293	AACAUUCA	3286	3 UTR	0.0355	1
EFS	NM_005864	7	3052	ACAUUCA	3046	3 UTR	0.0499	2
EFS	NM_005864	7	3052	ACAUUCA	3046	3 UTR	0.0499	2
EGFL6	NM_015507	8	1907	AACAUUCA	1900	3 UTR	0.0075	1
EGFL6	NM_015507	7	1906	ACAUUCA	1900	3 UTR	0.0298	2
EGFL6	NM_015507	8	1907	AACAUUCA	1900	3 UTR	0.0075	1
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EGLN1	NM_022051	9	6285	AACAUUCAA	6277	3 UTR	0.0028	1
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EHF	NM_012153	9	2728	AACAUUCAA	2720	3 UTR	0.0099	1
EHF	NM_012153	8	2727	ACAUUCAA	2720	3 UTR	0.0389	2
EHF	NM_012153	9	2728	AACAUUCAA	2720	3 UTR	0.0099	1
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EIF1	NM_005801	7	865	AACAUUC	859	3 UTR	0.0488	1
EIF1	NM_005801	7	865	AACAUUC	859	3 UTR	0.0488	1
EIF2AK1	NM_014413	8	3941	ACAUUCAA	3934	3 UTR	0.0363	2
EIF2AK1	NM_014413	8	3941	ACAUUCAA	3934	3 UTR	0.0363	2
EIF2AK4	NM_001013703	7	5065	AACAUUC	5059	3 UTR	0.0319	1
EIF2AK4	NM_001013703	7	5065	AACAUUC	5059	3 UTR	0.0319	1
EIF2S3	NM_001415	8	3315	AACAUUCA	3308	3 UTR	0.0307	1

EIF2S3	NM_001415	8	3315	AACAUUCA	3308	3 UTR	0.0307	1
EIF4A2	NM_001967	9	1866	AACAUUCAA	1858	3 UTR	0.0024	1
EIF4A2	NM_001967	8	1865	ACAUUCAA	1858	3 UTR	0.0097	2
EIF4A2	NM_001967	9	1866	AACAUUCAA	1858	3 UTR	0.0024	1
EIF4A2	NM_001967	8	1865	ACAUUCAA	1858	3 UTR	0.0097	2
ELAVL2	NM_004432	9	2693	AACAUUCAA	2685	3 UTR	0.0093	1
ELAVL2	NM_004432	8	2692	ACAUUCAA	2685	3 UTR	0.0367	2
ELAVL2	NM_004432	9	2693	AACAUUCAA	2685	3 UTR	0.0093	1
ELAVL2	NM_004432	8	2692	ACAUUCAA	2685	3 UTR	0.0367	2
ELAVL4	NM_021952	9	1664	AACAUUCAA	1656	3 UTR	0.0009	1
ELAVL4	NM_021952	8	1663	ACAUUCAA	1656	3 UTR	0.0034	2
ELAVL4	NM_021952	9	1664	AACAUUCAA	1656	3 UTR	0.0009	1
ELAVL4	NM_021952	8	1663	ACAUUCAA	1656	3 UTR	0.0034	2
EN1	NM_001426	8	2679	ACAUUCAA	2672	3 UTR	0.0116	2
EN1	NM_001426	8	2679	ACAUUCAA	2672	3 UTR	0.0116	2
EN2	NM_001427	8	3282	AACAUUCA	3275	3 UTR	0.0323	1
EN2	NM_001427	8	3282	AACAUUCA	3275	3 UTR	0.0323	1
ENDOD1	NM_015036	9	4243	AACAUUCAA	4235	3 UTR	0.0117	1
ENDOD1	NM_015036	8	2910	AACAUUCA	2903	3 UTR	0.0458	1
ENDOD1	NM_015036	8	4242	ACAUUCAA	4235	3 UTR	0.0458	2
ENDOD1	NM_015036	9	4243	AACAUUCAA	4235	3 UTR	0.0117	1
ENDOD1	NM_015036	8	2910	AACAUUCA	2903	3 UTR	0.0458	1
ENDOD1	NM_015036	8	4242	ACAUUCAA	4235	3 UTR	0.0458	2
ENOX2	NM_182314	8	3223	AACAUUCA	3216	3 UTR	0.0291	1
ENOX2	NM_182314	8	3223	AACAUUCA	3216	3 UTR	0.0291	1
EPC2	NM_015630	8	3109	ACAUUCAA	3102	3 UTR	0.0180	2
EPC2	NM_015630	8	3109	ACAUUCAA	3102	3 UTR	0.0180	2
EPDR1	NM_017549	9	2297	ACAUUCAAC	2289	3 UTR	0.0059	2
EPDR1	NM_017549	9	2297	ACAUUCAAC	2289	3 UTR	0.0059	2
EPHA4	NM_004438	8	4481	AACAUUCA	4474	3 UTR	0.0500	1
EPHA4	NM_004438	8	4481	AACAUUCA	4474	3 UTR	0.0500	1
EPS8	NM_004447	8	3717	AACAUUCA	3710	3 UTR	0.0179	1
EPS8	NM_004447	8	3717	AACAUUCA	3710	3 UTR	0.0179	1
ERAP2	NM_022350	8	4804	ACAUUCAA	4797	3 UTR	0.0315	2
ERAP2	NM_022350	8	4804	ACAUUCAA	4797	3 UTR	0.0315	2
ERC2	NM_015576	8	3453	ACAUUCAA	3446	3 UTR	0.0449	2
ERC2	NM_015576	8	3453	ACAUUCAA	3446	3 UTR	0.0449	2
ERLIN2	NM_007175	10	3913	AACAUUCAAC	3904	3 UTR	0.0035	1

ERLIN2	NM_007175	9	3912	ACAUUCAAC	3904	3 UTR	0.0140	2
ERLIN2	NM_007175	10	3913	AACAUUCAAC	3904	3 UTR	0.0035	1
ERLIN2	NM_007175	9	3912	ACAUUCAAC	3904	3 UTR	0.0140	2
ERMAP	NM_001017922	9	3282	AACAUUCAA	3274	3 UTR	0.0068	1
ERMAP	NM_001017922	8	3281	ACAUUCAA	3274	3 UTR	0.0269	2
ERMAP	NM_001017922	9	3282	AACAUUCAA	3274	3 UTR	0.0068	1
ERMAP	NM_001017922	8	3281	ACAUUCAA	3274	3 UTR	0.0269	2
ESCO2	NM_001017420	8	2143	AACAUUCA	2136	3 UTR	0.0224	1
ESCO2	NM_001017420	8	2143	AACAUUCA	2136	3 UTR	0.0224	1
ESM1	NM_007036	8	2014	ACAUUCAA	2007	3 UTR	0.0221	2
ESM1	NM_007036	8	2014	ACAUUCAA	2007	3 UTR	0.0221	2
ETF1	NM_004730	8	2448	AACAUUCA	2441	3 UTR	0.0335	1
ETF1	NM_004730	8	2448	AACAUUCA	2441	3 UTR	0.0335	1
EVI5	NM_005665	9	6205	AACAUUCAA	6197	3 UTR	0.0187	1
EVI5	NM_005665	9	6205	AACAUUCAA	6197	3 UTR	0.0187	1
EXDL1	NM_152596	10	2312	AACAUUCAAC	2303	3 UTR	0.0012	1
EXDL1	NM_152596	9	2305	AACAUUCAA	2297	3 UTR	0.0046	1
EXDL1	NM_152596	9	2311	ACAUUCAAC	2303	3 UTR	0.0046	2
EXDL1	NM_152596	8	2304	ACAUUCAA	2297	3 UTR	0.0183	2
EXDL1	NM_152596	10	2312	AACAUUCAAC	2303	3 UTR	0.0012	1
EXDL1	NM_152596	9	2305	AACAUUCAA	2297	3 UTR	0.0046	1
EXDL1	NM_152596	9	2311	ACAUUCAAC	2303	3 UTR	0.0046	2
EXDL1	NM_152596	8	2304	ACAUUCAA	2297	3 UTR	0.0183	2
EXOC2	NM_018303	8	4369	AACAUUCA	4362	3 UTR	0.0234	1
EXOC2	NM_018303	8	4369	AACAUUCA	4362	3 UTR	0.0234	1
EXOC8	NM_175876	8	4374	ACAUUCAA	4367	3 UTR	0.0423	2
EXOC8	NM_175876	8	4374	ACAUUCAA	4367	3 UTR	0.0423	2
EXOSC2	NM_014285	8	1827	AACAUUCA	1820	3 UTR	0.0195	1
EXOSC2	NM_014285	8	1827	AACAUUCA	1820	3 UTR	0.0195	1
EXOSC3	NM_016042	7	952	ACAUUCA	946	3 UTR	0.0222	2
EXOSC3	NM_016042	7	952	ACAUUCA	946	3 UTR	0.0222	2
FAM100B	NM_182565	7	1376	ACAUUCA	1370	3 UTR	0.0472	2
FAM100B	NM_182565	7	1376	ACAUUCA	1370	3 UTR	0.0472	2
FAM102A	NM_001035254	8	2883	AACAUUCA	2876	3 UTR	0.0390	1
FAM102A	NM_001035254	8	2883	AACAUUCA	2876	3 UTR	0.0390	1
FAM104B	NM_138362	7	695	AACAUUC	689	3 UTR	0.0421	1
FAM104B	NM_138362	7	695	AACAUUC	689	3 UTR	0.0421	1
FAM105A	NM_019018	7	5024	AACAUUC	5018	3 UTR	0.0466	1

FAM105A	NM_019018	8	4556	ACAUUCAA	4549	3 UTR	0.0119	2
FAM105A	NM_019018	7	5024	AACAUUC	5018	3 UTR	0.0466	1
FAM105A	NM_019018	8	4556	ACAUUCAA	4549	3 UTR	0.0119	2
FAM107B	NM_031453	8	2167	ACAUUCAA	2160	3 UTR	0.0393	2
FAM107B	NM_031453	8	2167	ACAUUCAA	2160	3 UTR	0.0393	2
FAM118B	NM_024556	7	1390	AACAUUC	1384	3 UTR	0.0332	1
FAM118B	NM_024556	7	1390	AACAUUC	1384	3 UTR	0.0332	1
FAM119B	NM_206914	8	2480	ACAUUCAA	2473	3 UTR	0.0342	2
FAM119B	NM_206914	8	2480	ACAUUCAA	2473	3 UTR	0.0342	2
FAM135A	NM_001105531	9	5192	AACAUUCAA	5184	3 UTR	0.0048	1
FAM135A	NM_001105531	8	5191	ACAUUCAA	5184	3 UTR	0.0189	2
FAM135A	NM_001105531	9	5192	AACAUUCAA	5184	3 UTR	0.0048	1
FAM135A	NM_001105531	8	5191	ACAUUCAA	5184	3 UTR	0.0189	2
FAM135B	NM_015912	9	6023	ACAUUCAAC	6015	3 UTR	0.0098	2
FAM135B	NM_015912	9	6023	ACAUUCAAC	6015	3 UTR	0.0098	2
FAM13A1	NM_014883	8	4884	AACAUUCA	4877	3 UTR	0.0386	1
FAM13A1	NM_014883	8	4884	AACAUUCA	4877	3 UTR	0.0386	1
FAM24A	NM_001029888	7	498	AACAUUC	492	3 UTR	0.0095	1
FAM24A	NM_001029888	7	498	AACAUUC	492	3 UTR	0.0095	1
FAM26D	NM_153036	8	1064	AACAUUCA	1057	3 UTR	0.0100	1
FAM26D	NM_153036	7	1063	ACAUUCA	1057	3 UTR	0.0393	2
FAM26D	NM_153036	8	1064	AACAUUCA	1057	3 UTR	0.0100	1
FAM26D	NM_153036	7	1063	ACAUUCA	1057	3 UTR	0.0393	2
FAM3B	NM_058186	7	1358	ACAUUCA	1352	3 UTR	0.0318	2
FAM3B	NM_058186	7	1358	ACAUUCA	1352	3 UTR	0.0318	2
FAM43A	NM_153690	8	2990	AACAUUCA	2983	3 UTR	0.0148	1
FAM43A	NM_153690	8	2990	AACAUUCA	2983	3 UTR	0.0148	1
FAM47B	NM_152631	7	2044	ACAUUCA	2038	3 UTR	0.0090	2
FAM47B	NM_152631	7	2044	ACAUUCA	2038	3 UTR	0.0090	2
FAM54B	NM_019557	8	1624	AACAUUCA	1617	3 UTR	0.0141	1
FAM54B	NM_019557	8	1624	AACAUUCA	1617	3 UTR	0.0141	1
FAM58A	NM_152274	7	1241	ACAUUCA	1235	3 UTR	0.0276	2
FAM58A	NM_152274	7	1241	ACAUUCA	1235	3 UTR	0.0276	2
FAM70A	NM_017938	8	2822	AACAUUCA	2815	3 UTR	0.0335	1
FAM70A	NM_017938	8	2822	AACAUUCA	2815	3 UTR	0.0335	1
FAM71C	NM_153364	7	1507	ACAUUCA	1501	3 UTR	0.0397	2
FAM71C	NM_153364	7	1507	ACAUUCA	1501	3 UTR	0.0397	2
FAM71D	NM_173526	7	1527	ACAUUCA	1521	3 UTR	0.0140	2

FAM71D	NM_173526	7	1527	ACAUUCA	1521	3 UTR	0.0140	2
FAM84A	NM_145175	8	1976	ACAUUCAA	1969	3 UTR	0.0221	2
FAM84A	NM_145175	8	1976	ACAUUCAA	1969	3 UTR	0.0221	2
FANCM	NM_020937	8	6756	AACAUUCA	6749	3 UTR	0.0136	1
FANCM	NM_020937	8	6756	AACAUUCA	6749	3 UTR	0.0136	1
FASTKD1	NM_024622	8	2953	AACAUUCA	2946	3 UTR	0.0013	1
FASTKD1	NM_024622	7	2952	ACAUUCA	2946	3 UTR	0.0054	2
FASTKD1	NM_024622	8	2953	AACAUUCA	2946	3 UTR	0.0013	1
FASTKD1	NM_024622	7	2952	ACAUUCA	2946	3 UTR	0.0054	2
FBN2	NM_001999	9	9318	AACAUUCAA	9310	3 UTR	0.0059	1
FBN2	NM_001999	8	9317	ACAUUCAA	9310	3 UTR	0.0233	2
FBN2	NM_001999	9	9318	AACAUUCAA	9310	3 UTR	0.0059	1
FBN2	NM_001999	8	9317	ACAUUCAA	9310	3 UTR	0.0233	2
FBXL3	NM_012158	8	2157	AACAUUCA	2150	3 UTR	0.0286	1
FBXL3	NM_012158	8	2157	AACAUUCA	2150	3 UTR	0.0286	1
FBXO21	NM_033624	8	3019	ACAUUCAA	3012	3 UTR	0.0348	2
FBXO21	NM_033624	8	3019	ACAUUCAA	3012	3 UTR	0.0348	2
FBXO24	NM_033506	7	2173	AACAUUC	2167	3 UTR	0.0155	1
FBXO24	NM_033506	7	2173	AACAUUC	2167	3 UTR	0.0155	1
FBXO5	NM_012177	8	1490	AACAUUCA	1483	3 UTR	0.0100	1
FBXO5	NM_012177	7	1489	ACAUUCA	1483	3 UTR	0.0393	2
FBXO5	NM_012177	8	1490	AACAUUCA	1483	3 UTR	0.0100	1
FBXO5	NM_012177	7	1489	ACAUUCA	1483	3 UTR	0.0393	2
FBXW2	NM_012164	9	2183	AACAUUCAA	2175	3 UTR	0.0285	1
FBXW2	NM_012164	9	2183	AACAUUCAA	2175	3 UTR	0.0285	1
FCAMR	NM_001122980	8	2446	AACAUUCA	2439	3 UTR	0.0069	1
FCAMR	NM_001122980	7	2445	ACAUUCA	2439	3 UTR	0.0275	2
FCAMR	NM_001122980	8	2446	AACAUUCA	2439	3 UTR	0.0069	1
FCAMR	NM_001122980	7	2445	ACAUUCA	2439	3 UTR	0.0275	2
FDFT1	NM_004462	9	1775	AACAUUCAA	1767	3 UTR	0.0027	1
FDFT1	NM_004462	8	1774	ACAUUCAA	1767	3 UTR	0.0108	2
FDFT1	NM_004462	9	1775	AACAUUCAA	1767	3 UTR	0.0027	1
FDFT1	NM_004462	8	1774	ACAUUCAA	1767	3 UTR	0.0108	2
FGF7	NM_002009	8	3132	AACAUUCA	3125	3 UTR	0.0422	1
FGF7	NM_002009	8	3132	AACAUUCA	3125	3 UTR	0.0422	1
FHAD1	NM_052929	7	4584	ACAUUCA	4578	3 UTR	0.0426	2
FHAD1	NM_052929	7	4584	ACAUUCA	4578	3 UTR	0.0426	2
FIBCD1	NM_032843	8	1708	AACAUUCA	1701	3 UTR	0.0236	1

FIBCD1	NM_032843	8	1708	AACAUUCA	1701	3 UTR	0.0236	1
FIGN	NM_018086	8	2626	AACAUUCA	2619	3 UTR	0.0292	1
FIGN	NM_018086	8	4384	ACAUUCAA	4377	3 UTR	0.0292	2
FIGN	NM_018086	8	3371	ACAUUCAA	3364	3 UTR	0.0292	2
FIGN	NM_018086	8	2626	AACAUUCA	2619	3 UTR	0.0292	1
FIGN	NM_018086	8	4384	ACAUUCAA	4377	3 UTR	0.0292	2
FIGN	NM_018086	8	3371	ACAUUCAA	3364	3 UTR	0.0292	2
FKBP1A	NM_000801	9	1399	AACAUUCAA	1391	3 UTR	0.0044	1
FKBP1A	NM_000801	8	1398	ACAUUCAA	1391	3 UTR	0.0175	2
FKBP1A	NM_000801	9	1399	AACAUUCAA	1391	3 UTR	0.0044	1
FKBP1A	NM_000801	8	1398	ACAUUCAA	1391	3 UTR	0.0175	2
FKTN	NM_001079802	9	2805	ACAUUCAAC	2797	3 UTR	0.0221	2
FKTN	NM_001079802	9	2805	ACAUUCAAC	2797	3 UTR	0.0221	2
FLJ10213	NM_018029	7	1455	AACAUUC	1449	3 UTR	0.0263	1
FLJ10213	NM_018029	7	1289	AACAUUC	1283	3 UTR	0.0263	1
FLJ10213	NM_018029	7	1455	AACAUUC	1449	3 UTR	0.0263	1
FLJ10213	NM_018029	7	1289	AACAUUC	1283	3 UTR	0.0263	1
FLJ11151	NM_018340	9	3818	AACAUUCAA	3810	3 UTR	0.0193	1
FLJ11151	NM_018340	9	3818	AACAUUCAA	3810	3 UTR	0.0193	1
FLJ11184	NM_018352	8	1698	AACAUUCA	1691	3 UTR	0.0156	1
FLJ11184	NM_018352	8	1698	AACAUUCA	1691	3 UTR	0.0156	1
FLJ13137	NM_001085375	8	3929	AACAUUCA	3922	3 UTR	0.0470	1
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FLJ31818	NM_152556	8	2834	ACAUUCAA	2827	3 UTR	0.0392	2
FLJ31818	NM_152556	8	2834	ACAUUCAA	2827	3 UTR	0.0392	2
FLJ32549	NM_152440	9	2102	AACAUUCAA	2094	3 UTR	0.0047	1
FLJ32549	NM_152440	8	2101	ACAUUCAA	2094	3 UTR	0.0185	2
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FLJ32549	NM_152440	8	2101	ACAUUCAA	2094	3 UTR	0.0185	2
FLJ42957	NM_207436	8	1191	AACAUUCA	1184	3 UTR	0.0070	1
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FLJ42957	NM_207436	7	1190	ACAUUCA	1184	3 UTR	0.0279	2
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FMNL2	NM_052905	8	5104	AACAUUCA	5097	3 UTR	0.0290	1
FMNL2	NM_052905	8	5104	AACAUUCA	5097	3 UTR	0.0290	1
FNDC3A	NM_001079673	9	5728	ACAUUCAAC	5720	3 UTR	0.0091	2

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FNDC3B	NM_022763	9	6742	AACAUUCAA	6734	3 UTR	0.0123	1
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FOS	NM_005252	8	1897	AACAUUCA	1890	3 UTR	0.0119	1
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FPRL1	NM_001462	8	1743	AACAUUCA	1736	3 UTR	0.0124	1
FPRL1	NM_001462	7	1742	ACAUUCA	1736	3 UTR	0.0488	2
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FPRL2	NM_002030	8	2485	AACAUUCA	2478	3 UTR	0.0192	1
FPRL2	NM_002030	8	2485	AACAUUCA	2478	3 UTR	0.0192	1
FRAT2	NM_012083	8	1471	ACAUUCAA	1464	3 UTR	0.0210	2
FRAT2	NM_012083	8	1471	ACAUUCAA	1464	3 UTR	0.0210	2
FRMD7	NM_194277	8	3151	AACAUUCA	3144	3 UTR	0.0133	1
FRMD7	NM_194277	8	3151	AACAUUCA	3144	3 UTR	0.0133	1
FRMD8	NM_031904	9	3705	AACAUUCAA	3697	3 UTR	0.0083	1
FRMD8	NM_031904	8	3704	ACAUUCAA	3697	3 UTR	0.0328	2
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FRMD8	NM_031904	8	3704	ACAUUCAA	3697	3 UTR	0.0328	2
FUT1	NM_000148	8	3439	AACAUUCA	3432	3 UTR	0.0326	1
FUT1	NM_000148	8	3439	AACAUUCA	3432	3 UTR	0.0326	1
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FUT5	NM_002034	7	1581	ACAUUCA	1575	3 UTR	0.0462	2
G3BP2	NM_203505	8	4352	ACAUUCAA	4345	3 UTR	0.0398	2
G3BP2	NM_203505	8	4352	ACAUUCAA	4345	3 UTR	0.0398	2
GABRA1	NM_001127644	8	4246	AACAUUCA	4239	3 UTR	0.0380	1
GABRA1	NM_001127644	9	2794	ACAUUCAAC	2786	3 UTR	0.0096	2
GABRA1	NM_001127644	8	4246	AACAUUCA	4239	3 UTR	0.0380	1
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GAL3ST1	NM_004861	7	1726	AACAUUC	1720	3 UTR	0.0191	1
GALK2	NM_001001556	8	2146	ACAUUCAA	2139	3 UTR	0.0248	2

GALK2	NM_001001556	8	2146	ACAUUCAA	2139	3 UTR	0.0248	2
GALNT3	NM_004482	9	3093	AACAUUCAA	3085	3 UTR	0.0038	1
GALNT3	NM_004482	8	3092	ACAUUCAA	3085	3 UTR	0.0150	2
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GALNTL1	NM_020692	9	2691	ACAUUCAAC	2683	3 UTR	0.0044	2
GALNTL1	NM_020692	9	2691	ACAUUCAAC	2683	3 UTR	0.0044	2
GALNTL2	NM_054110	9	3777	ACAUUCAAC	3769	3 UTR	0.0085	2
GALNTL2	NM_054110	9	3777	ACAUUCAAC	3769	3 UTR	0.0085	2
GANC	NM_198141	8	4585	ACAUUCAA	4578	3 UTR	0.0233	2
GANC	NM_198141	8	4585	ACAUUCAA	4578	3 UTR	0.0233	2
GAPVD1	NM_015635	9	6573	AACAUUCAA	6565	3 UTR	0.0087	1
GAPVD1	NM_015635	8	6572	ACAUUCAA	6565	3 UTR	0.0342	2
GAPVD1	NM_015635	9	6573	AACAUUCAA	6565	3 UTR	0.0087	1
GAPVD1	NM_015635	8	6572	ACAUUCAA	6565	3 UTR	0.0342	2
GATA2	NM_032638	8	1943	AACAUUCA	1936	3 UTR	0.0242	1
GATA2	NM_032638	8	1943	AACAUUCA	1936	3 UTR	0.0242	1
GATM	NM_001482	8	2222	AACAUUCA	2215	3 UTR	0.0152	1
GATM	NM_001482	8	2222	AACAUUCA	2215	3 UTR	0.0152	1
GBF1	NM_004193	7	5967	AACAUUC	5961	3 UTR	0.0334	1
GBF1	NM_004193	7	5967	AACAUUC	5961	3 UTR	0.0334	1
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GBP6	NM_198460	8	2738	ACAUUCAA	2731	3 UTR	0.0402	2
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GCN1L1	NM_006836	7	8584	AACAUUC	8578	3 UTR	0.0401	1
GCNT2	NM_001491	9	3671	ACAUUCAAC	3663	3 UTR	0.0105	2
GCNT2	NM_001491	9	3671	ACAUUCAAC	3663	3 UTR	0.0105	2
GCS1	NM_006302	7	2843	ACAUUCA	2837	3 UTR	0.0141	2
GCS1	NM_006302	7	2843	ACAUUCA	2837	3 UTR	0.0141	2
GDI1	NM_001493	7	2411	ACAUUCA	2405	3 UTR	0.0488	2
GDI1	NM_001493	7	2411	ACAUUCA	2405	3 UTR	0.0488	2
GFPT1	NM_002056	9	6688	ACAUUCAAC	6680	3 UTR	0.0242	2
GFPT1	NM_002056	9	6688	ACAUUCAAC	6680	3 UTR	0.0242	2
GGA2	NM_015044	8	3172	ACAUUCAA	3165	3 UTR	0.0489	2
GGA2	NM_015044	8	3172	ACAUUCAA	3165	3 UTR	0.0489	2
GGPS1	NM_004837	8	1382	ACAUUCAA	1375	3 UTR	0.0266	2
GGPS1	NM_004837	8	1382	ACAUUCAA	1375	3 UTR	0.0266	2
GGT7	NM_178026	7	2634	AACAUUC	2628	3 UTR	0.0364	1

GGT7	NM_178026	7	2634	AACAUUC	2628	3 UTR	0.0364	1
GHITM	NM_014394	9	1975	AACAUUCAA	1967	3 UTR	0.0046	1
GHITM	NM_014394	8	1974	ACAUUCAA	1967	3 UTR	0.0182	2
GHITM	NM_014394	9	1975	AACAUUCAA	1967	3 UTR	0.0046	1
GHITM	NM_014394	8	1974	ACAUUCAA	1967	3 UTR	0.0182	2
GK	NM_001128127	8	2350	AACAUUCA	2343	3 UTR	0.0281	1
GK	NM_001128127	8	2350	AACAUUCA	2343	3 UTR	0.0281	1
GLDN	NM_181789	8	4431	AACAUUCA	4424	3 UTR	0.0485	1
GLDN	NM_181789	8	4431	AACAUUCA	4424	3 UTR	0.0485	1
GLRX	NM_002064	8	1003	ACAUUCAA	996	3 UTR	0.0171	2
GLRX	NM_002064	8	1003	ACAUUCAA	996	3 UTR	0.0171	2
GLS	NM_014905	8	3690	AACAUUCA	3683	3 UTR	0.0312	1
GLS	NM_014905	8	3690	AACAUUCA	3683	3 UTR	0.0312	1
GLYCTK	NM_145262	8	3749	AACAUUCA	3742	3 UTR	0.0057	1
GLYCTK	NM_145262	7	3748	ACAUUCA	3742	3 UTR	0.0226	2
GLYCTK	NM_145262	8	3749	AACAUUCA	3742	3 UTR	0.0057	1
GLYCTK	NM_145262	7	3748	ACAUUCA	3742	3 UTR	0.0226	2
GNA12	NM_007353	8	4347	AACAUUCA	4340	3 UTR	0.0460	1
GNA12	NM_007353	8	2573	AACAUUCA	2566	3 UTR	0.0460	1
GNA12	NM_007353	8	4347	AACAUUCA	4340	3 UTR	0.0460	1
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GNA14	NM_004297	7	2012	AACAUUC	2006	3 UTR	0.0224	1
GNA14	NM_004297	7	2012	AACAUUC	2006	3 UTR	0.0224	1
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GNS	NM_002076	8	3684	AACAUUCA	3677	3 UTR	0.0493	1
GOLGA7	NM_001002296	9	1328	AACAUUCAA	1320	3 UTR	0.0054	1
GOLGA7	NM_001002296	8	1327	ACAUUCAA	1320	3 UTR	0.0215	2
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GOLGA7	NM_001002296	8	1327	ACAUUCAA	1320	3 UTR	0.0215	2
GOT1	NM_002079	7	1844	ACAUUCA	1838	3 UTR	0.0412	2
GOT1	NM_002079	7	1844	ACAUUCA	1838	3 UTR	0.0412	2
GP5	NM_004488	8	3287	AACAUUCA	3280	3 UTR	0.0268	1
GP5	NM_004488	8	3029	ACAUUCAA	3022	3 UTR	0.0268	2
GP5	NM_004488	8	3287	AACAUUCA	3280	3 UTR	0.0268	1
GP5	NM_004488	8	3029	ACAUUCAA	3022	3 UTR	0.0268	2
GPBP1	NM_001127235	8	2955	AACAUUCA	2948	3 UTR	0.0128	1
GPBP1	NM_001127235	8	2955	AACAUUCA	2948	3 UTR	0.0128	1
GPC5	NM_004466	7	2608	ACAUUCA	2602	3 UTR	0.0488	2

GPC5	NM_004466	7	2608	ACAUUCA	2602	3 UTR	0.0488	2
GPC6	NM_005708	7	3789	AACAUUC	3783	3 UTR	0.0287	1
GPC6	NM_005708	7	4710	ACAUUCA	4704	3 UTR	0.0287	2
GPC6	NM_005708	7	3789	AACAUUC	3783	3 UTR	0.0287	1
GPC6	NM_005708	7	4710	ACAUUCA	4704	3 UTR	0.0287	2
GPLD1	NM_001503	8	2983	ACAUUCAA	2976	3 UTR	0.0130	2
GPLD1	NM_001503	8	2983	ACAUUCAA	2976	3 UTR	0.0130	2
GPR137B	NM_003272	7	1609	AACAUUC	1603	3 UTR	0.0450	1
GPR137B	NM_003272	7	1609	AACAUUC	1603	3 UTR	0.0450	1
GPR155	NM_001033045	9	5627	AACAUUCAA	5619	3 UTR	0.0169	1
GPR155	NM_001033045	9	5627	AACAUUCAA	5619	3 UTR	0.0169	1
GPR174	NM_032553	7	1060	ACAUUCA	1054	3 UTR	0.0133	2
GPR174	NM_032553	7	1060	ACAUUCA	1054	3 UTR	0.0133	2
GPR180	NM_180989	8	3433	AACAUUCA	3426	3 UTR	0.0377	1
GPR180	NM_180989	8	3433	AACAUUCA	3426	3 UTR	0.0377	1
GPR22	NM_005295	7	2780	ACAUUCA	2774	3 UTR	0.0198	2
GPR22	NM_005295	7	2780	ACAUUCA	2774	3 UTR	0.0198	2
GPR39	NM_001508	8	1835	ACAUUCAA	1828	3 UTR	0.0150	2
GPR39	NM_001508	8	1835	ACAUUCAA	1828	3 UTR	0.0150	2
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GPR64	NM_005756	8	4610	AACAUUCA	4603	3 UTR	0.0241	1
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GREM1	NM_013372	9	3673	AACAUUCAA	3665	3 UTR	0.0131	1
GRIK2	NM_175768	8	3316	AACAUUCA	3309	3 UTR	0.0268	1
GRIK2	NM_175768	8	3316	AACAUUCA	3309	3 UTR	0.0268	1
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GRM5	NM_000842	7	4486	ACAUUCA	4480	3 UTR	0.0491	2
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GRM8	NM_001127323	7	3849	AACAUUC	3843	3 UTR	0.0353	1
GRM8	NM_001127323	7	3849	AACAUUC	3843	3 UTR	0.0353	1
GSK3B	NM_002093	7	5876	AACAUUC	5870	3 UTR	0.0064	1
GSK3B	NM_002093	7	3641	AACAUUC	3635	3 UTR	0.0064	1
GSK3B	NM_002093	7	5363	ACAUUCA	5357	3 UTR	0.0064	2

GSK3B	NM_002093	7	5876	AACAUUC	5870	3 UTR	0.0064	1
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GSK3B	NM_002093	7	5363	ACAUUCA	5357	3 UTR	0.0064	2
GSTCD	NM_024751	8	3952	AACAUUCA	3945	3 UTR	0.0325	1
GSTCD	NM_024751	8	3952	AACAUUCA	3945	3 UTR	0.0325	1
GTF2E1	NM_005513	8	3009	AACAUUCA	3002	3 UTR	0.0241	1
GTF2E1	NM_005513	8	3009	AACAUUCA	3002	3 UTR	0.0241	1
GTF2H1	NM_005316	8	2814	AACAUUCA	2807	3 UTR	0.0178	1
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GTF2H5	NM_207118	7	6498	AACAUUC	6492	3 UTR	0.0121	1
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GTF2H5	NM_207118	7	4595	ACAUUCA	4589	3 UTR	0.0121	2
GTPBP10	NM_033107	8	2478	ACAUUCAA	2471	3 UTR	0.0327	2
GTPBP10	NM_033107	8	2478	ACAUUCAA	2471	3 UTR	0.0327	2
GTPBP3	NM_133644	9	2591	AACAUUCAA	2583	3 UTR	0.0040	1
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GUCA1B	NM_002098	8	1799	AACAUUCA	1792	3 UTR	0.0233	1
H2AFJ	NM_177925	8	602	ACAUUCAA	595	3 UTR	0.0473	2
H2AFJ	NM_177925	8	602	ACAUUCAA	595	3 UTR	0.0473	2
H3F3B	NM_005324	8	1708	ACAUUCAA	1701	3 UTR	0.0331	2
H3F3B	NM_005324	8	1708	ACAUUCAA	1701	3 UTR	0.0331	2
HAND2	NM_021973	8	1900	AACAUUCA	1893	3 UTR	0.0118	1
HAND2	NM_021973	7	1899	ACAUUCA	1893	3 UTR	0.0463	2
HAND2	NM_021973	8	1900	AACAUUCA	1893	3 UTR	0.0118	1
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HAO1	NM_017545	8	1651	ACAUUCAA	1644	3 UTR	0.0092	2
HAO1	NM_017545	8	1651	ACAUUCAA	1644	3 UTR	0.0092	2
HAPLN1	NM_001884	8	2835	AACAUUCA	2828	3 UTR	0.0491	1
HAPLN1	NM_001884	8	2835	AACAUUCA	2828	3 UTR	0.0491	1
HBD	NM_000519	7	757	AACAUUC	751	3 UTR	0.0082	1

HBD	NM_000519	7	757	AACAUUC	751	3 UTR	0.0082	1
HCN2	NM_001194	7	3309	ACAUUCA	3303	3 UTR	0.0439	2
HCN2	NM_001194	7	3309	ACAUUCA	3303	3 UTR	0.0439	2
HEATR3	NM_182922	8	2280	ACAUUCAA	2273	3 UTR	0.0064	2
HEATR3	NM_182922	8	2280	ACAUUCAA	2273	3 UTR	0.0064	2
HEMGN	NM_018437	7	2093	ACAUUCA	2087	3 UTR	0.0368	2
HEMGN	NM_018437	7	2093	ACAUUCA	2087	3 UTR	0.0368	2
HEPH	NM_001130860	7	4343	AACAUUC	4337	3 UTR	0.0428	1
HEPH	NM_001130860	7	4343	AACAUUC	4337	3 UTR	0.0428	1
HHIP	NM_022475	7	3225	AACAUUC	3219	3 UTR	0.0460	1
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HIG2	NM_013332	8	1134	ACAUUCAA	1127	3 UTR	0.0148	2
HIG2	NM_013332	8	1134	ACAUUCAA	1127	3 UTR	0.0148	2
HIGD2A	NM_138820	9	548	AACAUUCAA	540	3 UTR	0.0010	1
HIGD2A	NM_138820	8	547	ACAUUCAA	540	3 UTR	0.0041	2
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HINT3	NM_138571	8	2235	AACAUUCA	2228	3 UTR	0.0387	1
HINT3	NM_138571	8	2235	AACAUUCA	2228	3 UTR	0.0387	1
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HISPPD1	NM_015216	9	5171	ACAUUCAAC	5163	3 UTR	0.0060	2
HIST1H3D	NM_003530	7	824	ACAUUCA	818	3 UTR	0.0034	2
HIST1H3D	NM_003530	7	824	ACAUUCA	818	3 UTR	0.0034	2
HK2	NM_000189	9	6873	AACAUUCAA	6865	3 UTR	0.0092	1
HK2	NM_000189	8	6872	ACAUUCAA	6865	3 UTR	0.0364	2
HK2	NM_000189	9	6873	AACAUUCAA	6865	3 UTR	0.0092	1
HK2	NM_000189	8	6872	ACAUUCAA	6865	3 UTR	0.0364	2
HLA-B	NM_005514	7	1254	ACAUUCA	1248	3 UTR	0.0262	2
HLA-B	NM_005514	7	1254	ACAUUCA	1248	3 UTR	0.0262	2
HLA-C	NM_002117	7	1209	ACAUUCA	1203	3 UTR	0.0262	2
HLA-C	NM_002117	7	1209	ACAUUCA	1203	3 UTR	0.0262	2
HMGA2	NM_003483	8	2411	AACAUUCA	2404	3 UTR	0.0449	1
HMGA2	NM_003483	8	2411	AACAUUCA	2404	3 UTR	0.0449	1
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HPSE2	NM_021828	7	2101	AACAUUC	2095	3 UTR	0.0273	1
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HS3ST2	NM_006043	8	1480	AACAUUCA	1473	3 UTR	0.0120	1
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ICT1	NM_001545	7	765	AACAUUC	759	3 UTR	0.0160	1
ICT1	NM_001545	7	765	AACAUUC	759	3 UTR	0.0160	1
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IDH1	NM_005896	8	2033	AACAUUCA	2026	3 UTR	0.0130	1
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IL1B	NM_000576	7	932	ACAUUCA	926	3 UTR	0.0360	2
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IL1R1	NM_000877	8	2331	AACAUUCA	2324	3 UTR	0.0464	1
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IL1RAP	NM_002182	8	3779	AACAUUCA	3772	3 UTR	0.0419	1
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IMP3	NM_018285	7	825	AACAUUC	819	3 UTR	0.0312	1
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IMPG1	NM_001563	7	2982	ACAUUCA	2976	3 UTR	0.0444	2
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INCENP	NM_001040694	8	3247	AACAUUCA	3240	3 UTR	0.0179	1
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INDOL1	NM_194294	7	1975	ACAUUCA	1969	3 UTR	0.0470	2
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IQWD1	NM_018442	7	3087	AACAUUC	3081	3 UTR	0.0252	1
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IRS2	NM_003749	9	6181	ACAUUCAAC	6173	3 UTR	0.0094	2
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ITGA3	NM_002204	8	4696	ACAUUCAA	4689	3 UTR	0.0215	2
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KIR2DL1	NM_014218	7	1238	ACAUUCA	1232	3 UTR	0.0308	2
KL	NM_004795	8	4874	AACAUUCA	4867	3 UTR	0.0295	1
KL	NM_004795	8	4874	AACAUUCA	4867	3 UTR	0.0295	1
KLF6	NM_001300	9	1515	AACAUUCAA	1507	3 UTR	0.0019	1
KLF6	NM_001300	8	1514	ACAUUCAA	1507	3 UTR	0.0076	2
KLF6	NM_001300	9	1515	AACAUUCAA	1507	3 UTR	0.0019	1
KLF6	NM_001300	8	1514	ACAUUCAA	1507	3 UTR	0.0076	2
KLF8	NM_007250	7	3107	AACAUUC	3101	3 UTR	0.0370	1
KLF8	NM_007250	7	3107	AACAUUC	3101	3 UTR	0.0370	1
KLF9	NM_001206	8	3153	ACAUUCAA	3146	3 UTR	0.0473	2
KLF9	NM_001206	8	3153	ACAUUCAA	3146	3 UTR	0.0473	2
KLHDC5	NM_020782	9	2485	ACAUUCAAC	2477	3 UTR	0.0185	2
KLHDC5	NM_020782	9	2485	ACAUUCAAC	2477	3 UTR	0.0185	2
KLHL5	NM_015990	8	3404	AACAUUCA	3397	3 UTR	0.0173	1
KLHL5	NM_015990	8	3329	ACAUUCAA	3322	3 UTR	0.0173	2
KLHL5	NM_015990	8	3404	AACAUUCA	3397	3 UTR	0.0173	1
KLHL5	NM_015990	8	3329	ACAUUCAA	3322	3 UTR	0.0173	2
KLK13	NM_015596	7	1103	ACAUUCA	1097	3 UTR	0.0230	2
KLK13	NM_015596	7	1103	ACAUUCA	1097	3 UTR	0.0230	2
KLK5	NM_012427	7	1336	AACAUUC	1330	3 UTR	0.0202	1
KLK5	NM_012427	7	1336	AACAUUC	1330	3 UTR	0.0202	1
KLK7	NM_005046	8	1880	ACAUUCAA	1873	3 UTR	0.0161	2
KLK7	NM_005046	8	1880	ACAUUCAA	1873	3 UTR	0.0161	2
KLRF1	NM_016523	8	1231	AACAUUCA	1224	3 UTR	0.0073	1
KLRF1	NM_016523	8	1231	AACAUUCA	1224	3 UTR	0.0073	1
KPNA4	NM_002268	8	2797	AACAUUCA	2790	3 UTR	0.0292	1
KPNA4	NM_002268	8	2797	AACAUUCA	2790	3 UTR	0.0292	1
KRT40	NM_182497	8	1337	AACAUUCA	1330	3 UTR	0.0073	1
KRT40	NM_182497	7	1336	ACAUUCA	1330	3 UTR	0.0289	2
KRT40	NM_182497	8	1337	AACAUUCA	1330	3 UTR	0.0073	1
KRT40	NM_182497	7	1336	ACAUUCA	1330	3 UTR	0.0289	2
KRTAP4-5	NM_033188	7	615	ACAUUCA	609	3 UTR	0.0209	2
KRTAP4-5	NM_033188	7	615	ACAUUCA	609	3 UTR	0.0209	2
KRTCAP2	NM_173852	8	526	AACAUUCA	519	3 UTR	0.0009	1
KRTCAP2	NM_173852	7	525	ACAUUCA	519	3 UTR	0.0038	2
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LACE1	NM_145315	7	1888	ACAUUCA	1882	3 UTR	0.0377	2

LACE1	NM_145315	7	1888	ACAUUCA	1882	3 UTR	0.0377	2
LAMA3	NM_198129	7	10338	AACAUUC	10332	3 UTR	0.0255	1
LAMA3	NM_198129	7	10338	AACAUUC	10332	3 UTR	0.0255	1
LAMC1	NM_002293	8	6593	AACAUUCA	6586	3 UTR	0.0419	1
LAMC1	NM_002293	8	6593	AACAUUCA	6586	3 UTR	0.0419	1
LAPTM4B	NM_018407	8	2187	ACAUUCAA	2180	3 UTR	0.0171	2
LAPTM4B	NM_018407	8	2187	ACAUUCAA	2180	3 UTR	0.0171	2
LARP4	NM_199188	9	5092	AACAUUCAA	5084	3 UTR	0.0157	1
LARP4	NM_199188	9	5092	AACAUUCAA	5084	3 UTR	0.0157	1
LAS1L	NM_031206	8	2424	ACAUUCAA	2417	3 UTR	0.0033	2
LAS1L	NM_031206	8	2424	ACAUUCAA	2417	3 UTR	0.0033	2
LASS3	NM_178842	9	3646	AACAUUCAA	3638	3 UTR	0.0088	1
LASS3	NM_178842	8	3645	ACAUUCAA	3638	3 UTR	0.0348	2
LASS3	NM_178842	9	3646	AACAUUCAA	3638	3 UTR	0.0088	1
LASS3	NM_178842	8	3645	ACAUUCAA	3638	3 UTR	0.0348	2
LATS2	NM_014572	8	4819	AACAUUCA	4812	3 UTR	0.0278	1
LATS2	NM_014572	8	4819	AACAUUCA	4812	3 UTR	0.0278	1
LBR	NM_002296	8	2664	ACAUUCAA	2657	3 UTR	0.0273	2
LBR	NM_002296	8	2664	ACAUUCAA	2657	3 UTR	0.0273	2
LCOR	NM_032440	8	2011	AACAUUCA	2004	3 UTR	0.0448	1
LCOR	NM_032440	8	2011	AACAUUCA	2004	3 UTR	0.0448	1
LEAP2	NM_052971	7	435	AACAUUC	429	3 UTR	0.0267	1
LEAP2	NM_052971	7	435	AACAUUC	429	3 UTR	0.0267	1
LHFPL3	NM_199000	8	2859	AACAUUCA	2852	3 UTR	0.0353	1
LHFPL3	NM_199000	8	1348	AACAUUCA	1341	3 UTR	0.0353	1
LHFPL3	NM_199000	8	2859	AACAUUCA	2852	3 UTR	0.0353	1
LHFPL3	NM_199000	8	1348	AACAUUCA	1341	3 UTR	0.0353	1
LHX3	NM_014564	8	2332	AACAUUCA	2325	3 UTR	0.0164	1
LHX3	NM_014564	8	2332	AACAUUCA	2325	3 UTR	0.0164	1
LHX6	NM_014368	8	2037	AACAUUCA	2030	3 UTR	0.0330	1
LHX6	NM_014368	8	2037	AACAUUCA	2030	3 UTR	0.0330	1
LIG4	NM_002312	8	3216	ACAUUCAA	3209	3 UTR	0.0167	2
LIG4	NM_002312	8	3216	ACAUUCAA	3209	3 UTR	0.0167	2
LILRB3	NM_001081450	8	2424	AACAUUCA	2417	3 UTR	0.0126	1
LILRB3	NM_001081450	7	2423	ACAUUCA	2417	3 UTR	0.0496	2
LILRB3	NM_001081450	8	2424	AACAUUCA	2417	3 UTR	0.0126	1
LILRB3	NM_001081450	7	2423	ACAUUCA	2417	3 UTR	0.0496	2
LIN7C	NM_018362	9	2184	ACAUUCAAC	2176	3 UTR	0.0156	2

LIN7C	NM_018362	9	2184	ACAUUCAAC	2176	3 UTR	0.0156	2
LMAN1	NM_005570	9	3841	AACAUUCAA	3833	3 UTR	0.0124	1
LMAN1	NM_005570	8	1867	AACAUUCA	1860	3 UTR	0.0489	1
LMAN1	NM_005570	8	3840	ACAUUCAA	3833	3 UTR	0.0489	2
LMAN1	NM_005570	8	2306	ACAUUCAA	2299	3 UTR	0.0489	2
LMAN1	NM_005570	9	3841	AACAUUCAA	3833	3 UTR	0.0124	1
LMAN1	NM_005570	8	1867	AACAUUCA	1860	3 UTR	0.0489	1
LMAN1	NM_005570	8	3840	ACAUUCAA	3833	3 UTR	0.0489	2
LMAN1	NM_005570	8	2306	ACAUUCAA	2299	3 UTR	0.0489	2
LMBRD2	NM_001007527	7	3038	ACAUUCA	3032	3 UTR	0.0438	2
LMBRD2	NM_001007527	7	3038	ACAUUCA	3032	3 UTR	0.0438	2
LMO1	NM_002315	8	1268	AACAUUCA	1261	3 UTR	0.0047	1
LMO1	NM_002315	7	1267	ACAUUCA	1261	3 UTR	0.0185	2
LMO1	NM_002315	8	1268	AACAUUCA	1261	3 UTR	0.0047	1
LMO1	NM_002315	7	1267	ACAUUCA	1261	3 UTR	0.0185	2
LMO3	NM_018640	10	1068	AACAUUCAAC	1059	3 UTR	0.0027	1
LMO3	NM_018640	9	1067	ACAUUCAAC	1059	3 UTR	0.0108	2
LMO3	NM_018640	10	1068	AACAUUCAAC	1059	3 UTR	0.0027	1
LMO3	NM_018640	9	1067	ACAUUCAAC	1059	3 UTR	0.0108	2
LOC196415	NM_001101339	8	957	ACAUUCAA	950	3 UTR	0.0132	2
LOC196415	NM_001101339	8	957	ACAUUCAA	950	3 UTR	0.0132	2
LOC389073	NM_001099334	7	1181	AACAUUC	1175	3 UTR	0.0286	1
LOC389073	NM_001099334	7	1181	AACAUUC	1175	3 UTR	0.0286	1
LOC440087	NM_001013698	8	1464	AACAUUCA	1457	3 UTR	0.0204	1
LOC440087	NM_001013698	8	1464	AACAUUCA	1457	3 UTR	0.0204	1
LOC493869	NM_001008397	8	893	AACAUUCA	886	3 UTR	0.0460	1
LOC493869	NM_001008397	8	893	AACAUUCA	886	3 UTR	0.0460	1
LOC644096	NM_001042631	7	1082	AACAUUC	1076	3 UTR	0.0422	1
LOC644096	NM_001042631	7	1082	AACAUUC	1076	3 UTR	0.0422	1
LOC729830	NM_001109977	8	3762	AACAUUCA	3755	3 UTR	0.0133	1
LOC729830	NM_001109977	8	3762	AACAUUCA	3755	3 UTR	0.0133	1
LOC751071	NM_001043229	8	1126	AACAUUCA	1119	3 UTR	0.0061	1
LOC751071	NM_001043229	7	1125	ACAUUCA	1119	3 UTR	0.0241	2
LOC751071	NM_001043229	8	1126	AACAUUCA	1119	3 UTR	0.0061	1
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LONRF1	NM_152271	8	2599	ACAUUCAA	2592	3 UTR	0.0181	2
LONRF1	NM_152271	8	2599	ACAUUCAA	2592	3 UTR	0.0181	2
LPCAT2	NM_017839	7	5293	ACAUUCA	5287	3 UTR	0.0098	2

LPCAT2	NM_017839	7	3836	ACAUUCA	3830	3 UTR	0.0098	2
LPCAT2	NM_017839	7	3659	ACAUUCA	3653	3 UTR	0.0098	2
LPCAT2	NM_017839	7	3344	ACAUUCA	3338	3 UTR	0.0098	2
LPCAT2	NM_017839	7	5293	ACAUUCA	5287	3 UTR	0.0098	2
LPCAT2	NM_017839	7	3836	ACAUUCA	3830	3 UTR	0.0098	2
LPCAT2	NM_017839	7	3659	ACAUUCA	3653	3 UTR	0.0098	2
LPCAT2	NM_017839	7	3344	ACAUUCA	3338	3 UTR	0.0098	2
LRGUK	NM_144648	7	2615	AACAUUC	2609	3 UTR	0.0125	1
LRGUK	NM_144648	7	2615	AACAUUC	2609	3 UTR	0.0125	1
LRP11	NM_032832	10	3290	AACAUUCAAC	3281	3 UTR	0.0017	1
LRP11	NM_032832	9	3289	ACAUUCAAC	3281	3 UTR	0.0067	2
LRP11	NM_032832	10	3290	AACAUUCAAC	3281	3 UTR	0.0017	1
LRP11	NM_032832	9	3289	ACAUUCAAC	3281	3 UTR	0.0067	2
LRP2BP	NM_018409	8	4260	ACAUUCAA	4253	3 UTR	0.0491	2
LRP2BP	NM_018409	8	4260	ACAUUCAA	4253	3 UTR	0.0491	2
LRP4	NM_002334	8	6715	AACAUUCA	6708	3 UTR	0.0320	1
LRP4	NM_002334	8	6715	AACAUUCA	6708	3 UTR	0.0320	1
LRRC48	NM_001130090	7	1959	ACAUUCA	1953	3 UTR	0.0141	2
LRRC48	NM_001130090	7	1959	ACAUUCA	1953	3 UTR	0.0141	2
LRRC8D	NM_001134479	8	3304	AACAUUCA	3297	3 UTR	0.0120	1
LRRC8D	NM_001134479	8	3164	AACAUUCA	3157	3 UTR	0.0120	1
LRRC8D	NM_001134479	7	3303	ACAUUCA	3297	3 UTR	0.0472	2
LRRC8D	NM_001134479	7	3163	ACAUUCA	3157	3 UTR	0.0472	2
LRRC8D	NM_001134479	8	3304	AACAUUCA	3297	3 UTR	0.0120	1
LRRC8D	NM_001134479	8	3164	AACAUUCA	3157	3 UTR	0.0120	1
LRRC8D	NM_001134479	7	3303	ACAUUCA	3297	3 UTR	0.0472	2
LRRC8D	NM_001134479	7	3163	ACAUUCA	3157	3 UTR	0.0472	2
LRRFIP1	NM_004735	8	4283	AACAUUCA	4276	3 UTR	0.0270	1
LRRFIP1	NM_004735	8	4283	AACAUUCA	4276	3 UTR	0.0270	1
LRRK2	NM_198578	8	8450	ACAUUCAA	8443	3 UTR	0.0231	2
LRRK2	NM_198578	8	8450	ACAUUCAA	8443	3 UTR	0.0231	2
LRRN1	NM_020873	9	3470	AACAUUCAA	3462	3 UTR	0.0035	1
LRRN1	NM_020873	8	3469	ACAUUCAA	3462	3 UTR	0.0138	2
LRRN1	NM_020873	9	3470	AACAUUCAA	3462	3 UTR	0.0035	1
LRRN1	NM_020873	8	3469	ACAUUCAA	3462	3 UTR	0.0138	2
LTBP2	NM_000428	9	6493	ACAUUCAAC	6485	3 UTR	0.0103	2
LTBP2	NM_000428	9	6493	ACAUUCAAC	6485	3 UTR	0.0103	2
LTV1	NM_032860	7	1777	ACAUUCA	1771	3 UTR	0.0181	2

LTV1	NM_032860	7	1777	ACAUUCA	1771	3 UTR	0.0181	2
LYG2	NM_175735	7	823	ACAUUCA	817	3 UTR	0.0078	2
LYG2	NM_175735	7	823	ACAUUCA	817	3 UTR	0.0078	2
LYPLA2	NM_007260	7	1276	ACAUUCA	1270	3 UTR	0.0495	2
LYPLA2	NM_007260	7	1276	ACAUUCA	1270	3 UTR	0.0495	2
LYRM1	NM_001128301	8	790	ACAUUCAA	783	3 UTR	0.0139	2
LYRM1	NM_001128301	8	790	ACAUUCAA	783	3 UTR	0.0139	2
LYSMD3	NM_198273	8	1278	AACAUUCA	1271	3 UTR	0.0475	1
LYSMD3	NM_198273	8	1278	AACAUUCA	1271	3 UTR	0.0475	1
MAB21L2	NM_006439	8	2589	AACAUUCA	2582	3 UTR	0.0091	1
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MAB21L2	NM_006439	8	2589	AACAUUCA	2582	3 UTR	0.0091	1
MAB21L2	NM_006439	7	2588	ACAUUCA	2582	3 UTR	0.0360	2
MAEL	NM_032858	7	1670	AACAUUC	1664	3 UTR	0.0214	1
MAEL	NM_032858	7	1670	AACAUUC	1664	3 UTR	0.0214	1
MAGEA4	NM_002362	7	1688	ACAUUCA	1682	3 UTR	0.0331	2
MAGEA4	NM_002362	7	1688	ACAUUCA	1682	3 UTR	0.0331	2
MAGI3	NM_152900	9	6009	AACAUUCAA	6001	3 UTR	0.0139	1
MAGI3	NM_152900	9	6009	AACAUUCAA	6001	3 UTR	0.0139	1
MALT1	NM_006785	8	4772	AACAUUCA	4765	3 UTR	0.0344	1
MALT1	NM_006785	8	4772	AACAUUCA	4765	3 UTR	0.0344	1
MAOA	NM_000240	9	3505	AACAUUCAA	3497	3 UTR	0.0088	1
MAOA	NM_000240	8	3504	ACAUUCAA	3497	3 UTR	0.0349	2
MAOA	NM_000240	9	3505	AACAUUCAA	3497	3 UTR	0.0088	1
MAOA	NM_000240	8	3504	ACAUUCAA	3497	3 UTR	0.0349	2
MAP2K1	NM_002755	8	2391	ACAUUCAA	2384	3 UTR	0.0143	2
MAP2K1	NM_002755	8	2391	ACAUUCAA	2384	3 UTR	0.0143	2
MAP3K10	NM_002446	7	3192	ACAUUCA	3186	3 UTR	0.0166	2
MAP3K10	NM_002446	7	3192	ACAUUCA	3186	3 UTR	0.0166	2
MAP3K8	NM_005204	8	2765	ACAUUCAA	2758	3 UTR	0.0151	2
MAP3K8	NM_005204	8	2765	ACAUUCAA	2758	3 UTR	0.0151	2
MAP3K9	NM_033141	9	4724	AACAUUCAA	4716	3 UTR	0.0085	1
MAP3K9	NM_033141	8	4723	ACAUUCAA	4716	3 UTR	0.0337	2
MAP3K9	NM_033141	9	4724	AACAUUCAA	4716	3 UTR	0.0085	1
MAP3K9	NM_033141	8	4723	ACAUUCAA	4716	3 UTR	0.0337	2
MAP6	NM_207577	8	3740	ACAUUCAA	3733	3 UTR	0.0441	2
MAP6	NM_207577	8	3740	ACAUUCAA	3733	3 UTR	0.0441	2
MAPK1	NM_002745	9	5172	AACAUUCAA	5164	3 UTR	0.0174	1

MAPK1	NM_002745	9	5172	AACAUUCAA	5164	3 UTR	0.0174	1
MARK1	NM_018650	8	3048	ACAUUCAA	3041	3 UTR	0.0346	2
MARK1	NM_018650	8	3048	ACAUUCAA	3041	3 UTR	0.0346	2
MBD4	NM_003925	7	2092	ACAUUCA	2086	3 UTR	0.0331	2
MBD4	NM_003925	7	2092	ACAUUCA	2086	3 UTR	0.0331	2
MBNL2	NM_144778	8	3491	ACAUUCAA	3484	3 UTR	0.0420	2
MBNL2	NM_144778	8	3491	ACAUUCAA	3484	3 UTR	0.0420	2
MBTPS2	NM_015884	9	4325	AACAUUCAA	4317	3 UTR	0.0105	1
MBTPS2	NM_015884	8	4324	ACAUUCAA	4317	3 UTR	0.0415	2
MBTPS2	NM_015884	9	4325	AACAUUCAA	4317	3 UTR	0.0105	1
MBTPS2	NM_015884	8	4324	ACAUUCAA	4317	3 UTR	0.0415	2
MCM10	NM_182751	8	3855	AACAUUCA	3848	3 UTR	0.0272	1
MCM10	NM_182751	8	3855	AACAUUCA	3848	3 UTR	0.0272	1
MCM3	NM_002388	7	2665	AACAUUC	2659	3 UTR	0.0363	1
MCM3	NM_002388	7	2665	AACAUUC	2659	3 UTR	0.0363	1
MDH1B	NM_001039845	7	1682	ACAUUCA	1676	3 UTR	0.0430	2
MDH1B	NM_001039845	7	1682	ACAUUCA	1676	3 UTR	0.0430	2
MDM2	NM_002392	9	5279	AACAUUCAA	5271	3 UTR	0.0022	1
MDM2	NM_002392	8	5278	ACAUUCAA	5271	3 UTR	0.0089	2
MDM2	NM_002392	9	5279	AACAUUCAA	5271	3 UTR	0.0022	1
MDM2	NM_002392	8	5278	ACAUUCAA	5271	3 UTR	0.0089	2
ME2	NM_002396	7	2289	ACAUUCA	2283	3 UTR	0.0429	2
ME2	NM_002396	7	2289	ACAUUCA	2283	3 UTR	0.0429	2
MED10	NM_032286	7	963	AACAUUC	957	3 UTR	0.0364	1
MED10	NM_032286	7	963	AACAUUC	957	3 UTR	0.0364	1
MEGF11	NM_032445	8	4948	AACAUUCA	4941	3 UTR	0.0395	1
MEGF11	NM_032445	8	4948	AACAUUCA	4941	3 UTR	0.0395	1
MELK	NM_014791	7	2373	ACAUUCA	2367	3 UTR	0.0245	2
MELK	NM_014791	7	2373	ACAUUCA	2367	3 UTR	0.0245	2
MEPE	NM_020203	7	1899	ACAUUCA	1893	3 UTR	0.0219	2
MEPE	NM_020203	7	1899	ACAUUCA	1893	3 UTR	0.0219	2
MERTK	NM_006343	8	3257	AACAUUCA	3250	3 UTR	0.0078	1
MERTK	NM_006343	7	3256	ACAUUCA	3250	3 UTR	0.0306	2
MERTK	NM_006343	8	3257	AACAUUCA	3250	3 UTR	0.0078	1
MERTK	NM_006343	7	3256	ACAUUCA	3250	3 UTR	0.0306	2
METAP1	NM_015143	8	2724	AACAUUCA	2717	3 UTR	0.0235	1
METAP1	NM_015143	8	2724	AACAUUCA	2717	3 UTR	0.0235	1
METAP2	NM_006838	8	2941	AACAUUCA	2934	3 UTR	0.0291	1

METAP2	NM_006838	9	2637	ACAUUCAAC	2629	3 UTR	0.0074	2
METAP2	NM_006838	8	2941	AACAUUCA	2934	3 UTR	0.0291	1
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MS4A1	NM_152866	8	1473	ACAUUCAA	1466	3 UTR	0.0343	2
MSI2	NM_170721	8	1801	ACAUUCAA	1794	3 UTR	0.0205	2
MSI2	NM_170721	8	1801	ACAUUCAA	1794	3 UTR	0.0205	2
MTF2	NM_007358	9	3811	AACAUUCAA	3803	3 UTR	0.0079	1
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MTPN	NM_145808	8	2123	ACAUUCAA	2116	3 UTR	0.0475	2
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MUL1	NM_024544	8	2349	AACAUUCA	2342	3 UTR	0.0190	1
MUL1	NM_024544	8	2349	AACAUUCA	2342	3 UTR	0.0190	1
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MYADM	NM_001020818	8	2961	ACAUUCAA	2954	3 UTR	0.0295	2
MYADM	NM_001020818	8	2961	ACAUUCAA	2954	3 UTR	0.0295	2
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MYBL1	NM_001080416	9	3334	ACAUUCAAC	3326	3 UTR	0.0096	2
MYBPC1	NM_002465	8	3622	ACAUUCAA	3615	3 UTR	0.0049	2
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MYH10	NM_005964	8	7033	AACAUUCA	7026	3 UTR	0.0240	1
MYL1	NM_079420	7	1050	AACAUUC	1044	3 UTR	0.0204	1
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MYO15A	NM_016239	8	11859	AACAUUCA	11852	3 UTR	0.0143	1
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MYO7B	NM_001080527	7	6690	AACAUUC	6684	3 UTR	0.0188	1
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MYO9B	NM_001130065	8	7334	ACAUUCAA	7327	3 UTR	0.0216	2
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NAALADL2	NM_207015	8	2979	ACAUUCAA	2972	3 UTR	0.0365	2
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NAP1L2	NM_021963	7	1911	AACAUUC	1905	3 UTR	0.0488	1
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NCAPG	NM_022346	8	3852	AACAUUCA	3845	3 UTR	0.0220	1
NCAPH	NM_015341	8	4301	AACAUUCA	4294	3 UTR	0.0328	1
NCAPH	NM_015341	8	4301	AACAUUCA	4294	3 UTR	0.0328	1
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NCOA7	NM_181782	8	3904	AACAUUCA	3897	3 UTR	0.0352	1
NCR2	NM_004828	8	940	AACAUUCA	933	3 UTR	0.0004	1
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NDUFB1	NM_004545	7	374	AACAUUC	368	3 UTR	0.0051	1
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NEK9	NM_033116	7	4091	ACAUUCA	4085	3 UTR	0.0177	2
NELL2	NM_006159	7	2693	AACAUUC	2687	3 UTR	0.0390	1
NELL2	NM_006159	7	2693	AACAUUC	2687	3 UTR	0.0390	1
NEO1	NM_002499	8	5378	AACAUUCA	5371	3 UTR	0.0379	1
NEO1	NM_002499	8	5378	AACAUUCA	5371	3 UTR	0.0379	1
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NFAT5	NM_138714	9	6729	AACAUUCAA	6721	3 UTR	0.0312	1
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NFYC	NM_014223	7	1791	ACAUUCA	1785	3 UTR	0.0462	2
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NIPBL	NM_015384	8	9756	AACAUUCA	9749	3 UTR	0.0270	1
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NKTR	NM_005385	8	6086	ACAUUCAA	6079	3 UTR	0.0415	2
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NLK	NM_016231	8	3012	ACAUUCAA	3005	3 UTR	0.0265	2
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NME6	NM_005793	7	823	AACAUUC	817	3 UTR	0.0335	1
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NMT2	NM_004808	9	2758	AACAUUCAA	2750	3 UTR	0.0130	1
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NOL4	NM_003787	8	3078	AACAUUCA	3071	3 UTR	0.0264	1
NOL8	NM_017948	7	3871	ACAUUCA	3865	3 UTR	0.0298	2
NOL8	NM_017948	7	3871	ACAUUCA	3865	3 UTR	0.0298	2
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NOL9	NM_024654	7	2269	ACAUUCA	2263	3 UTR	0.0424	2
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NOS1AP	NM_001126060	9	3660	AACAUUCAA	3652	3 UTR	0.0097	1
NOS1AP	NM_001126060	8	3659	ACAUUCAA	3652	3 UTR	0.0383	2
NOS3	NM_000603	7	4192	AACAUUC	4186	3 UTR	0.0263	1
NOS3	NM_000603	7	4192	AACAUUC	4186	3 UTR	0.0263	1
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NOTCH4	NM_004557	7	6283	ACAUUCA	6277	3 UTR	0.0366	2
NOVA1	NM_002515	8	2147	ACAUUCAA	2140	3 UTR	0.0312	2
NOVA1	NM_002515	8	2147	ACAUUCAA	2140	3 UTR	0.0312	2
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NPFFR2	NM_004885	7	1763	AACAUUC	1757	3 UTR	0.0163	1
NPM1	NM_002520	7	1265	AACAUUC	1259	3 UTR	0.0201	1
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NPTXR	NM_014293	9	5788	AACAUUCAA	5780	3 UTR	0.0157	1
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NPTXR	NM_014293	9	5788	AACAUUCAA	5780	3 UTR	0.0157	1
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NR1D2	NM_005126	8	2326	AACAUUCA	2319	3 UTR	0.0351	1
NR3C1	NM_001018077	9	5589	AACAUUCAA	5581	3 UTR	0.0150	1
NR3C1	NM_001018077	9	5589	AACAUUCAA	5581	3 UTR	0.0150	1
NR4A3	NM_173198	8	5079	ACAUUCAA	5072	3 UTR	0.0451	2
NR4A3	NM_173198	8	5079	ACAUUCAA	5072	3 UTR	0.0451	2
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OCA2	NM_000275	7	2800	AACAUUC	2794	3 UTR	0.0317	1
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OMA1	NM_145243	7	1701	AACAUUC	1695	3 UTR	0.0160	1
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OR51E2	NM_030774	8	2724	ACAUUCAA	2717	3 UTR	0.0240	2
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OSBPL8	NM_020841	9	5476	AACAUUCAA	5468	3 UTR	0.0156	1
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OTUB2	NM_023112	8	1374	ACAUUCAA	1367	3 UTR	0.0449	2
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OXGR1	NM_080818	8	1937	ACAUUCAA	1930	3 UTR	0.0155	2
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PAFAH1B2	NM_002572	7	898	AACAUUC	892	3 UTR	0.0241	1
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PAG1	NM_018440	9	5698	AACAUUCAA	5690	3 UTR	0.0328	1
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PAN3	NM_175854	8	3415	AACAUUCA	3408	3 UTR	0.0420	1
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PAP2D	NM_001037317	8	3117	ACAUUCAA	3110	3 UTR	0.0423	2
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PCAF	NM_003884	8	3318	AACAUUCA	3311	3 UTR	0.0283	1
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PCBP1	NM_006196	7	1646	AACAUUC	1640	3 UTR	0.0233	1
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PDAP1	NM_014891	8	920	ACAUUCAA	913	3 UTR	0.0258	2
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PDIA6	NM_005742	9	1756	AACAUUCAA	1748	3 UTR	0.0034	1
PDIA6	NM_005742	8	1755	ACAUUCAA	1748	3 UTR	0.0134	2
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PEF1	NM_012392	9	1105	ACAUUCAAC	1097	3 UTR	0.0029	2
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PEG3	NM_006210	9	7629	AACAUUCAA	7621	3 UTR	0.0047	1
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PF4V1	NM_002620	9	701	AACAUUCAA	693	3 UTR	0.0014	1
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PI4K2B	NM_018323	8	1715	ACAUUCAA	1708	3 UTR	0.0286	2
PIAS3	NM_006099	8	2901	AACAUUCA	2894	3 UTR	0.0140	1
PIAS3	NM_006099	8	2901	AACAUUCA	2894	3 UTR	0.0140	1
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PKP2	NM_004572	8	4165	ACAUUCAA	4158	3 UTR	0.0253	2
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PLAC8	NM_001130716	8	671	AACAUUCA	664	3 UTR	0.0141	1
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PLDN	NM_012388	9	3797	ACAUUCAAC	3789	3 UTR	0.0122	2
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PLS1	NM_002670	8	2953	ACAUUCAA	2946	3 UTR	0.0249	2
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PNMA1	NM_006029	7	2188	ACAUUCA	2182	3 UTR	0.0487	2
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PNMA2	NM_007257	8	3267	ACAUUCAA	3260	3 UTR	0.0445	2
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PNRC1	NM_006813	8	1855	ACAUUCAA	1848	3 UTR	0.0146	2
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POLR2K	NM_005034	7	581	ACAUUCA	575	3 UTR	0.0410	2
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POLR3F	NM_006466	8	1860	AACAUUCA	1853	3 UTR	0.0168	1
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PPP2R3A	NM_002718	8	4284	ACAUUCAA	4277	3 UTR	0.0410	2
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PQLC1	NM_025078	8	2356	ACAUUCAA	2349	3 UTR	0.0232	2
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PRDM1	NM_001198	8	4981	AACAUUCA	4974	3 UTR	0.0367	1
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PRDX3	NM_006793	8	1211	ACAUUCAA	1204	3 UTR	0.0118	2
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PRKAG2	NM_016203	8	2752	ACAUUCAA	2745	3 UTR	0.0167	2
PRKCA	NM_002737	9	4967	ACAUUCAAC	4959	3 UTR	0.0253	2
PRKCA	NM_002737	9	4967	ACAUUCAAC	4959	3 UTR	0.0253	2
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PRM1	NM_002761	7	297	AACAUUC	291	3 UTR	0.0105	1
PRMT2	NM_206962	7	2238	ACAUUCA	2232	3 UTR	0.0379	2
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PRMT8	NM_019854	7	2009	ACAUUCA	2003	3 UTR	0.0479	2
PRMT8	NM_019854	7	2009	ACAUUCA	2003	3 UTR	0.0479	2
PROCR	NM_006404	8	1152	AACAUUCA	1145	3 UTR	0.0088	1
PROCR	NM_006404	7	1151	ACAUUCA	1145	3 UTR	0.0349	2
PROCR	NM_006404	8	1152	AACAUUCA	1145	3 UTR	0.0088	1
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PROM2	NM_144707	8	3692	ACAUUCAA	3685	3 UTR	0.0179	2
PROM2	NM_144707	8	3692	ACAUUCAA	3685	3 UTR	0.0179	2
PROX1	NM_002763	7	2766	AACAUUC	2760	3 UTR	0.0361	1
PROX1	NM_002763	8	2512	ACAUUCAA	2505	3 UTR	0.0091	2
PROX1	NM_002763	7	2766	AACAUUC	2760	3 UTR	0.0361	1
PROX1	NM_002763	8	2512	ACAUUCAA	2505	3 UTR	0.0091	2
PRPF18	NM_003675	8	1688	ACAUUCAA	1681	3 UTR	0.0081	2
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PRPF39	NM_017922	7	2718	AACAUUC	2712	3 UTR	0.0426	1

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PRPF4B	NM_003913	9	6996	AACAUUCAA	6988	3 UTR	0.0165	1
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PRR6	NM_181716	7	970	ACAUUCA	964	3 UTR	0.0181	2
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PRTG	NM_173814	8	11729	ACAUUCAA	11722	3 UTR	0.0093	2
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PRUNE2	NM_015225	8	10062	AACAUUCA	10055	3 UTR	0.0478	1
PSG11	NM_002785	9	1379	AACAUUCAA	1371	3 UTR	0.0016	1
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PSG2	NM_031246	7	1366	AACAUUC	1360	3 UTR	0.0260	1
PSG3	NM_021016	9	1744	AACAUUCAA	1736	3 UTR	0.0019	1
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PSG3	NM_021016	9	1744	AACAUUCAA	1736	3 UTR	0.0019	1
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PSG5	NM_002781	9	1472	AACAUUCAA	1464	3 UTR	0.0020	1
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PSG9	NM_002784	9	1535	AACAUUCAA	1527	3 UTR	0.0012	1

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PSMD13	NM_175932	7	1734	AACAUUC	1728	3 UTR	0.0232	1
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PSORS1C1	NM_014068	7	760	AACAUUC	754	3 UTR	0.0078	1
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PSRC1	NM_001032290	7	1793	ACAUUCA	1787	3 UTR	0.0368	2
PSRC1	NM_001032290	7	1793	ACAUUCA	1787	3 UTR	0.0368	2
PTEN	NM_000314	9	4560	AACAUUCAA	4552	3 UTR	0.0126	1
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PTGER3	NM_198715	9	7596	AACAUUCAA	7588	3 UTR	0.0240	1
PTGER3	NM_198715	9	7596	AACAUUCAA	7588	3 UTR	0.0240	1
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PTGES2	NM_025072	7	1616	ACAUUCA	1610	3 UTR	0.0305	2
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PTPDC1	NM_177995	9	2721	AACAUUCAA	2713	3 UTR	0.0073	1
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PTPRB	NM_001109754	9	9645	ACAUUCAAC	9637	3 UTR	0.0175	2
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PTPRE	NM_006504	8	5255	AACAUUCA	5248	3 UTR	0.0449	1
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PWP2	NM_005049	7	3099	ACAUUCA	3093	3 UTR	0.0257	2
PXMP2	NM_018663	7	813	ACAUUCA	807	3 UTR	0.0196	2
PXMP2	NM_018663	7	813	ACAUUCA	807	3 UTR	0.0196	2
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REC8	NM_001048205	7	2267	ACAUUCA	2261	3 UTR	0.0110	2
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RECK	NM_021111	8	4124	ACAUUCAA	4117	3 UTR	0.0215	2
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REG4	NM_032044	7	1310	ACAUUCA	1304	3 UTR	0.0325	2
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RHOG	NM_001665	7	1202	ACAUUCA	1196	3 UTR	0.0358	2
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RNASE4	NM_002937	7	1498	AACAUUC	1492	3 UTR	0.0475	1
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RNF125	NM_017831	9	5695	AACAUUCAA	5687	3 UTR	0.0182	1
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RNF8	NM_003958	9	2415	AACAUUCAA	2407	3 UTR	0.0151	1
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ROD1	NM_005156	9	4289	ACAUUCAAC	4281	3 UTR	0.0204	2
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RTN1	NM_021136	7	3309	AACAUUC	3303	3 UTR	0.0469	1
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SCOC	NM_032547	8	771	AACAUUCA	764	3 UTR	0.0218	1
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SECISBP2	NM_024077	7	3368	ACAUUCA	3362	3 UTR	0.0495	2
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SELK	NM_021237	7	559	ACAUUCA	553	3 UTR	0.0225	2
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SF4	NM_172231	7	1997	AACAUUC	1991	3 UTR	0.0098	1
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SFRS18	NM_032870	8	3181	ACAUUCAA	3174	3 UTR	0.0088	2
SFRS18	NM_032870	8	3181	ACAUUCAA	3174	3 UTR	0.0088	2
SFRS5	NM_001039465	7	1341	ACAUUCA	1335	3 UTR	0.0327	2
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SFT2D1	NM_145169	9	546	AACAUUCAA	538	3 UTR	0.0008	1
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SFT2D2	NM_199344	7	732	ACAUUCA	726	3 UTR	0.0202	2
SFT2D2	NM_199344	7	732	ACAUUCA	726	3 UTR	0.0202	2
SGK2	NM_016276	7	1995	AACAUUC	1989	3 UTR	0.0385	1
SGK2	NM_016276	7	1995	AACAUUC	1989	3 UTR	0.0385	1
SGK269	NM_024776	9	11079	AACAUUCAA	11071	3 UTR	0.0227	1
SGK269	NM_024776	9	11079	AACAUUCAA	11071	3 UTR	0.0227	1
SGK3	NM_001033578	9	2909	AACAUUCAA	2901	3 UTR	0.0093	1
SGK3	NM_001033578	8	2908	ACAUUCAA	2901	3 UTR	0.0367	2
SGK3	NM_001033578	9	2909	AACAUUCAA	2901	3 UTR	0.0093	1
SGK3	NM_001033578	8	2908	ACAUUCAA	2901	3 UTR	0.0367	2
SGOL2	NM_152524	9	4391	ACAUUCAAC	4383	3 UTR	0.0014	2
SGOL2	NM_152524	9	4391	ACAUUCAAC	4383	3 UTR	0.0014	2
SH2D3C	NM_170600	7	2831	AACAUUC	2825	3 UTR	0.0309	1
SH2D3C	NM_170600	7	2831	AACAUUC	2825	3 UTR	0.0309	1
SHQ1	NM_018130	8	2303	AACAUUCA	2296	3 UTR	0.0154	1
SHQ1	NM_018130	8	2303	AACAUUCA	2296	3 UTR	0.0154	1
SIAE	NM_170601	8	2389	AACAUUCA	2382	3 UTR	0.0179	1

SIAE	NM_170601	8	2389	AACAUUCA	2382	3 UTR	0.0179	1
SIN3B	NM_015260	8	5074	ACAUUCAA	5067	3 UTR	0.0245	2
SIN3B	NM_015260	8	5074	ACAUUCAA	5067	3 UTR	0.0245	2
SIRT1	NM_012238	8	2367	AACAUUCA	2360	3 UTR	0.0272	1
SIRT1	NM_012238	8	2367	AACAUUCA	2360	3 UTR	0.0272	1
SIX2	NM_016932	8	2082	AACAUUCA	2075	3 UTR	0.0149	1
SIX2	NM_016932	8	2082	AACAUUCA	2075	3 UTR	0.0149	1
SKP1	NM_006930	9	2276	ACAUUCAAC	2268	3 UTR	0.0078	2
SKP1	NM_006930	9	2276	ACAUUCAAC	2268	3 UTR	0.0078	2
SLAIN2	NM_020846	9	4346	AACAUUCAA	4338	3 UTR	0.0156	1
SLAIN2	NM_020846	9	4346	AACAUUCAA	4338	3 UTR	0.0156	1
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SLC10A7	NM_001029998	8	1363	AACAUUCA	1356	3 UTR	0.0375	1
SLC10A7	NM_001029998	8	1928	AACAUUCA	1921	3 UTR	0.0375	1
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SLC12A5	NM_020708	8	5610	AACAUUCA	5603	3 UTR	0.0385	1
SLC19A2	NM_006996	8	2317	AACAUUCA	2310	3 UTR	0.0294	1
SLC19A2	NM_006996	8	2317	AACAUUCA	2310	3 UTR	0.0294	1
SLC22A15	NM_018420	8	1887	ACAUUCAA	1880	3 UTR	0.0441	2
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SLC24A3	NM_020689	10	3703	AACAUUCAAC	3694	3 UTR	0.0017	1
SLC24A3	NM_020689	9	3702	ACAUUCAAC	3694	3 UTR	0.0067	2
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SLC25A21	NM_030631	7	1903	AACAUUC	1897	3 UTR	0.0484	1
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SLC25A24	NM_013386	8	2054	ACAUUCAA	2047	3 UTR	0.0278	2
SLC25A24	NM_013386	8	2054	ACAUUCAA	2047	3 UTR	0.0278	2
SLC25A36	NM_001104647	9	3172	ACAUUCAAC	3164	3 UTR	0.0133	2
SLC25A36	NM_001104647	9	3172	ACAUUCAAC	3164	3 UTR	0.0133	2
SLC25A37	NM_016612	8	1840	ACAUUCAA	1833	3 UTR	0.0105	2

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SLC25A38	NM_017875	8	1893	AACAUUCA	1886	3 UTR	0.0123	1
SLC25A38	NM_017875	7	1892	ACAUUCA	1886	3 UTR	0.0481	2
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SLC25A4	NM_001151	7	1298	ACAUUCA	1292	3 UTR	0.0190	2
SLC25A4	NM_001151	7	1298	ACAUUCA	1292	3 UTR	0.0190	2
SLC25A40	NM_018843	7	1435	AACAUUC	1429	3 UTR	0.0089	1
SLC25A40	NM_018843	7	1435	AACAUUC	1429	3 UTR	0.0089	1
SLC26A9	NM_052934	9	4654	AACAUUCAA	4646	3 UTR	0.0088	1
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SLC26A9	NM_052934	9	4654	AACAUUCAA	4646	3 UTR	0.0088	1
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SLC2A1	NM_006516	8	3193	ACAUUCAA	3186	3 UTR	0.0254	2
SLC2A1	NM_006516	8	3193	ACAUUCAA	3186	3 UTR	0.0254	2
SLC35C2	NM_173179	8	2256	AACAUUCA	2249	3 UTR	0.0130	1
SLC35C2	NM_173179	8	2256	AACAUUCA	2249	3 UTR	0.0130	1
SLC38A10	NM_001037984	7	3921	AACAUUC	3915	3 UTR	0.0341	1
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SLC38A2	NM_018976	8	2310	ACAUUCAA	2303	3 UTR	0.0447	2
SLC38A2	NM_018976	8	2310	ACAUUCAA	2303	3 UTR	0.0447	2
SLC39A10	NM_001127257	8	3649	AACAUUCA	3642	3 UTR	0.0400	1
SLC39A10	NM_001127257	8	3649	AACAUUCA	3642	3 UTR	0.0400	1
SLC39A12	NM_152725	7	2555	AACAUUC	2549	3 UTR	0.0271	1
SLC39A12	NM_152725	7	2555	AACAUUC	2549	3 UTR	0.0271	1
SLC39A14	NM_001128431	9	3497	AACAUUCAA	3489	3 UTR	0.0115	1
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SLC39A14	NM_001128431	9	3497	AACAUUCAA	3489	3 UTR	0.0115	1
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SLC3A1	NM_000341	8	2263	ACAUUCAA	2256	3 UTR	0.0033	2
SLC3A1	NM_000341	8	2263	ACAUUCAA	2256	3 UTR	0.0033	2
SLC5A8	NM_145913	8	3247	ACAUUCAA	3240	3 UTR	0.0161	2
SLC5A8	NM_145913	8	3247	ACAUUCAA	3240	3 UTR	0.0161	2
SLC5A9	NM_001011547	8	2402	ACAUUCAA	2395	3 UTR	0.0169	2
SLC5A9	NM_001011547	8	2402	ACAUUCAA	2395	3 UTR	0.0169	2
SLC7A1	NM_003045	9	4028	AACAUUCAA	4020	3 UTR	0.0192	1

SLC7A1	NM_003045	9	4028	AACAUUCAA	4020	3 UTR	0.0192	1
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SLC7A6OS	NM_032178	7	1570	ACAUUCA	1564	3 UTR	0.0394	2
SLC9A3R1	NM_004252	7	1476	ACAUUCA	1470	3 UTR	0.0425	2
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SLCO3A1	NM_013272	7	4773	ACAUUCA	4767	3 UTR	0.0250	2
SLCO3A1	NM_013272	7	4773	ACAUUCA	4767	3 UTR	0.0250	2
SLFN11	NM_001104587	8	4193	AACAUUCA	4186	3 UTR	0.0310	1
SLFN11	NM_001104587	8	4193	AACAUUCA	4186	3 UTR	0.0310	1
SLMAP	NM_007159	9	3964	AACAUUCAA	3956	3 UTR	0.0068	1
SLMAP	NM_007159	8	3963	ACAUUCAA	3956	3 UTR	0.0268	2
SLMAP	NM_007159	9	3964	AACAUUCAA	3956	3 UTR	0.0068	1
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SLN	NM_003063	7	665	AACAUUC	659	3 UTR	0.0282	1
SLN	NM_003063	7	665	AACAUUC	659	3 UTR	0.0282	1
SMAD7	NM_005904	8	3036	AACAUUCA	3029	3 UTR	0.0232	1
SMAD7	NM_005904	8	3036	AACAUUCA	3029	3 UTR	0.0232	1
SMC6	NM_024624	9	4936	AACAUUCAA	4928	3 UTR	0.0065	1
SMC6	NM_024624	8	4935	ACAUUCAA	4928	3 UTR	0.0257	2
SMC6	NM_024624	9	4936	AACAUUCAA	4928	3 UTR	0.0065	1
SMC6	NM_024624	8	4935	ACAUUCAA	4928	3 UTR	0.0257	2
SNAP25	NM_003081	8	958	AACAUUCA	951	3 UTR	0.0184	1
SNAP25	NM_003081	8	958	AACAUUCA	951	3 UTR	0.0184	1
SNAPC3	NM_001039697	8	2348	AACAUUCA	2341	3 UTR	0.0265	1
SNAPC3	NM_001039697	8	2348	AACAUUCA	2341	3 UTR	0.0265	1
SNIP	NM_025248	9	5954	ACAUUCAAC	5946	3 UTR	0.0124	2
SNIP	NM_025248	9	5954	ACAUUCAAC	5946	3 UTR	0.0124	2
SNN	NM_003498	8	718	ACAUUCAA	711	3 UTR	0.0427	2
SNN	NM_003498	8	718	ACAUUCAA	711	3 UTR	0.0427	2
SNX1	NM_003099	9	4479	AACAUUCAA	4471	3 UTR	0.0249	1
SNX1	NM_003099	9	4479	AACAUUCAA	4471	3 UTR	0.0249	1
SNX13	NM_015132	9	5492	AACAUUCAA	5484	3 UTR	0.0124	1
SNX13	NM_015132	8	5491	ACAUUCAA	5484	3 UTR	0.0489	2
SNX13	NM_015132	9	5492	AACAUUCAA	5484	3 UTR	0.0124	1
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SOAT2	NM_003578	7	1964	ACAUUCA	1958	3 UTR	0.0251	2
SOAT2	NM_003578	7	1964	ACAUUCA	1958	3 UTR	0.0251	2
SOBP	NM_018013	8	5751	AACAUUCA	5744	3 UTR	0.0465	1

SOBP	NM_018013	8	5751	AACAUUCA	5744	3 UTR	0.0465	1
SOCS4	NM_199421	10	6930	AACAUUCAAC	6921	3 UTR	0.0049	1
SOCS4	NM_199421	9	6929	ACAUUCAAC	6921	3 UTR	0.0194	2
SOCS4	NM_199421	10	6930	AACAUUCAAC	6921	3 UTR	0.0049	1
SOCS4	NM_199421	9	6929	ACAUUCAAC	6921	3 UTR	0.0194	2
SOD3	NM_003102	7	1486	AACAUUC	1480	3 UTR	0.0370	1
SOD3	NM_003102	7	1486	AACAUUC	1480	3 UTR	0.0370	1
SORBS2	NM_021069	8	4796	ACAUUCAA	4789	3 UTR	0.0328	2
SORBS2	NM_021069	8	4796	ACAUUCAA	4789	3 UTR	0.0328	2
SOX17	NM_022454	8	1722	ACAUUCAA	1715	3 UTR	0.0137	2
SOX17	NM_022454	8	1722	ACAUUCAA	1715	3 UTR	0.0137	2
SOX6	NM_017508	8	3178	ACAUUCAA	3171	3 UTR	0.0383	2
SOX6	NM_017508	8	3178	ACAUUCAA	3171	3 UTR	0.0383	2
SPAG1	NM_003114	8	3722	ACAUUCAA	3715	3 UTR	0.0136	2
SPAG1	NM_003114	8	3722	ACAUUCAA	3715	3 UTR	0.0136	2
SPATA1	NM_001081472	7	1931	ACAUUCA	1925	3 UTR	0.0242	2
SPATA1	NM_001081472	7	1931	ACAUUCA	1925	3 UTR	0.0242	2
SPECC1L	NM_015330	8	6269	ACAUUCAA	6262	3 UTR	0.0400	2
SPECC1L	NM_015330	8	6269	ACAUUCAA	6262	3 UTR	0.0400	2
SPG21	NM_016630	8	1503	AACAUUCA	1496	3 UTR	0.0093	1
SPG21	NM_016630	7	1502	ACAUUCA	1496	3 UTR	0.0368	2
SPG21	NM_016630	8	1503	AACAUUCA	1496	3 UTR	0.0093	1
SPG21	NM_016630	7	1502	ACAUUCA	1496	3 UTR	0.0368	2
SPIRE1	NM_001128626	8	3030	ACAUUCAA	3023	3 UTR	0.0466	2
SPIRE1	NM_001128626	8	3030	ACAUUCAA	3023	3 UTR	0.0466	2
SPOCK3	NM_016950	10	2785	AACAUUCAAC	2776	3 UTR	0.0015	1
SPOCK3	NM_016950	9	2784	ACAUUCAAC	2776	3 UTR	0.0058	2
SPOCK3	NM_016950	10	2785	AACAUUCAAC	2776	3 UTR	0.0015	1
SPOCK3	NM_016950	9	2784	ACAUUCAAC	2776	3 UTR	0.0058	2
SPP1	NM_001040058	9	1221	ACAUUCAAC	1213	3 UTR	0.0020	2
SPP1	NM_001040058	9	1221	ACAUUCAAC	1213	3 UTR	0.0020	2
SPSB1	NM_025106	8	2882	AACAUUCA	2875	3 UTR	0.0296	1
SPSB1	NM_025106	8	2882	AACAUUCA	2875	3 UTR	0.0296	1
SPTLC1	NM_006415	9	2641	AACAUUCAA	2633	3 UTR	0.0050	1
SPTLC1	NM_006415	8	2640	ACAUUCAA	2633	3 UTR	0.0199	2
SPTLC1	NM_006415	9	2641	AACAUUCAA	2633	3 UTR	0.0050	1
SPTLC1	NM_006415	8	2640	ACAUUCAA	2633	3 UTR	0.0199	2
SPTLC3	NM_018327	8	3520	AACAUUCA	3513	3 UTR	0.0287	1

SPTLC3	NM_018327	8	3520	AACAUUCA	3513	3 UTR	0.0287	1
SREBF2	NM_004599	7	4045	AACAUUC	4039	3 UTR	0.0436	1
SREBF2	NM_004599	7	4045	AACAUUC	4039	3 UTR	0.0436	1
SRF	NM_003131	8	4177	ACAUUCAA	4170	3 UTR	0.0351	2
SRF	NM_003131	8	4177	ACAUUCAA	4170	3 UTR	0.0351	2
SRPK2	NM_182691	8	3532	ACAUUCAA	3525	3 UTR	0.0224	2
SRPK2	NM_182691	8	3532	ACAUUCAA	3525	3 UTR	0.0224	2
SS18L1	NM_198935	9	3623	AACAUUCAA	3615	3 UTR	0.0126	1
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SS18L2	NM_016305	8	384	ACAUUCAA	377	3 UTR	0.0075	2
SS18L2	NM_016305	8	384	ACAUUCAA	377	3 UTR	0.0075	2
SSB	NM_003142	8	1508	ACAUUCAA	1501	3 UTR	0.0052	2
SSB	NM_003142	8	1508	ACAUUCAA	1501	3 UTR	0.0052	2
SSH2	NM_033389	9	6382	AACAUUCAA	6374	3 UTR	0.0185	1
SSH2	NM_033389	9	6382	AACAUUCAA	6374	3 UTR	0.0185	1
ST6GALNAC3	NM_152996	8	3086	AACAUUCA	3079	3 UTR	0.0321	1
ST6GALNAC3	NM_152996	8	3086	AACAUUCA	3079	3 UTR	0.0321	1
ST6GALNAC5	NM_030965	8	1394	AACAUUCA	1387	3 UTR	0.0131	1
ST6GALNAC5	NM_030965	8	1394	AACAUUCA	1387	3 UTR	0.0131	1
STAC3	NM_145064	7	1614	AACAUUC	1608	3 UTR	0.0213	1
STAC3	NM_145064	7	1614	AACAUUC	1608	3 UTR	0.0213	1
STAMBPL1	NM_020799	7	1748	ACAUUCA	1742	3 UTR	0.0167	2
STAMBPL1	NM_020799	7	1748	ACAUUCA	1742	3 UTR	0.0167	2
STAT5A	NM_003152	8	3032	AACAUUCA	3025	3 UTR	0.0192	1
STAT5A	NM_003152	8	3032	AACAUUCA	3025	3 UTR	0.0192	1
STCH	NM_006948	8	3008	AACAUUCA	3001	3 UTR	0.0377	1
STCH	NM_006948	8	3008	AACAUUCA	3001	3 UTR	0.0377	1
STEAP4	NM_024636	9	1563	AACAUUCAA	1555	3 UTR	0.0113	1
STEAP4	NM_024636	8	1562	ACAUUCAA	1555	3 UTR	0.0443	2
STEAP4	NM_024636	9	1563	AACAUUCAA	1555	3 UTR	0.0113	1
STEAP4	NM_024636	8	1562	ACAUUCAA	1555	3 UTR	0.0443	2
STK17B	NM_004226	7	1738	AACAUUC	1732	3 UTR	0.0196	1
STK17B	NM_004226	7	1738	AACAUUC	1732	3 UTR	0.0196	1
STK25	NM_006374	7	2023	AACAUUC	2017	3 UTR	0.0419	1
STK25	NM_006374	7	2023	AACAUUC	2017	3 UTR	0.0419	1
STK32C	NM_173575	8	2048	AACAUUCA	2041	3 UTR	0.0082	1

STK32C	NM_173575	7	2047	ACAUUCA	2041	3 UTR	0.0324	2
STK32C	NM_173575	8	2048	AACAUUCA	2041	3 UTR	0.0082	1
STK32C	NM_173575	7	2047	ACAUUCA	2041	3 UTR	0.0324	2
STX12	NM_177424	8	1843	AACAUUCA	1836	3 UTR	0.0322	1
STX12	NM_177424	8	1843	AACAUUCA	1836	3 UTR	0.0322	1
STXBP4	NM_178509	9	3311	AACAUUCAA	3303	3 UTR	0.0158	1
STXBP4	NM_178509	9	3311	AACAUUCAA	3303	3 UTR	0.0158	1
SUCLG2	NM_003848	8	2230	ACAUUCAA	2223	3 UTR	0.0158	2
SUCLG2	NM_003848	8	2230	ACAUUCAA	2223	3 UTR	0.0158	2
SUMO3	NM_006936	8	792	AACAUUCA	785	3 UTR	0.0205	1
SUMO3	NM_006936	8	792	AACAUUCA	785	3 UTR	0.0205	1
SUSD5	NM_015551	8	4926	AACAUUCA	4919	3 UTR	0.0403	1
SUSD5	NM_015551	8	4926	AACAUUCA	4919	3 UTR	0.0403	1
SYN2	NM_003178	8	3247	AACAUUCA	3240	3 UTR	0.0343	1
SYN2	NM_003178	8	3247	AACAUUCA	3240	3 UTR	0.0343	1
SYNE1	NM_182961	10	27647	AACAUUCAAC	27638	3 UTR	0.0007	1
SYNE1	NM_182961	9	27646	ACAUUCAAC	27638	3 UTR	0.0029	2
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SYNE1	NM_182961	9	27646	ACAUUCAAC	27638	3 UTR	0.0029	2
SYNPR	NM_144642	8	1276	ACAUUCAA	1269	3 UTR	0.0221	2
SYNPR	NM_144642	8	1276	ACAUUCAA	1269	3 UTR	0.0221	2
SYT15	NM_031912	9	4685	ACAUUCAAC	4677	3 UTR	0.0130	2
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SYT16	NM_031914	8	3032	ACAUUCAA	3025	3 UTR	0.0152	2
TACC2	NM_206862	7	9223	AACAUUC	9217	3 UTR	0.0300	1
TACC2	NM_206862	7	9223	AACAUUC	9217	3 UTR	0.0300	1
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TAF1A	NM_005681	8	1610	ACAUUCAA	1603	3 UTR	0.0053	2
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TAF9	NM_001015892	7	1280	ACAUUCA	1274	3 UTR	0.0133	2
TAF9B	NM_015975	9	2435	AACAUUCAA	2427	3 UTR	0.0072	1
TAF9B	NM_015975	8	2434	ACAUUCAA	2427	3 UTR	0.0284	2
TAF9B	NM_015975	9	2435	AACAUUCAA	2427	3 UTR	0.0072	1
TAF9B	NM_015975	8	2434	ACAUUCAA	2427	3 UTR	0.0284	2
TAGLN3	NM_013259	7	1190	AACAUUC	1184	3 UTR	0.0212	1
TAGLN3	NM_013259	7	1190	AACAUUC	1184	3 UTR	0.0212	1
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TAPT1	NM_153365	8	4046	ACAUUCAA	4039	3 UTR	0.0422	2
TBC1D1	NM_015173	9	5584	AACAUUCAA	5576	3 UTR	0.0070	1
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TBC1D9	NM_015130	8	5108	AACAUUCA	5101	3 UTR	0.0216	1
TBCD	NM_005993	8	4149	AACAUUCA	4142	3 UTR	0.0112	1
TBCD	NM_005993	7	4148	ACAUUCA	4142	3 UTR	0.0442	2
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TBXA2R	NM_001060	8	2102	ACAUUCAA	2095	3 UTR	0.0181	2
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TDRD3	NM_030794	8	2475	AACAUUCA	2468	3 UTR	0.0044	1
TEX2	NM_018469	9	4268	AACAUUCAA	4260	3 UTR	0.0059	1
TEX2	NM_018469	8	4267	ACAUUCAA	4260	3 UTR	0.0234	2
TEX2	NM_018469	9	4268	AACAUUCAA	4260	3 UTR	0.0059	1
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TFPI	NM_006287	8	3145	AACAUUCA	3138	3 UTR	0.0406	1
TFPI	NM_006287	8	3145	AACAUUCA	3138	3 UTR	0.0406	1
TFRC	NM_003234	9	5106	AACAUUCAA	5098	3 UTR	0.0102	1
TFRC	NM_003234	8	5105	ACAUUCAA	5098	3 UTR	0.0400	2
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TGFBI	NM_000358	9	2294	AACAUUCAA	2286	3 UTR	0.0023	1
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TGFBR2	NM_001024847	8	3859	ACAUUCAA	3852	3 UTR	0.0381	2
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TGIF2	NM_021809	10	1364	AACAUUCAAC	1355	3 UTR	0.0024	1

TGIF2	NM_021809	9	1363	ACAUUCAAC	1355	3 UTR	0.0096	2
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THOC7	NM_025075	7	876	ACAUUCA	870	3 UTR	0.0171	2
THOC7	NM_025075	7	876	ACAUUCA	870	3 UTR	0.0171	2
THSD7B	NM_001080427	8	5430	AACAUUCA	5423	3 UTR	0.0168	1
THSD7B	NM_001080427	8	5430	AACAUUCA	5423	3 UTR	0.0168	1
TIA1	NM_022173	8	3861	AACAUUCA	3854	3 UTR	0.0487	1
TIA1	NM_022173	8	4588	ACAUUCAA	4581	3 UTR	0.0487	2
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TIFA	NM_052864	8	1820	AACAUUCA	1813	3 UTR	0.0338	1
TIFA	NM_052864	8	1695	AACAUUCA	1688	3 UTR	0.0338	1
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TIMELESS	NM_003920	7	4342	ACAUUCA	4336	3 UTR	0.0388	2
TIMELESS	NM_003920	7	4342	ACAUUCA	4336	3 UTR	0.0388	2
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TIMM17A	NM_006335	8	1347	ACAUUCAA	1340	3 UTR	0.0170	2
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TMCO3	NM_017905	8	2654	ACAUUCAA	2647	3 UTR	0.0107	2
TMCO3	NM_017905	8	2654	ACAUUCAA	2647	3 UTR	0.0107	2
TMEM106B	NM_018374	10	2808	ACAUUCAACG	2799	3 UTR	0.0050	2
TMEM106B	NM_018374	10	2808	ACAUUCAACG	2799	3 UTR	0.0050	2
TMEM108	NM_023943	8	2338	AACAUUCA	2331	3 UTR	0.0272	1
TMEM108	NM_023943	8	2338	AACAUUCA	2331	3 UTR	0.0272	1
TMEM123	NM_052932	8	3198	ACAUUCAA	3191	3 UTR	0.0383	2
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TMEM127	NM_017849	8	2243	ACAUUCAA	2236	3 UTR	0.0484	2
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TMEM131	NM_015348	8	6584	ACAUUCAA	6577	3 UTR	0.0118	2
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TMEM144	NM_018342	8	2349	ACAUUCAA	2342	3 UTR	0.0265	2
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TMEM173	NM_198282	7	1468	ACAUUCA	1462	3 UTR	0.0195	2
TMEM173	NM_198282	7	1468	ACAUUCA	1462	3 UTR	0.0195	2
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TMEM206	NM_018252	7	1841	AACAUUC	1835	3 UTR	0.0452	1
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TMEM27	NM_020665	8	1054	ACAUUCAA	1047	3 UTR	0.0102	2
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TMEM33	NM_018126	8	1642	ACAUUCAA	1635	3 UTR	0.0242	2
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TMEM40	NM_018306	8	983	AACAUUCA	976	3 UTR	0.0134	1
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TMEM86A	NM_153347	8	3151	AACAUUCA	3144	3 UTR	0.0418	1
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TMPRSS11D	NM_004262	8	1523	AACAUUCA	1516	3 UTR	0.0223	1
TMTC1	NM_175861	9	5524	ACAUUCAAC	5516	3 UTR	0.0227	2
TMTC1	NM_175861	9	5524	ACAUUCAAC	5516	3 UTR	0.0227	2
TNF	NM_000594	7	1377	ACAUUCA	1371	3 UTR	0.0475	2

TNF	NM_000594	7	1377	ACAUUCA	1371	3 UTR	0.0475	2
TNFAIP1	NM_021137	8	3010	ACAUUCAA	3003	3 UTR	0.0361	2
TNFAIP1	NM_021137	8	3010	ACAUUCAA	3003	3 UTR	0.0361	2
TNFAIP6	NM_007115	8	1339	AACAUUCA	1332	3 UTR	0.0081	1
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TNFRSF11B	NM_002546	8	2274	ACAUUCAA	2267	3 UTR	0.0125	2
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TNFSF15	NM_005118	8	1411	AACAUUCA	1404	3 UTR	0.0172	1
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TNFSF4	NM_003326	9	3200	ACAUUCAAC	3192	3 UTR	0.0106	2
TNK1	NM_003985	7	2826	ACAUUCA	2820	3 UTR	0.0412	2
TNK1	NM_003985	7	2826	ACAUUCA	2820	3 UTR	0.0412	2
TNKS	NM_003747	9	5762	AACAUUCAA	5754	3 UTR	0.0212	1
TNKS	NM_003747	9	5762	AACAUUCAA	5754	3 UTR	0.0212	1
TNPO1	NM_002270	9	5788	AACAUUCAA	5780	3 UTR	0.0216	1
TNPO1	NM_002270	9	5788	AACAUUCAA	5780	3 UTR	0.0216	1
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TNS3	NM_022748	8	7544	AACAUUCA	7537	3 UTR	0.0446	1
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TOPBP1	NM_007027	7	4761	ACAUUCA	4755	3 UTR	0.0405	2
TOR1A	NM_000113	8	1190	AACAUUCA	1183	3 UTR	0.0158	1
TOR1A	NM_000113	8	1190	AACAUUCA	1183	3 UTR	0.0158	1
TOX	NM_014729	8	2259	AACAUUCA	2252	3 UTR	0.0349	1
TOX	NM_014729	8	2259	AACAUUCA	2252	3 UTR	0.0349	1
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TP63	NM_003722	8	4659	ACAUUCAA	4652	3 UTR	0.0418	2
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TPP1	NM_000391	8	3073	AACAUUCA	3066	3 UTR	0.0269	1
TPX2	NM_012112	7	3164	ACAUUCA	3158	3 UTR	0.0443	2
TPX2	NM_012112	7	3164	ACAUUCA	3158	3 UTR	0.0443	2
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TRADD	NM_003789	7	1440	AACAUUC	1434	3 UTR	0.0287	1
TRAK1	NM_001042646	8	4844	ACAUUCAA	4837	3 UTR	0.0307	2
TRAK1	NM_001042646	8	4844	ACAUUCAA	4837	3 UTR	0.0307	2
TREML4	NM_198153	8	1998	ACAUUCAA	1991	3 UTR	0.0209	2
TREML4	NM_198153	8	1998	ACAUUCAA	1991	3 UTR	0.0209	2
TRIM23	NM_001656	8	2252	AACAUUCA	2245	3 UTR	0.0316	1
TRIM23	NM_001656	8	2252	AACAUUCA	2245	3 UTR	0.0316	1
TRIM3	NM_006458	7	2723	ACAUUCA	2717	3 UTR	0.0263	2
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TRIM35	NM_171982	8	2202	AACAUUCA	2195	3 UTR	0.0398	1
TRIM35	NM_171982	8	2202	AACAUUCA	2195	3 UTR	0.0398	1
TRIM44	NM_017583	8	3969	AACAUUCA	3962	3 UTR	0.0447	1
TRIM44	NM_017583	8	3969	AACAUUCA	3962	3 UTR	0.0447	1
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TRPC6	NM_004621	8	4140	ACAUUCAA	4133	3 UTR	0.0210	2
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TSG101	NM_006292	8	1505	AACAUUCA	1498	3 UTR	0.0038	1
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TSGA14	NM_018718	8	3501	AACAUUCA	3494	3 UTR	0.0353	1
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TTC5	NM_138376	7	1482	AACAUUC	1476	3 UTR	0.0290	1
TTLL2	NM_031949	8	2145	ACAUUCAA	2138	3 UTR	0.0153	2
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TTLL7	NM_024686	7	3335	ACAUUCA	3329	3 UTR	0.0353	2
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TXLNA	NM_175852	8	3111	AACAUUCA	3104	3 UTR	0.0467	1
TXLNA	NM_175852	8	3111	AACAUUCA	3104	3 UTR	0.0467	1
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TXNDC10	NM_019022	8	3812	AACAUUCA	3805	3 UTR	0.0486	1
TXNDC12	NM_015913	8	1051	ACAUUCAA	1044	3 UTR	0.0124	2
TXNDC12	NM_015913	7	807	ACAUUCA	801	3 UTR	0.0487	2
TXNDC12	NM_015913	8	1051	ACAUUCAA	1044	3 UTR	0.0124	2
TXNDC12	NM_015913	7	807	ACAUUCA	801	3 UTR	0.0487	2
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UBAC2	NM_177967	8	1699	ACAUUCAA	1692	3 UTR	0.0165	2
UBE2B	NM_003337	8	1475	ACAUUCAA	1468	3 UTR	0.0264	2
UBE2B	NM_003337	8	1475	ACAUUCAA	1468	3 UTR	0.0264	2
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UBE2F	NM_080678	7	1121	AACAUUC	1115	3 UTR	0.0428	1
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UBP1	NM_014517	8	3543	ACAUUCAA	3536	3 UTR	0.0302	2
UBP1	NM_014517	8	3543	ACAUUCAA	3536	3 UTR	0.0302	2
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UBQLNL	NM_145053	7	1883	AACAUUC	1877	3 UTR	0.0381	1
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UBXD3	NM_152376	8	2488	AACAUUCA	2481	3 UTR	0.0309	1
UBXD6	NM_005671	7	1223	AACAUUC	1217	3 UTR	0.0367	1
UBXD6	NM_005671	7	1223	AACAUUC	1217	3 UTR	0.0367	1
ULK1	NM_003565	10	5097	AACAUUCAAC	5088	3 UTR	0.0017	1
ULK1	NM_003565	9	5096	ACAUUCAAC	5088	3 UTR	0.0069	2
ULK1	NM_003565	10	5097	AACAUUCAAC	5088	3 UTR	0.0017	1
ULK1	NM_003565	9	5096	ACAUUCAAC	5088	3 UTR	0.0069	2
USH2A	NM_206933	8	18879	ACAUUCAA	18872	3 UTR	0.0431	2
USH2A	NM_206933	8	18879	ACAUUCAA	18872	3 UTR	0.0431	2
USO1	NM_003715	8	3429	ACAUUCAA	3422	3 UTR	0.0142	2
USO1	NM_003715	8	3429	ACAUUCAA	3422	3 UTR	0.0142	2
USP13	NM_003940	7	3274	ACAUUCA	3268	3 UTR	0.0032	2
USP13	NM_003940	7	3274	ACAUUCA	3268	3 UTR	0.0032	2
USP33	NM_015017	8	4051	ACAUUCAA	4044	3 UTR	0.0204	2

USP33	NM_015017	8	4051	ACAUUCAA	4044	3 UTR	0.0204	2
USP9Y	NM_004654	8	9900	ACAUUCAA	9893	3 UTR	0.0217	2
USP9Y	NM_004654	8	9900	ACAUUCAA	9893	3 UTR	0.0217	2
UVRAG	NM_003369	8	4442	ACAUUCAA	4435	3 UTR	0.0422	2
UVRAG	NM_003369	8	4442	ACAUUCAA	4435	3 UTR	0.0422	2
VBP1	NM_003372	9	742	AACAUUCAA	734	3 UTR	0.0038	1
VBP1	NM_003372	8	741	ACAUUCAA	734	3 UTR	0.0150	2
VBP1	NM_003372	9	742	AACAUUCAA	734	3 UTR	0.0038	1
VBP1	NM_003372	8	741	ACAUUCAA	734	3 UTR	0.0150	2
VCAM1	NM_001078	7	2451	ACAUUCA	2445	3 UTR	0.0464	2
VCAM1	NM_001078	7	2451	ACAUUCA	2445	3 UTR	0.0464	2
VCAN	NM_004385	9	11468	AACAUUCAA	11460	3 UTR	0.0059	1
VCAN	NM_004385	8	11467	ACAUUCAA	11460	3 UTR	0.0233	2
VCAN	NM_004385	9	11468	AACAUUCAA	11460	3 UTR	0.0059	1
VCAN	NM_004385	8	11467	ACAUUCAA	11460	3 UTR	0.0233	2
VGLL3	NM_016206	9	7741	AACAUUCAA	7733	3 UTR	0.0339	1
VGLL3	NM_016206	9	7741	AACAUUCAA	7733	3 UTR	0.0339	1
VIP	NM_003381	9	1128	AACAUUCAA	1120	3 UTR	0.0036	1
VIP	NM_003381	8	841	AACAUUCA	834	3 UTR	0.0141	1
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VPS13B	NM_017890	8	14033	AACAUUCA	14026	3 UTR	0.0290	1
VPS13B	NM_017890	8	14033	AACAUUCA	14026	3 UTR	0.0290	1
VPS33B	NM_018668	8	2477	ACAUUCAA	2470	3 UTR	0.0066	2
VPS33B	NM_018668	8	2477	ACAUUCAA	2470	3 UTR	0.0066	2
VPS37A	NM_152415	7	3567	ACAUUCA	3561	3 UTR	0.0331	2
VPS37A	NM_152415	7	3567	ACAUUCA	3561	3 UTR	0.0331	2
VPS41	NM_014396	8	4391	ACAUUCAA	4384	3 UTR	0.0345	2
VPS41	NM_014396	8	4391	ACAUUCAA	4384	3 UTR	0.0345	2
VRK3	NM_016440	7	1966	ACAUUCA	1960	3 UTR	0.0216	2
VRK3	NM_016440	7	1966	ACAUUCA	1960	3 UTR	0.0216	2
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WASL	NM_003941	8	2326	AACAUUCA	2319	3 UTR	0.0387	1

WASL	NM_003941	8	2326	AACAUUCA	2319	3 UTR	0.0387	1
WDFY1	NM_020830	10	3049	AACAUUCAAC	3040	3 UTR	0.0032	1
WDFY1	NM_020830	9	3048	ACAUUCAAC	3040	3 UTR	0.0126	2
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WDFY3	NM_014991	8	14183	AACAUUCA	14176	3 UTR	0.0497	1
WDFY3	NM_014991	8	14183	AACAUUCA	14176	3 UTR	0.0497	1
WDR21A	NM_015604	8	1810	AACAUUCA	1803	3 UTR	0.0136	1
WDR21A	NM_015604	8	2374	ACAUUCAA	2367	3 UTR	0.0136	2
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WDR21C	NM_152418	8	1990	ACAUUCAA	1983	3 UTR	0.0309	2
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WDR23	NM_025230	9	2647	AACAUUCAA	2639	3 UTR	0.0074	1
WDR23	NM_025230	8	2646	ACAUUCAA	2639	3 UTR	0.0293	2
WDR23	NM_025230	9	2647	AACAUUCAA	2639	3 UTR	0.0074	1
WDR23	NM_025230	8	2646	ACAUUCAA	2639	3 UTR	0.0293	2
WDR40B	NM_178470	8	2411	ACAUUCAA	2404	3 UTR	0.0263	2
WDR40B	NM_178470	8	2411	ACAUUCAA	2404	3 UTR	0.0263	2
WDR45L	NM_019613	8	1789	AACAUUCA	1782	3 UTR	0.0206	1
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WDR66	NM_144668	7	3608	AACAUUC	3602	3 UTR	0.0107	1
WDR66	NM_144668	7	3608	AACAUUC	3602	3 UTR	0.0107	1
WDR7	NM_015285	8	7228	AACAUUCA	7221	3 UTR	0.0389	1
WDR7	NM_015285	8	7228	AACAUUCA	7221	3 UTR	0.0389	1
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WDR79	NM_018081	8	1836	ACAUUCAA	1829	3 UTR	0.0002	2
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WFS1	NM_006005	7	3470	ACAUUCA	3464	3 UTR	0.0475	2
WFS1	NM_006005	7	3470	ACAUUCA	3464	3 UTR	0.0475	2
WHDC1	NM_001080435	8	4020	AACAUUCA	4013	3 UTR	0.0200	1
WHDC1	NM_001080435	8	4013	ACAUUCAA	4006	3 UTR	0.0200	2
WHDC1	NM_001080435	8	4020	AACAUUCA	4013	3 UTR	0.0200	1
WHDC1	NM_001080435	8	4013	ACAUUCAA	4006	3 UTR	0.0200	2
WIF1	NM_007191	10	1357	AACAUUCAAC	1348	3 UTR	0.0007	1
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WNT11	NM_004626	7	1559	AACAUUC	1553	3 UTR	0.0441	1
WNT11	NM_004626	7	1559	AACAUUC	1553	3 UTR	0.0441	1
WNT16	NM_057168	9	2750	AACAUUCAA	2742	3 UTR	0.0068	1
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WNT5B	NM_032642	8	1995	AACAUUCA	1988	3 UTR	0.0150	1
WSB1	NM_015626	8	2405	ACAUUCAA	2398	3 UTR	0.0191	2
WSB1	NM_015626	8	2405	ACAUUCAA	2398	3 UTR	0.0191	2
WSCD1	NM_015253	9	5595	ACAUUCAAC	5587	3 UTR	0.0143	2
WSCD1	NM_015253	9	5595	ACAUUCAAC	5587	3 UTR	0.0143	2
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WTAP	NM_004906	9	1646	AACAUUCAA	1638	3 UTR	0.0028	1
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XG	NM_175569	8	939	ACAUUCAA	932	3 UTR	0.0320	2
XG	NM_175569	8	939	ACAUUCAA	932	3 UTR	0.0320	2
XRRA1	NM_182969	9	3246	ACAUUCAAC	3238	3 UTR	0.0088	2
XRRA1	NM_182969	9	3246	ACAUUCAAC	3238	3 UTR	0.0088	2
YIPF4	NM_032312	8	1711	ACAUUCAA	1704	3 UTR	0.0148	2
YIPF4	NM_032312	8	1711	ACAUUCAA	1704	3 UTR	0.0148	2
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YLPM1	NM_019589	8	8101	ACAUUCAA	8094	3 UTR	0.0239	2
YOD1	NM_018566	9	5189	AACAUUCAA	5181	3 UTR	0.0195	1
YOD1	NM_018566	9	5189	AACAUUCAA	5181	3 UTR	0.0195	1
YTHDC1	NM_001031732	9	3860	AACAUUCAA	3852	3 UTR	0.0141	1
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YTHDC2	NM_022828	8	6220	ACAUUCAA	6213	3 UTR	0.0275	2
YTHDC2	NM_022828	8	6220	ACAUUCAA	6213	3 UTR	0.0275	2
YTHDF2	NM_016258	8	2965	AACAUUCA	2958	3 UTR	0.0127	1
YTHDF2	NM_016258	7	2964	ACAUUCA	2958	3 UTR	0.0497	2
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ZADH1	NM_152444	8	2505	AACAUUCA	2498	3 UTR	0.0194	1
ZADH2	NM_175907	8	2955	AACAUUCA	2948	3 UTR	0.0432	1

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ZBP1	NM_030776	9	1832	AACAUUCAA	1824	3 UTR	0.0029	1
ZBP1	NM_030776	8	1831	ACAUUCAA	1824	3 UTR	0.0115	2
ZBP1	NM_030776	9	1832	AACAUUCAA	1824	3 UTR	0.0029	1
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ZBTB2	NM_020861	8	2481	ACAUUCAA	2474	3 UTR	0.0215	2
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ZBTB4	NM_020899	8	5037	AACAUUCA	5030	3 UTR	0.0388	1
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ZC3H11A	NM_014827	8	4506	AACAUUCA	4499	3 UTR	0.0263	1
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ZDHHC3	NM_016598	9	10927	AACAUUCAA	10919	3 UTR	0.0428	1
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ZFP2	NM_030613	7	1903	AACAUUC	1897	3 UTR	0.0306	1
ZFP2	NM_030613	7	1903	AACAUUC	1897	3 UTR	0.0306	1
ZFP36L2	NM_006887	8	3565	ACAUUCAA	3558	3 UTR	0.0290	2
ZFP36L2	NM_006887	8	3565	ACAUUCAA	3558	3 UTR	0.0290	2
ZFR	NM_016107	8	3879	AACAUUCA	3872	3 UTR	0.0217	1
ZFR	NM_016107	8	3879	AACAUUCA	3872	3 UTR	0.0217	1
ZFX	NM_003410	9	5714	AACAUUCAA	5706	3 UTR	0.0119	1
ZFX	NM_003410	8	5713	ACAUUCAA	5706	3 UTR	0.0467	2
ZFX	NM_003410	9	5714	AACAUUCAA	5706	3 UTR	0.0119	1
ZFX	NM_003410	8	5713	ACAUUCAA	5706	3 UTR	0.0467	2
ZFYVE16	NM_001105251	8	5655	AACAUUCA	5648	3 UTR	0.0345	1
ZFYVE16	NM_001105251	8	5655	AACAUUCA	5648	3 UTR	0.0345	1
ZFYVE26	NM_015346	10	9634	AACAUUCAAC	9625	3 UTR	0.0018	1
ZFYVE26	NM_015346	9	9633	ACAUUCAAC	9625	3 UTR	0.0073	2
ZFYVE26	NM_015346	10	9634	AACAUUCAAC	9625	3 UTR	0.0018	1
ZFYVE26	NM_015346	9	9633	ACAUUCAAC	9625	3 UTR	0.0073	2
ZFYVE27	NM_001002261	8	1950	ACAUUCAA	1943	3 UTR	0.0240	2
ZFYVE27	NM_001002261	8	1950	ACAUUCAA	1943	3 UTR	0.0240	2
ZKSCAN3	NM_024493	8	2294	ACAUUCAA	2287	3 UTR	0.0073	2

ZKSCAN3	NM_024493	8	2294	ACAUUCAA	2287	3 UTR	0.0073	2
ZMAT1	NM_032441	9	4907	AACAUUCAA	4899	3 UTR	0.0046	1
ZMAT1	NM_032441	8	4906	ACAUUCAA	4899	3 UTR	0.0184	2
ZMAT1	NM_032441	9	4907	AACAUUCAA	4899	3 UTR	0.0046	1
ZMAT1	NM_032441	8	4906	ACAUUCAA	4899	3 UTR	0.0184	2
ZMYM1	NM_024772	7	3900	ACAUUCA	3894	3 UTR	0.0357	2
ZMYM1	NM_024772	7	3900	ACAUUCA	3894	3 UTR	0.0357	2
ZNF124	NM_003431	8	1242	AACAUUCA	1235	3 UTR	0.0101	1
ZNF124	NM_003431	7	1241	ACAUUCA	1235	3 UTR	0.0398	2
ZNF124	NM_003431	7	1077	ACAUUCA	1071	3 UTR	0.0398	2
ZNF124	NM_003431	8	1242	AACAUUCA	1235	3 UTR	0.0101	1
ZNF124	NM_003431	7	1241	ACAUUCA	1235	3 UTR	0.0398	2
ZNF124	NM_003431	7	1077	ACAUUCA	1071	3 UTR	0.0398	2
ZNF131	NM_003432	7	2400	AACAUUC	2394	3 UTR	0.0360	1
ZNF131	NM_003432	7	2400	AACAUUC	2394	3 UTR	0.0360	1
ZNF133	NM_003434	7	2559	AACAUUC	2553	3 UTR	0.0120	1
ZNF133	NM_003434	7	2559	AACAUUC	2553	3 UTR	0.0120	1
ZNF200	NM_003454	9	2381	ACAUUCAAC	2373	3 UTR	0.0060	2
ZNF200	NM_003454	9	2381	ACAUUCAAC	2373	3 UTR	0.0060	2
ZNF207	NM_001098507	7	2096	ACAUUCA	2090	3 UTR	0.0418	2
ZNF207	NM_001098507	7	2096	ACAUUCA	2090	3 UTR	0.0418	2
ZNF212	NM_012256	9	2657	ACAUUCAAC	2649	3 UTR	0.0046	2
ZNF212	NM_012256	9	2657	ACAUUCAAC	2649	3 UTR	0.0046	2
ZNF236	NM_007345	8	7421	ACAUUCAA	7414	3 UTR	0.0360	2
ZNF236	NM_007345	8	7421	ACAUUCAA	7414	3 UTR	0.0360	2
ZNF248	NM_021045	8	2244	AACAUUCA	2237	3 UTR	0.0395	1
ZNF248	NM_021045	8	2244	AACAUUCA	2237	3 UTR	0.0395	1
ZNF253	NM_021047	7	1630	ACAUUCA	1624	3 UTR	0.0453	2
ZNF253	NM_021047	7	1621	ACAUUCA	1615	3 UTR	0.0453	2
ZNF253	NM_021047	7	1630	ACAUUCA	1624	3 UTR	0.0453	2
ZNF253	NM_021047	7	1621	ACAUUCA	1615	3 UTR	0.0453	2
ZNF277	NM_021994	8	1627	AACAUUCA	1620	3 UTR	0.0182	1
ZNF277	NM_021994	8	1627	AACAUUCA	1620	3 UTR	0.0182	1
ZNF280D	NM_017661	8	4393	AACAUUCA	4386	3 UTR	0.0200	1
ZNF280D	NM_017661	8	4393	AACAUUCA	4386	3 UTR	0.0200	1
ZNF281	NM_012482	7	2871	AACAUUC	2865	3 UTR	0.0442	1
ZNF281	NM_012482	7	2871	AACAUUC	2865	3 UTR	0.0442	1
ZNF329	NM_024620	8	2671	ACAUUCAA	2664	3 UTR	0.0236	2

ZNF329	NM_024620	8	2671	ACAUUCAA	2664	3 UTR	0.0236	2
ZNF341	NM_032819	7	2695	ACAUUCA	2689	3 UTR	0.0457	2
ZNF341	NM_032819	7	2695	ACAUUCA	2689	3 UTR	0.0457	2
ZNF345	NM_003419	8	2075	AACAUUCA	2068	3 UTR	0.0199	1
ZNF345	NM_003419	8	2075	AACAUUCA	2068	3 UTR	0.0199	1
ZNF364	NM_014455	8	1255	AACAUUCA	1248	3 UTR	0.0084	1
ZNF364	NM_014455	7	1254	ACAUUCA	1248	3 UTR	0.0334	2
ZNF364	NM_014455	8	1255	AACAUUCA	1248	3 UTR	0.0084	1
ZNF364	NM_014455	7	1254	ACAUUCA	1248	3 UTR	0.0334	2
ZNF398	NM_020781	8	4361	ACAUUCAA	4354	3 UTR	0.0483	2
ZNF398	NM_020781	8	4361	ACAUUCAA	4354	3 UTR	0.0483	2
ZNF418	NM_133460	8	2855	ACAUUCAA	2848	3 UTR	0.0210	2
ZNF418	NM_133460	8	2855	ACAUUCAA	2848	3 UTR	0.0210	2
ZNF419	NM_001098491	8	2318	AACAUUCA	2311	3 UTR	0.0092	1
ZNF419	NM_001098491	7	2317	ACAUUCA	2311	3 UTR	0.0364	2
ZNF419	NM_001098491	8	2318	AACAUUCA	2311	3 UTR	0.0092	1
ZNF419	NM_001098491	7	2317	ACAUUCA	2311	3 UTR	0.0364	2
ZNF420	NM_144689	7	2873	ACAUUCA	2867	3 UTR	0.0423	2
ZNF420	NM_144689	7	2873	ACAUUCA	2867	3 UTR	0.0423	2
ZNF436	NM_001077195	8	3603	AACAUUCA	3596	3 UTR	0.0377	1
ZNF436	NM_001077195	8	3603	AACAUUCA	3596	3 UTR	0.0377	1
ZNF44	NM_016264	7	2128	ACAUUCA	2122	3 UTR	0.0372	2
ZNF44	NM_016264	7	2128	ACAUUCA	2122	3 UTR	0.0372	2
ZNF479	NM_033273	8	1965	ACAUUCAA	1958	3 UTR	0.0034	2
ZNF479	NM_033273	8	1965	ACAUUCAA	1958	3 UTR	0.0034	2
ZNF527	NM_032453	8	2033	ACAUUCAA	2026	3 UTR	0.0474	2
ZNF527	NM_032453	8	2033	ACAUUCAA	2026	3 UTR	0.0474	2
ZNF540	NM_152606	8	2851	AACAUUCA	2844	3 UTR	0.0154	1
ZNF540	NM_152606	8	2851	AACAUUCA	2844	3 UTR	0.0154	1
ZNF544	NM_014480	8	2955	AACAUUCA	2948	3 UTR	0.0135	1
ZNF544	NM_014480	8	2955	AACAUUCA	2948	3 UTR	0.0135	1
ZNF545	NM_133466	7	1878	ACAUUCA	1872	3 UTR	0.0477	2
ZNF545	NM_133466	7	1878	ACAUUCA	1872	3 UTR	0.0477	2
ZNF547	NM_173631	8	1837	ACAUUCAA	1830	3 UTR	0.0209	2
ZNF547	NM_173631	8	1837	ACAUUCAA	1830	3 UTR	0.0209	2
ZNF566	NM_032838	8	2369	AACAUUCA	2362	3 UTR	0.0196	1
ZNF566	NM_032838	8	2369	AACAUUCA	2362	3 UTR	0.0196	1
ZNF571	NM_016536	8	1946	ACAUUCAA	1939	3 UTR	0.0055	2

ZNF571	NM_016536	8	1946	ACAUUCAA	1939	3 UTR	0.0055	2
ZNF575	NM_174945	7	1708	ACAUUCA	1702	3 UTR	0.0272	2
ZNF575	NM_174945	7	1708	ACAUUCA	1702	3 UTR	0.0272	2
ZNF586	NM_017652	8	1716	ACAUUCAA	1709	3 UTR	0.0124	2
ZNF586	NM_017652	8	1716	ACAUUCAA	1709	3 UTR	0.0124	2
ZNF594	NM_032530	8	4854	AACAUUCA	4847	3 UTR	0.0344	1
ZNF594	NM_032530	8	3284	AACAUUCA	3277	3 UTR	0.0344	1
ZNF594	NM_032530	8	3358	ACAUUCAA	3351	3 UTR	0.0344	2
ZNF594	NM_032530	8	4854	AACAUUCA	4847	3 UTR	0.0344	1
ZNF594	NM_032530	8	3284	AACAUUCA	3277	3 UTR	0.0344	1
ZNF594	NM_032530	8	3358	ACAUUCAA	3351	3 UTR	0.0344	2
ZNF598	NM_178167	7	3167	AACAUUC	3161	3 UTR	0.0289	1
ZNF598	NM_178167	7	3167	AACAUUC	3161	3 UTR	0.0289	1
ZNF610	NM_173530	7	1768	ACAUUCA	1762	3 UTR	0.0055	2
ZNF610	NM_173530	7	1768	ACAUUCA	1762	3 UTR	0.0055	2
ZNF649	NM_023074	8	3036	AACAUUCA	3029	3 UTR	0.0210	1
ZNF649	NM_023074	8	3036	AACAUUCA	3029	3 UTR	0.0210	1
ZNF652	NM_014897	10	10641	AACAUUCAAC	10632	3 UTR	0.0031	1
ZNF652	NM_014897	9	10640	ACAUUCAAC	10632	3 UTR	0.0125	2
ZNF652	NM_014897	8	7882	ACAUUCAA	7875	3 UTR	0.0489	2
ZNF652	NM_014897	10	10641	AACAUUCAAC	10632	3 UTR	0.0031	1
ZNF652	NM_014897	9	10640	ACAUUCAAC	10632	3 UTR	0.0125	2
ZNF652	NM_014897	8	7882	ACAUUCAA	7875	3 UTR	0.0489	2
ZNF654	NM_018293	10	4813	AACAUUCAAC	4804	3 UTR	0.0029	1
ZNF654	NM_018293	9	4812	ACAUUCAAC	4804	3 UTR	0.0114	2
ZNF654	NM_018293	10	4813	AACAUUCAAC	4804	3 UTR	0.0029	1
ZNF654	NM_018293	9	4812	ACAUUCAAC	4804	3 UTR	0.0114	2
ZNF655	NM_001083956	8	2231	ACAUUCAA	2224	3 UTR	0.0431	2
ZNF655	NM_001083956	8	2231	ACAUUCAA	2224	3 UTR	0.0431	2
ZNF664	NM_152437	8	2803	ACAUUCAA	2796	3 UTR	0.0376	2
ZNF664	NM_152437	8	2803	ACAUUCAA	2796	3 UTR	0.0376	2
ZNF667	NM_022103	8	3047	AACAUUCA	3040	3 UTR	0.0203	1
ZNF667	NM_022103	8	3047	AACAUUCA	3040	3 UTR	0.0203	1
ZNF674	NM_001039891	8	4014	ACAUUCAA	4007	3 UTR	0.0111	2
ZNF674	NM_001039891	7	2246	ACAUUCA	2240	3 UTR	0.0437	2
ZNF674	NM_001039891	8	4014	ACAUUCAA	4007	3 UTR	0.0111	2
ZNF674	NM_001039891	7	2246	ACAUUCA	2240	3 UTR	0.0437	2
ZNF697	NM_001080470	8	2991	AACAUUCA	2984	3 UTR	0.0495	1

ZNF697	NM_001080470	8	2991	AACAUUCA	2984	3 UTR	0.0495	1
ZNF700	NM_144566	7	2723	ACAUUCA	2717	3 UTR	0.0318	2
ZNF700	NM_144566	7	2639	ACAUUCA	2633	3 UTR	0.0318	2
ZNF700	NM_144566	7	2723	ACAUUCA	2717	3 UTR	0.0318	2
ZNF700	NM_144566	7	2639	ACAUUCA	2633	3 UTR	0.0318	2
ZNF750	NM_024702	8	3066	AACAUUCA	3059	3 UTR	0.0112	1
ZNF750	NM_024702	7	3065	ACAUUCA	3059	3 UTR	0.0439	2
ZNF750	NM_024702	8	3066	AACAUUCA	3059	3 UTR	0.0112	1
ZNF750	NM_024702	7	3065	ACAUUCA	3059	3 UTR	0.0439	2
ZNF767	NM_024910	9	991	AACAUUCAA	983	3 UTR	0.0110	1
ZNF767	NM_024910	8	990	ACAUUCAA	983	3 UTR	0.0431	2
ZNF767	NM_024910	9	991	AACAUUCAA	983	3 UTR	0.0110	1
ZNF767	NM_024910	8	990	ACAUUCAA	983	3 UTR	0.0431	2
ZNF781	NM_152605	8	2351	ACAUUCAA	2344	3 UTR	0.0214	2
ZNF781	NM_152605	8	2351	ACAUUCAA	2344	3 UTR	0.0214	2
ZNF792	NM_175872	8	3297	ACAUUCAA	3290	3 UTR	0.0243	2
ZNF792	NM_175872	8	3297	ACAUUCAA	3290	3 UTR	0.0243	2
ZNF800	NM_176814	8	4101	ACAUUCAA	4094	3 UTR	0.0232	2
ZNF800	NM_176814	8	4101	ACAUUCAA	4094	3 UTR	0.0232	2
ZNF823	NM_001080493	7	2042	ACAUUCA	2036	3 UTR	0.0274	2
ZNF823	NM_001080493	7	2042	ACAUUCA	2036	3 UTR	0.0274	2
ZNF83	NM_001105549	7	2547	ACAUUCA	2541	3 UTR	0.0401	2
ZNF83	NM_001105549	7	2464	ACAUUCA	2458	3 UTR	0.0401	2
ZNF83	NM_001105549	7	2380	ACAUUCA	2374	3 UTR	0.0401	2
ZNF83	NM_001105549	7	2547	ACAUUCA	2541	3 UTR	0.0401	2
ZNF83	NM_001105549	7	2464	ACAUUCA	2458	3 UTR	0.0401	2
ZNF83	NM_001105549	7	2380	ACAUUCA	2374	3 UTR	0.0401	2
ZNRF4	NM_181710	7	1405	AACAUUC	1399	3 UTR	0.0046	1
ZNRF4	NM_181710	7	1405	AACAUUC	1399	3 UTR	0.0046	1
ZRANB2	NM_005455	8	2458	AACAUUCA	2451	3 UTR	0.0286	1
ZRANB2	NM_005455	8	2458	AACAUUCA	2451	3 UTR	0.0286	1
ZSWIM1	NM_080603	8	2159	AACAUUCA	2152	3 UTR	0.0101	1
ZSWIM1	NM_080603	7	2158	ACAUUCA	2152	3 UTR	0.0399	2
ZSWIM1	NM_080603	8	2159	AACAUUCA	2152	3 UTR	0.0101	1
ZSWIM1	NM_080603	7	2158	ACAUUCA	2152	3 UTR	0.0399	2
ZXDC	NM_001040653	8	12517	AACAUUCA	12510	3 UTR	0.0404	1
ZXDC	NM_001040653	8	9449	ACAUUCAA	9442	3 UTR	0.0404	2
ZXDC	NM_001040653	8	12517	AACAUUCA	12510	3 UTR	0.0404	1

ZXDC	NM_001040653	8	9449	ACAUUCAA	9442	3 UTR	0.0404	2
ZZZ3	NM_015534	8	3840	AACAUUCA	3833	3 UTR	0.0175	1
ZZZ3	NM_015534	8	3840	AACAUUCA	3833	3 UTR	0.0175	1

Supplementary Table 21. A summary of predicted targets of hsa-miR-181a by all 8 programs.

Gene	DIANA-mT	miRanda	miRDB	miRWalk	RNAhybrid	PICTAR4	PICTAR5	PITA	RNA22	Targetscan	SUM
RNF145	1	1	1	1	1	1	1	1	1	1	10
TCERG1	1	1	1	1	1	1	1	0	1	1	9
SIRT1	1	1	1	1	1	1	1	0	1	1	9
SS18L1	1	1	1	1	1	1	1	1	0	1	9
NR6A1	1	1	1	1	1	1	1	0	1	1	9
FOXP1	1	1	1	1	1	1	1	1	0	1	9
GLS	1	1	1	1	1	1	1	1	0	1	9
HOXA11	1	1	1	1	1	1	1	0	1	1	9
SMAD7	1	1	1	1	1	0	1	1	1	1	9
MAP1B	1	1	1	1	1	1	1	0	1	1	9
INOC1	1	1	1	1	1	1	1	0	1	1	9
CDKN2AIP	1	1	1	1	1	0	1	1	1	1	9
LRRN1	1	1	1	1	1	1	1	1	0	1	9
TGFBI	1	1	1	1	1	0	1	1	1	1	9
YWHAG	1	1	1	1	1	1	1	1	0	1	9
C17orf39	1	1	1	1	1	1	1	1	0	1	9
CHD9	1	1	1	1	1	1	1	0	1	1	9
NAT13	1	1	1	1	1	1	1	1	0	1	9
C6orf62	1	1	1	1	1	1	1	0	1	1	9
ACVR2A	1	1	1	1	1	1	1	1	0	1	9
DCLK1	1	1	1	1	1	1	1	1	0	1	9
NMT2	1	1	1	1	1	1	1	0	1	1	9
NPEPPS	1	1	1	1	1	1	1	0	1	1	9
KIAA0195	1	1	1	1	1	0	1	1	1	1	9
CDH13	1	1	0	1	1	1	1	0	1	1	8
PDIA6	1	1	0	1	1	0	1	1	1	1	8
IPO8	1	1	1	1	1	0	1	0	1	1	8
IGF2BP2	1	1	1	1	1	1	1	0	0	1	8
SLITRK1	1	1	1	1	1	1	1	0	0	1	8
SSX2IP	1	1	1	1	1	1	1	0	0	1	8
COL16A1	1	1	0	1	1	0	1	1	1	1	8
ADM	1	1	1	1	1	1	1	0	0	1	8
ZNF800	1	1	1	1	1	1	1	0	0	1	8
ADAMTS18	1	1	1	1	1	1	1	0	0	1	8
DPYSL2	1	1	1	1	1	1	1	0	0	1	8
E2F5	1	1	1	1	1	1	1	0	0	1	8
EIF4A2	1	1	1	1	1	1	1	0	0	1	8
EN2	1	1	1	1	1	1	1	0	0	1	8

ETV6	1	1	1	1	1	1	1	0	0	1	8
ACSL1	1	1	1	1	1	0	1	0	1	1	8
FBN2	1	1	1	1	1	0	1	0	1	1	8
C7orf41	1	1	1	1	1	1	1	0	0	1	8
FKBP1A	1	1	1	1	1	0	1	0	1	1	8
BTBD3	1	1	1	1	1	1	1	0	0	1	8
KIAA0423	1	1	1	1	1	0	1	0	1	1	8
HIC2	1	1	1	1	1	1	1	0	0	1	8
KANK1	1	0	1	1	1	1	1	0	1	1	8
HISPPD1	1	1	1	1	1	0	1	0	1	1	8
SYNE1	0	1	1	1	1	1	1	0	1	1	8
ZNF281	1	1	0	1	1	1	1	1	1	0	8
FOS	1	1	0	1	1	1	1	0	1	1	8
LEMD3	1	1	1	1	1	1	1	0	0	1	8
BRD1	1	1	1	1	1	1	1	0	0	1	8
OSBPL3	1	1	1	1	1	1	1	0	0	1	8
EPC2	1	1	1	1	1	1	1	0	0	1	8
GAPVD1	1	1	1	1	1	1	1	0	0	1	8
GATA6	1	1	1	1	1	1	1	0	0	1	8
NPTN	1	1	0	1	1	1	1	1	0	1	8
ATP11C	1	1	1	1	1	0	1	1	0	1	8
KLF15	1	1	1	1	1	1	1	0	0	1	8
LRP12	1	1	1	1	1	1	1	0	0	1	8
BAZ2B	1	1	1	1	1	1	1	0	0	1	8
HLF	1	1	1	1	1	1	1	0	0	1	8
HOXA1	1	1	1	1	0	0	1	1	1	1	8
ID4	1	1	0	1	1	1	1	0	1	1	8
JARID2	1	1	0	1	1	1	1	0	1	1	8
KPNA1	1	1	1	1	1	0	1	0	1	1	8
KPNA4	1	1	1	1	0	0	1	1	1	1	8
KRAS	1	1	1	1	1	1	1	0	0	1	8
LIN28B	1	1	1	1	1	1	1	0	0	1	8
LMO1	1	1	0	1	1	1	1	0	1	1	8
MAT2A	1	1	1	1	1	0	1	1	0	1	8
MAP3K3	1	0	1	1	1	1	1	1	0	1	8
ATP1B1	1	0	1	1	1	1	1	0	1	1	8
NOVA1	1	1	1	1	1	1	1	0	0	1	8
ATP2B2	1	1	1	1	1	1	1	0	0	1	8
PAWR	1	1	1	1	1	0	1	0	1	1	8
PBX3	1	1	1	1	1	1	1	0	0	1	8
PHF20L1	1	1	1	1	1	1	1	0	0	1	8

PDGFRA	1	1	1	1	1	1	1	0	0	1	8
HECA	1	1	1	1	1	1	1	0	0	1	8
SLC38A2	1	1	1	1	1	1	1	0	0	1	8
AFTPH	1	1	1	1	1	1	1	0	0	1	8
PI4K2B	1	1	1	1	1	1	1	0	0	1	8
CHD7	1	1	0	1	1	1	1	0	1	1	8
PRKCE	1	1	1	1	1	1	1	0	0	1	8
LMO3	1	0	1	1	1	1	1	1	0	1	8
CTTNBP2NL	1	1	1	1	1	1	1	0	0	1	8
MAP2K1	1	1	1	1	1	0	1	0	1	1	8
PCDHA6	1	1	1	1	1	1	1	0	0	1	8
TM9SF3	1	1	1	1	1	1	1	0	0	1	8
ZBTB4	1	1	1	1	1	0	1	1	0	1	8
BAI3	1	1	1	1	1	1	1	0	0	1	8
RAD21	1	1	1	1	1	1	1	0	0	1	8
RLF	1	1	1	1	1	1	1	0	0	1	8
PKNOX2	1	1	1	1	1	0	1	1	0	1	8
SEL1L	1	1	1	1	1	1	1	0	0	1	8
MPP5	1	1	1	1	1	1	1	0	0	1	8
SOX5	1	0	1	1	1	1	1	0	1	1	8
STC1	1	1	1	1	1	0	1	1	0	1	8
TIMP3	1	1	1	1	1	1	1	0	0	1	8
ZIC2	1	1	0	1	1	1	1	0	1	1	8
ZIC3	1	1	1	1	1	1	1	0	0	1	8
CALB1	1	1	1	1	0	0	1	1	1	1	8
ARSJ	1	1	1	1	1	1	1	0	0	1	8
RNF34	1	0	1	1	1	0	1	1	1	1	8
C13orf23	1	1	1	1	1	0	1	1	0	1	8
CPEB4	1	1	1	1	1	1	1	0	0	1	8
ANKRD13C	1	1	1	1	1	1	1	0	0	1	8
CUL3	1	1	1	1	1	1	1	0	0	1	8
PIK3R3	1	1	1	1	1	1	1	0	0	1	8
DOCK7	1	1	1	1	1	1	1	0	0	1	8
IRS2	1	1	1	1	1	1	1	0	0	1	8
CBLB	1	1	1	1	1	1	1	0	0	1	8
PCAF	1	1	1	1	1	1	1	0	0	1	8
DHX57	1	1	1	1	1	0	1	0	1	1	8
NRXN1	1	1	1	1	1	1	1	0	0	1	8
AKAP7	1	1	1	1	1	1	1	0	0	1	8
TBPL1	1	1	1	1	1	1	1	0	0	1	8
TOX	1	1	1	1	1	1	1	0	0	1	8

KIAA0528	1	1	1	1	1	0	1	0	1	1	8
LRBA	1	1	1	1	1	1	1	0	0	1	8
G3BP2	1	1	1	1	1	1	1	0	0	1	8
CLASP1	1	1	1	0	1	1	1	1	0	1	8
FBXO33	1	1	1	0	1	1	1	0	1	1	8
MAMDC2	1	1	1	0	1	1	1	0	1	1	8
ATP2A2	1	1	1	0	1	1	1	1	1	0	8
TOM1L1	1	1	1	1	1	0	1	0	0	1	7
CTDSPL	1	1	1	1	0	0	1	1	0	1	7
KCNMB2	1	1	1	1	0	0	1	0	1	1	7
CDKN3	1	1	1	1	0	0	1	0	1	1	7
PCGF3	1	1	1	1	0	0	1	1	0	1	7
CARM1	1	1	0	1	1	0	1	1	0	1	7
NCOA2	0	1	1	1	1	1	1	0	0	1	7
CEBPG	1	1	1	1	0	0	1	1	0	1	7
ARFGEF2	1	1	1	1	1	0	1	0	0	1	7
ADCY1	1	1	0	1	1	1	1	0	0	1	7
C1orf2	1	1	0	1	1	0	1	1	0	1	7
NFAT5	1	0	1	1	1	0	1	1	0	1	7
METAP2	1	1	1	1	0	0	1	0	1	1	7
ADAMTS6	1	1	0	1	1	1	1	0	0	1	7
WIF1	1	1	1	1	0	0	1	0	1	1	7
KLHL2	1	0	1	1	1	1	1	0	0	1	7
OSBPL8	1	1	1	1	1	0	1	0	0	1	7
FAT3	1	1	1	1	0	0	1	1	0	1	7
CNR1	1	1	0	1	1	1	1	0	0	1	7
MBOAT2	1	1	1	1	1	0	1	0	0	1	7
KLF6	0	1	1	1	1	1	1	0	0	1	7
CPEB2	1	1	0	1	1	1	1	0	0	1	7
PRRC1	1	1	1	1	0	0	1	1	0	1	7
ANKRD43	1	1	1	1	1	0	1	0	0	1	7
CPD	1	1	1	1	1	0	1	0	0	1	7
CREB1	1	1	0	1	1	1	1	0	0	1	7
CNTN4	1	1	1	1	1	0	1	0	0	1	7
NKAIN2	1	1	1	1	0	0	1	1	0	1	7
ADRBK1	1	1	1	1	0	0	1	0	1	1	7
ESCO2	1	1	1	1	0	0	1	1	0	1	7
RLBP1L1	1	1	1	1	0	0	1	1	0	1	7
DARS	1	1	1	1	0	0	1	0	1	1	7
DYNC1LI2	1	1	1	1	1	0	1	0	0	1	7
CREG2	1	1	1	1	0	0	1	1	0	1	7

EN1	1	1	1	1	1	0	1	0	0	1	7
EPHA4	1	1	0	1	1	1	1	0	0	1	7
CLN8	1	1	1	1	0	0	1	1	0	1	7
EPS8	1	1	0	1	1	0	1	0	1	1	7
BPTF	1	1	0	1	1	1	1	0	0	1	7
ARL5B	1	1	1	1	1	0	1	0	0	1	7
JAZF1	1	1	0	1	1	1	1	0	0	1	7
ALDH9A1	1	1	1	1	0	0	1	1	0	1	7
RAB11FIP2	1	1	0	1	1	1	1	0	0	1	7
WDR37	1	1	0	1	1	1	1	0	0	1	7
MTMR15	1	1	1	1	0	0	1	1	0	1	7
USP33	1	1	1	1	1	0	1	0	0	1	7
ENDOD1	1	1	1	1	0	0	1	1	0	1	7
GPD1L	1	1	1	1	1	0	1	0	0	1	7
METAP1	1	1	1	1	0	0	1	0	1	1	7
TBC1D1	1	1	1	1	1	0	1	0	0	1	7
SIN3B	1	1	0	1	1	1	1	0	0	1	7
DNAJC13	1	1	1	1	1	0	1	0	0	1	7
PHF15	1	1	0	1	1	1	1	0	0	1	7
KIAA0999	1	1	0	1	1	1	1	0	0	1	7
PHF3	1	1	1	1	1	0	1	0	0	1	7
CBX7	1	1	1	1	1	0	1	0	0	1	7
ZFYVE26	1	1	1	1	0	0	1	0	1	1	7
TMEM131	1	1	1	1	0	0	1	0	1	1	7
ATP6V1C2	1	1	1	1	0	0	1	1	0	1	7
LYCAT	1	0	1	1	1	1	1	0	0	1	7
CCDC75	1	1	1	1	0	0	1	0	1	1	7
NAALADL2	1	1	1	1	1	0	1	0	0	1	7
ABI3BP	1	1	1	1	1	0	1	0	0	1	7
AHCTF1	1	1	1	1	0	0	1	0	1	1	7
CNTNAP2	1	1	0	1	1	1	1	0	0	1	7
WSB1	1	1	0	1	1	0	1	0	1	1	7
LRRC32	1	1	1	1	1	0	1	0	0	1	7
ARL5A	1	1	1	1	1	0	1	0	0	1	7
GATM	1	1	1	1	1	0	1	0	0	1	7
GREM1	1	1	1	1	1	0	1	0	0	1	7
B4GALT1	1	1	1	1	1	0	1	0	0	1	7
RABGEF1	1	1	1	1	1	0	1	0	0	1	7
ZNF615	1	1	1	1	1	0	1	0	0	1	7
GRIA2	1	1	0	1	1	1	1	0	0	1	7
GRIK2	1	1	0	1	1	1	1	0	0	1	7

SLC25A4	1	1	1	1	0	0	1	0	1	1	7
SENP1	1	1	1	1	1	0	1	0	0	1	7
SCHIP1	1	1	0	1	1	1	1	0	0	1	7
HMGB2	1	0	1	1	0	0	1	1	1	1	7
HOXB5	1	1	0	1	1	0	1	0	1	1	7
HOXC8	1	1	1	1	1	0	1	0	0	1	7
CYR61	1	1	1	1	1	0	1	0	0	1	7
IL1A	1	1	1	1	1	0	1	0	0	1	7
ITGB8	1	1	1	1	1	0	1	0	0	1	7
ZC3H6	1	1	1	1	1	0	1	0	0	1	7
RANBP5	1	1	1	1	0	0	1	1	0	1	7
LBR	1	1	1	1	1	0	1	0	0	1	7
LPP	1	1	1	1	1	0	1	0	0	1	7
MAP1A	1	1	0	1	1	1	1	0	0	1	7
MARK1	1	1	1	1	0	0	1	0	1	1	7
ADAM11	1	1	1	1	1	0	1	0	0	1	7
MKLN1	1	1	1	1	0	0	1	1	0	1	7
MAP3K10	1	1	0	1	1	0	1	0	1	1	7
ATP2B1	1	1	1	1	1	0	1	0	0	1	7
NTS	1	1	1	1	0	0	1	0	1	1	7
CRIM1	1	1	0	1	1	1	1	0	0	1	7
ZDHHC3	1	1	0	1	1	1	1	0	0	1	7
C5orf5	1	1	1	1	1	1	1	0	0	0	7
C14orf129	1	1	1	1	0	0	1	1	0	1	7
ENPP1	1	1	1	1	0	0	1	0	1	1	7
NLK	1	1	0	1	1	1	1	0	0	1	7
SLC26A4	1	1	1	1	0	0	1	1	0	1	7
PEX13	1	1	1	1	0	0	1	0	1	1	7
PKNOX1	1	1	1	1	1	0	1	0	0	1	7
PLAG1	1	0	1	1	1	1	1	0	0	1	7
PLS1	1	1	0	1	1	0	1	0	1	1	7
ZNF280D	1	1	0	1	1	0	1	0	1	1	7
FLJ20160	1	1	1	1	1	0	1	0	0	1	7
SEMA4C	1	1	0	1	1	0	1	1	0	1	7
FAM70A	1	1	1	1	0	0	1	1	0	1	7
C8orf32	1	1	1	1	0	0	1	1	0	1	7
TMEM16A	1	1	1	1	1	0	1	0	0	1	7
PPP3R1	0	1	1	1	1	1	1	0	0	1	7
PNRC2	1	1	1	1	1	0	1	0	0	1	7
RBM22	1	1	0	1	1	0	1	0	1	1	7
PCDHAC2	0	1	1	1	1	1	1	0	0	1	7

PCDHAC1	0	1	1	1	1	1	1	0	0	1	7
PCDHA10	0	1	1	1	1	1	1	0	0	1	7
PCDHA5	0	1	1	1	1	1	1	0	0	1	7
PCDHA2	0	1	1	1	1	1	1	0	0	1	7
INPP5E	1	1	1	1	1	0	1	0	0	1	7
PCNP	1	1	1	1	1	0	1	0	0	1	7
TBC1D14	1	1	1	1	0	0	1	1	0	1	7
ARRDC3	1	1	0	1	1	1	1	0	0	1	7
SEMA4G	1	1	1	1	1	0	1	0	0	1	7
DMRT3	1	1	0	1	0	0	1	1	1	1	7
RAP2A	1	1	1	1	0	0	1	1	0	1	7
RBBP7	1	1	1	1	1	0	1	0	0	1	7
BACH2	1	1	0	1	1	1	1	0	0	1	7
RPE65	1	1	1	1	0	0	1	0	1	1	7
RPS6KB1	1	1	1	1	0	0	1	1	0	1	7
CLIP1	1	1	1	1	1	0	1	0	0	1	7
ATXN1	1	0	1	1	1	1	1	0	0	1	7
FNDC3B	1	1	1	1	1	0	1	0	0	1	7
DEPDC6	1	1	1	1	0	0	1	1	0	1	7
TMEM135	1	1	1	1	0	0	1	1	0	1	7
SLC3A1	1	1	1	1	0	0	1	0	1	1	7
CAPRIN2	1	1	1	1	0	0	1	0	1	1	7
MTMR9	1	1	1	1	0	0	1	1	0	1	7
SON	0	1	0	1	1	1	1	1	1	0	7
ZFP36L1	0	1	1	1	1	1	1	0	0	1	7
UBE2B	1	1	1	1	1	0	1	0	0	1	7
UBP1	1	0	1	1	1	1	1	0	0	1	7
ZIC1	1	0	0	1	1	1	1	1	0	1	7
DERL1	1	1	1	1	1	0	1	0	0	1	7
SMC6	1	1	0	1	0	0	1	1	1	1	7
LIN28	1	1	1	1	1	0	1	0	0	1	7
CALM1	1	1	1	1	0	0	1	1	0	1	7
THOC7	1	1	1	1	0	0	1	0	1	1	7
CAMK2G	1	1	0	1	1	1	1	0	0	1	7
SPRY4	1	0	1	1	1	1	1	0	0	1	7
SNN	1	1	0	1	1	1	1	0	0	1	7
FZD4	1	1	0	1	1	0	1	1	0	1	7
C11orf56	1	1	1	1	1	0	1	0	0	1	7
MEX3B	1	1	0	1	1	1	1	0	0	1	7
CARD11	1	1	0	1	1	0	1	0	1	1	7
MEGF10	1	1	1	1	0	0	1	1	0	1	7

CDC42BPA	1	1	1	1	1	0	1	0	0	1	7
ADO	1	1	1	1	1	0	1	0	0	1	7
FAM73B	1	1	0	1	1	0	1	1	0	1	7
BHLHB2	1	1	1	1	1	0	1	0	0	1	7
EED	1	1	1	1	1	0	1	0	0	1	7
PER2	1	1	0	1	1	0	1	1	0	1	7
PHOX2B	1	1	0	1	1	1	1	0	0	1	7
LONRF1	1	1	1	1	1	0	1	0	0	1	7
YTHDC1	1	1	1	1	0	0	1	1	0	1	7
CD4	1	1	1	1	1	0	1	0	0	1	7
LMBRD2	1	1	1	1	0	0	1	0	1	1	7
DLGAP2	1	1	1	1	0	0	1	1	0	1	7
AKAP6	1	1	1	1	1	0	1	0	0	1	7
ATG5	1	1	1	1	1	0	1	0	0	1	7
ENTPD6	1	1	1	1	0	0	1	1	0	1	7
CLOCK	1	1	0	1	1	1	1	1	0	0	7
GDA	1	1	1	1	0	0	1	1	0	1	7
SEC24C	1	0	1	1	1	1	1	0	0	1	7
DAZAP2	1	0	1	1	1	0	1	0	1	1	7
TSC22D2	1	1	1	1	1	0	1	0	0	1	7
MELK	1	1	1	1	0	0	1	0	1	1	7
ZC3H11A	1	1	0	1	0	0	1	1	1	1	7
LPPR4	1	1	0	1	1	1	1	0	0	1	7
KIAA0196	1	1	1	1	0	0	1	0	1	1	7
ARNT2	1	1	0	1	1	1	1	0	0	1	7
E2F7	1	1	1	0	1	1	1	0	0	1	7
C3orf59	1	1	1	0	1	1	1	0	0	1	7
FLJ38973	1	1	1	0	1	0	1	1	0	1	7
PLCL2	1	1	0	0	1	1	1	0	1	1	7
INPP5A	1	1	1	0	1	1	1	0	0	1	7
KPNB1	1	1	1	0	1	1	1	0	0	1	7
NPC1	1	1	0	0	1	0	1	1	1	1	7
PAM	1	1	1	0	1	1	1	0	0	1	7
ST8SIA4	1	1	1	0	1	1	1	0	0	1	7
ATRN	1	1	1	0	1	0	1	1	0	1	7
CDH13	1	1	0	1	1	1	0	0	0	1	6
IGF2BP2	1	1	0	1	1	1	0	0	0	1	6
CUGBP2	1	1	0	1	1	1	0	0	0	1	6
ADCY1	1	1	0	1	1	1	0	0	0	1	6
TCERG1	1	1	0	1	1	1	0	0	0	1	6
ADAMTS6	1	1	0	1	1	1	0	0	0	1	6

SLITRK1	1	1	0	1	1	1	0	0	0	1	6
SSX2IP	1	1	0	1	1	1	0	0	0	1	6
CNR1	1	1	0	1	1	1	0	0	0	1	6
CPEB2	1	1	0	1	1	1	0	0	0	1	6
ADM	1	1	0	1	1	1	0	0	0	1	6
CREB1	1	1	0	1	1	1	0	0	0	1	6
RNF145	1	1	0	1	1	1	0	0	0	1	6
ZNF800	1	1	0	1	1	1	0	0	0	1	6
ADAMTS18	1	1	0	1	1	1	0	0	0	1	6
DPYSL2	1	1	0	1	1	1	0	0	0	1	6
E2F5	1	1	0	1	1	1	0	0	0	1	6
EIF4A2	1	1	0	1	1	1	0	0	0	1	6
EN2	1	1	0	1	1	1	0	0	0	1	6
EPHA4	1	1	0	1	1	1	0	0	0	1	6
ETV6	1	1	0	1	1	1	0	0	0	1	6
EYA1	1	1	0	1	1	1	0	0	0	1	6
BPTF	1	1	0	1	1	1	0	0	0	1	6
JAZF1	1	1	0	1	1	1	0	0	0	1	6
C7orf41	1	1	0	1	1	1	0	0	0	1	6
RAB11FIP2	1	1	0	1	1	1	0	0	0	1	6
WDR37	1	1	0	1	1	1	0	0	0	1	6
BTBD3	1	1	0	1	1	1	0	0	0	1	6
HIC2	1	1	0	1	1	1	0	0	0	1	6
KANK1	1	1	0	1	1	1	0	0	0	1	6
SIN3B	1	1	0	1	1	1	0	0	0	1	6
PHF15	1	1	0	1	1	1	0	0	0	1	6
KIAA0999	1	1	0	1	1	1	0	0	0	1	6
SIRT1	1	1	0	1	1	1	0	0	0	1	6
FOS	1	1	0	1	1	1	0	0	0	1	6
LEMD3	1	1	0	1	1	1	0	0	0	1	6
BRD1	1	1	0	1	1	1	0	0	0	1	6
LYCAT	1	1	0	1	1	1	0	0	0	1	6
NIPBL	1	1	0	1	1	1	0	0	0	1	6
OSBPL3	1	1	0	1	1	1	0	0	0	1	6
SS18L1	1	1	0	1	1	1	0	0	0	1	6
CNTNAP2	1	1	0	1	1	1	0	0	0	1	6
EPC2	1	1	0	1	1	1	0	0	0	1	6
GAPVD1	1	1	0	1	1	1	0	0	0	1	6
GATA6	1	1	0	1	1	1	0	0	0	1	6
NR6A1	1	1	0	1	1	1	0	0	0	1	6
NPTN	1	1	0	1	1	1	0	0	0	1	6

FOXP1	1	1	0	1	1	1	0	0	0	1	6
GLS	1	1	0	1	1	1	0	0	0	1	6
GRIA2	1	1	0	1	1	1	0	0	0	1	6
GRIK2	1	1	0	1	1	1	0	0	0	1	6
GRIK2	1	1	0	1	1	1	0	0	0	1	6
KLF15	1	1	0	1	1	1	0	0	0	1	6
LRP12	1	1	0	1	1	1	0	0	0	1	6
SCHIP1	1	1	0	1	1	1	0	0	0	1	6
BAZ2B	1	1	0	1	1	1	0	0	0	1	6
HLF	1	1	0	1	1	1	0	0	0	1	6
HOXA11	1	1	0	1	1	1	0	0	0	1	6
ID4	1	1	0	1	1	1	0	0	0	1	6
JARID2	1	1	0	1	1	1	0	0	0	1	6
KRAS	1	1	0	1	1	1	0	0	0	1	6
KRAS	1	1	0	1	1	1	0	0	0	1	6
LIN28B	1	1	0	1	1	1	0	0	0	1	6
LMO1	1	1	0	1	1	1	0	0	0	1	6
MAP1A	1	1	0	1	1	1	0	0	0	1	6
MAP1B	1	1	0	1	1	1	0	0	0	1	6
MAP3K3	1	1	0	1	1	1	0	0	0	1	6
NOVA1	1	1	0	1	1	1	0	0	0	1	6
ATP2B2	1	1	0	1	1	1	0	0	0	1	6
PBX3	1	1	0	1	1	1	0	0	0	1	6
PHF20L1	1	1	0	1	1	1	0	0	0	1	6
CRIM1	1	1	0	1	1	1	0	0	0	1	6
ZDHHC3	1	1	0	1	1	1	0	0	0	1	6
PDGFRA	1	1	0	1	1	1	0	0	0	1	6
HECA	1	1	0	1	1	1	0	0	0	1	6
NLK	1	1	0	1	1	1	0	0	0	1	6
SLC38A2	1	1	0	1	1	1	0	0	0	1	6
INOC1	1	1	0	1	1	1	0	0	0	1	6
AFTPH	1	1	0	1	1	1	0	0	0	1	6
PPP1CB	1	1	0	1	1	1	0	0	0	1	6
PPP2R2C	1	1	0	1	1	1	0	0	0	1	6
PI4K2B	1	1	0	1	1	1	0	0	0	1	6
CHD7	1	1	0	1	1	1	0	0	0	1	6
PRKCD	1	1	0	1	1	1	0	0	0	1	6
PRKCE	1	1	0	1	1	1	0	0	0	1	6
LMO3	1	1	0	1	1	1	0	0	0	1	6
CTTNBP2NL	1	1	0	1	1	1	0	0	0	1	6
PCDHA6	1	1	0	1	1	1	0	0	0	1	6

PCDHA6	1	1	0	1	1	1	0	0	0	1	6
TM9SF3	1	1	0	1	1	1	0	0	0	1	6
ARRDC3	1	1	0	1	1	1	0	0	0	1	6
LRRN1	1	1	0	1	1	1	0	0	0	1	6
BAI3	1	1	0	1	1	1	0	0	0	1	6
RAD21	1	1	0	1	1	1	0	0	0	1	6
RLF	1	1	0	1	1	1	0	0	0	1	6
BCL6	1	1	0	1	1	1	0	0	0	1	6
BACH2	1	1	0	1	1	1	0	0	0	1	6
SEL1L	1	1	0	1	1	1	0	0	0	1	6
MPP5	1	1	0	1	1	1	0	0	0	1	6
SOX5	1	1	0	1	1	1	0	0	0	1	6
TIMP3	1	1	0	1	1	1	0	0	0	1	6
YWHAG	1	1	0	1	1	1	0	0	0	1	6
ZIC2	1	1	0	1	1	1	0	0	0	1	6
ZIC3	1	1	0	1	1	1	0	0	0	1	6
C17orf39	1	1	0	1	1	1	0	0	0	1	6
ARSJ	1	1	0	1	1	1	0	0	0	1	6
NR4A3	1	1	0	1	1	1	0	0	0	1	6
CHD9	1	1	0	1	1	1	0	0	0	1	6
NAT13	1	1	0	1	1	1	0	0	0	1	6
CPEB4	1	1	0	1	1	1	0	0	0	1	6
ANKRD13C	1	1	0	1	1	1	0	0	0	1	6
C6orf62	1	1	0	1	1	1	0	0	0	1	6
CAMK2G	1	1	0	1	1	1	0	0	0	1	6
SNN	1	1	0	1	1	1	0	0	0	1	6
MEX3B	1	1	0	1	1	1	0	0	0	1	6
CUL3	1	1	0	1	1	1	0	0	0	1	6
PIK3R3	1	1	0	1	1	1	0	0	0	1	6
DOCK7	1	1	0	1	1	1	0	0	0	1	6
RUNX1	1	1	0	1	1	1	0	0	0	1	6
IRS2	1	1	0	1	1	1	0	0	0	1	6
CBLB	1	1	0	1	1	1	0	0	0	1	6
PCAF	1	1	0	1	1	1	0	0	0	1	6
PHOX2B	1	1	0	1	1	1	0	0	0	1	6
ACVR2A	1	1	0	1	1	1	0	0	0	1	6
DCLK1	1	1	0	1	1	1	0	0	0	1	6
NRXN1	1	1	0	1	1	1	0	0	0	1	6
NMT2	1	1	0	1	1	1	0	0	0	1	6
CDYL	1	1	0	1	1	1	0	0	0	1	6
AKAP7	1	1	0	1	1	1	0	0	0	1	6

TBPL1	1	1	0	1	1	1	0	0	0	1	6
NPEPPS	1	1	0	1	1	1	0	0	0	1	6
SEC24C	1	1	0	1	1	1	0	0	0	1	6
TOX	1	1	0	1	1	1	0	0	0	1	6
LRBA	1	1	0	1	1	1	0	0	0	1	6
LPPR4	1	1	0	1	1	1	0	0	0	1	6
G3BP2	1	1	0	1	1	1	0	0	0	1	6
ARNT2	1	1	0	1	1	1	0	0	0	1	6
CDH2	1	1	0	1	1	1	1	0	0	0	6
AKT3	1	1	0	1	1	0	1	0	0	1	6
ABI1	1	0	1	1	0	0	1	0	1	1	6
ZBTB33	1	1	0	1	0	0	1	1	0	1	6
BCL2L11	1	1	0	1	1	0	1	0	0	1	6
SH2B3	1	1	1	1	0	0	1	0	0	1	6
CLEC3A	1	1	1	1	0	0	1	0	0	1	6
FAM13A1	1	1	0	1	0	0	1	1	0	1	6
MBNL2	1	1	0	1	1	0	1	0	0	1	6
CALCRL	1	1	1	1	0	0	1	0	0	1	6
TRIM13	1	0	0	1	1	1	1	1	0	0	6
CDK8	1	1	0	1	0	0	1	0	1	1	6
CDKN1B	1	1	0	1	0	0	1	0	1	1	6
PRSS16	1	1	1	1	0	0	1	0	0	1	6
PIAS3	1	1	0	1	1	0	1	0	0	1	6
TIMM17A	1	1	1	1	0	0	1	0	0	1	6
SLC9A6	1	1	1	1	0	0	1	0	0	1	6
ENOX2	1	1	0	1	0	0	1	0	1	1	6
SEMA3C	1	1	1	1	0	0	1	0	0	1	6
NEBL	1	1	1	1	0	0	1	0	0	1	6
PROCR	1	1	1	1	0	0	1	0	0	1	6
SLC19A2	1	1	1	1	0	0	1	0	0	1	6
TRIM3	1	0	0	1	0	0	1	1	1	1	6
POLR3G	1	1	1	1	0	0	1	0	0	1	6
EXOC5	1	1	1	1	0	0	1	0	0	1	6
CUGBP2	1	1	0	1	1	1	0	0	0	1	6
FUT9	1	1	1	1	0	0	1	0	0	1	6
CETN3	1	1	1	1	0	0	1	0	0	1	6
POLQ	1	1	1	1	0	0	1	0	0	1	6
SIX2	1	1	0	1	1	0	1	0	0	1	6
ADAM28	1	1	1	1	0	0	1	0	0	1	6
GPR83	1	1	1	1	0	0	1	0	0	1	6
PPARGC1A	1	1	0	1	1	1	1	0	0	0	6

MALT1	1	1	0	1	0	0	1	1	0	1	6
SPIN1	1	1	1	1	0	0	1	0	0	1	6
PRDX3	1	1	1	1	0	0	1	0	0	1	6
RAB40B	1	1	1	1	0	0	1	0	0	1	6
KIF2C	1	1	0	1	0	0	1	0	1	1	6
NUDT21	1	1	1	1	0	0	1	0	0	1	6
RAPGEF4	1	1	1	1	0	0	1	0	0	1	6
ADAMTS5	1	1	1	1	0	0	1	0	0	1	6
PRDM4	1	1	1	1	0	0	1	0	0	1	6
KIF3A	1	1	1	1	0	0	1	0	0	1	6
BAZ2A	1	1	0	1	1	0	1	0	0	1	6
ZNF277	1	1	1	1	0	0	1	0	0	1	6
DDX20	1	1	1	1	0	0	1	0	0	1	6
CA5B	1	1	1	1	0	0	1	0	0	1	6
C6orf117	1	1	0	1	0	0	1	1	0	1	6
PDAP1	1	1	1	1	0	0	1	0	0	1	6
ERMAP	1	0	1	1	0	0	1	1	0	1	6
SLC25A25	1	1	1	1	0	0	1	0	0	1	6
FMNL2	1	1	1	1	0	0	1	0	0	1	6
OSBPL11	1	1	0	1	0	0	1	0	1	1	6
ADCY9	1	1	0	1	1	0	1	0	0	1	6
RASGRP4	1	1	0	1	0	0	1	0	1	1	6
C12orf56	1	1	0	1	0	0	1	0	1	1	6
TADA1L	1	1	1	1	0	0	1	0	0	1	6
MIA2	1	1	1	1	0	0	1	0	0	1	6
C10orf104	1	1	1	1	0	0	1	0	0	1	6
TPP1	1	1	0	1	0	0	1	1	0	1	6
C14orf28	1	1	1	1	0	0	1	0	0	1	6
NIPA1	1	1	0	1	0	0	1	1	0	1	6
WHDC1	1	1	1	1	0	0	1	0	0	1	6
ZNF491	1	1	0	1	0	0	1	1	0	1	6
ZNF440	1	1	1	1	0	0	1	0	0	1	6
SHE	1	1	1	1	0	0	1	0	0	1	6
C1orf96	1	1	1	1	0	0	1	0	0	1	6
C1orf161	1	1	1	1	0	0	1	0	0	1	6
UHMK1	1	1	0	1	0	0	1	1	0	1	6
AP1S3	1	1	1	1	0	0	1	0	0	1	6
MDH1B	1	1	1	1	0	0	1	0	0	1	6
COL19A1	1	1	1	1	0	0	1	0	0	1	6
KCNH8	1	1	1	1	0	0	1	0	0	1	6
DCBLD2	1	1	1	1	0	0	1	0	0	1	6

TMEM207	1	1	1	1	0	0	1	0	0	1	6
SYNPR	1	0	1	1	1	0	1	0	0	1	6
MAP3K8	1	1	1	1	0	0	1	0	0	1	6
DNAJC21	1	0	1	1	1	0	1	0	0	1	6
WDR36	1	1	1	1	0	0	1	0	0	1	6
MTPN	1	1	0	1	1	0	1	0	0	1	6
CPOX	1	1	1	1	0	0	1	0	0	1	6
CREBBP	1	1	0	1	1	0	1	0	0	1	6
PABPC5	1	1	1	1	0	0	1	0	0	1	6
MPP7	1	1	1	1	0	0	1	0	0	1	6
VTI1A	1	1	1	1	0	0	1	0	0	1	6
XRRA1	1	1	1	1	0	0	1	0	0	1	6
CSNK2A2	1	1	0	1	0	0	1	0	1	1	6
CCDC42	1	1	0	1	0	0	1	0	1	1	6
CTGF	1	1	0	1	0	0	1	0	1	1	6
CTNNA1	1	1	1	1	0	0	1	0	0	1	6
CCT8L2	1	1	1	1	0	0	1	0	0	1	6
CCDC117	1	1	1	1	0	0	1	0	0	1	6
TTC14	1	1	0	1	0	0	1	0	1	1	6
CCDC100	1	1	1	1	0	0	1	0	0	1	6
LOC153364	1	1	1	1	0	0	1	0	0	1	6
CNKSR3	1	1	1	1	0	0	1	0	0	1	6
FLJ31818	1	1	0	1	0	0	1	1	0	1	6
CAMSAP1	1	1	0	1	1	0	1	0	0	1	6
SLC5A8	1	1	1	1	0	0	1	0	0	1	6
DGKH	1	1	1	1	0	0	1	0	0	1	6
EXDL1	1	1	1	1	0	0	1	0	0	1	6
ZNF781	1	1	1	1	0	0	1	0	0	1	6
DCN	1	0	1	1	0	0	1	0	1	1	6
TOR1AIP2	1	1	1	1	0	0	1	0	0	1	6
LONRF2	1	1	1	1	0	0	1	0	0	1	6
DDX3X	1	1	1	1	0	0	1	0	0	1	6
AES	1	1	0	1	0	0	1	1	0	1	6
RASSF6	1	1	1	1	0	0	1	0	0	1	6
MIER3	1	1	1	1	0	0	1	0	0	1	6
TMEM64	1	1	1	1	0	0	1	0	0	1	6
OLFML2A	1	1	0	1	0	0	1	1	0	1	6
DLX1	1	1	0	1	1	1	1	0	0	0	6
DSC3	1	1	1	1	0	0	1	0	0	1	6
EDG1	1	1	1	1	0	0	1	0	0	1	6
EEF1A1	1	1	0	1	1	1	1	0	0	0	6

HIGD2A	1	1	0	1	0	0	1	1	0	1	6
MEGF9	1	1	1	1	0	0	1	0	0	1	6
EGR3	1	1	0	1	1	0	1	0	0	1	6
ELAVL2	1	1	1	1	0	0	1	0	0	1	6
C19orf59	1	1	0	1	0	0	1	1	0	1	6
FBXO45	1	1	1	1	0	0	1	0	0	1	6
C5orf29	1	1	1	1	0	0	1	0	0	1	6
LASS3	1	1	1	1	0	0	1	0	0	1	6
EREG	1	1	1	1	0	0	1	0	0	1	6
ETF1	1	1	0	1	1	0	1	0	0	1	6
EYA1	1	0	0	1	1	1	1	0	0	1	6
EYA1	1	1	0	1	1	1	0	0	0	1	6
F2R	1	1	1	1	0	0	1	0	0	1	6
F5	1	1	1	1	0	0	1	0	0	1	6
F11	1	1	1	1	0	0	1	0	0	1	6
PLAC1L	1	1	1	1	0	0	1	0	0	1	6
C10orf38	1	1	0	1	0	0	1	0	1	1	6
CPNE2	1	1	1	1	0	0	1	0	0	1	6
C6orf199	1	1	1	1	0	0	1	0	0	1	6
C6orf89	1	1	1	1	0	0	1	0	0	1	6
RNF182	0	1	1	1	1	0	1	0	0	1	6
TWISTNB	1	1	1	1	0	0	1	0	0	1	6
FOXK1	1	1	1	1	0	0	1	0	0	1	6
ZNRF2	1	1	1	1	0	0	1	0	0	1	6
TFEC	1	1	1	1	0	0	1	0	0	1	6
PHLDA1	1	1	0	1	1	0	1	0	0	1	6
MTF2	1	1	1	1	0	0	1	0	0	1	6
CARD8	1	1	1	1	0	0	1	0	0	1	6
MYH15	1	1	1	1	0	0	1	0	0	1	6
WDFY3	1	1	1	1	0	0	1	0	0	1	6
DAAM1	1	1	0	1	0	0	1	0	1	1	6
DOPEY1	1	1	0	1	1	0	1	0	0	1	6
PHLPPL	1	1	1	1	0	0	1	0	0	1	6
ARHGAP26	1	1	1	1	0	0	1	0	0	1	6
CAMTA2	1	1	0	1	0	0	1	0	1	1	6
EPB41L3	1	1	0	1	0	0	1	0	1	1	6
RTF1	1	1	0	1	1	0	1	0	0	1	6
RCOR1	1	1	1	1	0	0	1	0	0	1	6
KANK1	1	1	0	1	1	1	0	0	0	1	6
KIAA0182	1	1	0	1	1	0	1	0	0	1	6
BAT2D1	1	1	1	1	0	0	1	0	0	1	6

VPS13A	1	1	1	1	0	0	1	0	0	1	6
TSPYL4	1	1	1	1	0	0	1	0	0	1	6
KIAA0664	1	1	0	1	0	0	1	0	1	1	6
ATMIN	1	1	1	1	0	0	1	0	0	1	6
WSCD1	1	1	1	1	0	0	1	0	0	1	6
DMXL2	1	1	1	1	0	0	1	0	0	1	6
DPY19L1	1	1	1	1	0	0	1	0	0	1	6
AFF2	1	1	1	1	0	0	1	0	0	1	6
FNBP4	1	1	1	1	0	0	1	0	0	1	6
NPTXR	0	1	1	1	1	0	1	0	0	1	6
HEY2	1	1	1	1	0	0	1	0	0	1	6
MORC3	1	1	1	1	0	0	1	0	0	1	6
CENTB2	1	1	0	1	1	0	1	0	0	1	6
ARL2BP	1	1	1	1	0	0	1	0	0	1	6
CORO1C	1	1	0	1	0	0	1	1	0	1	6
MKRN1	1	1	0	1	0	0	1	0	1	1	6
C15orf2	1	1	1	1	0	0	1	0	0	1	6
PITPNB	1	1	1	1	0	0	1	0	0	1	6
FUT1	1	1	1	1	0	0	1	0	0	1	6
ZNF396	1	1	1	1	0	0	1	0	0	1	6
LYCAT	1	1	0	1	1	1	0	0	0	1	6
RNF144B	1	1	0	1	0	0	1	1	0	1	6
GABRA4	1	1	1	1	0	0	1	0	0	1	6
C3orf43	1	1	1	1	0	0	1	0	0	1	6
TMEM196	1	1	1	1	0	0	1	0	0	1	6
ST6GALNAC3	1	1	1	1	0	0	1	0	0	1	6
GABRG1	1	1	0	1	0	0	1	1	0	1	6
MAP3K7IP3	1	1	0	1	1	0	1	0	0	1	6
SVIP	1	1	1	1	0	0	1	0	0	1	6
NIPBL	1	1	0	1	1	1	0	0	0	1	6
DKFZP564O0823	1	1	1	1	0	0	1	0	0	1	6
GALNT1	1	1	0	1	1	0	1	0	0	1	6
SAMHD1	1	1	1	1	0	0	1	0	0	1	6
GPR124	1	1	0	1	1	1	1	0	0	0	6
CHMP2B	1	1	1	1	0	0	1	0	0	1	6
ZZZ3	1	1	0	1	0	0	1	0	1	1	6
ERC2	1	1	1	1	0	0	1	0	0	1	6
PTPN22	1	1	1	1	0	0	1	0	0	1	6
FBXL3	1	1	1	1	0	0	1	0	0	1	6
PLDN	1	1	1	1	0	0	1	0	0	1	6

SACS	1	1	0	1	1	0	1	0	0	1	6
EHF	1	1	1	1	0	0	1	0	0	1	6
LATS2	1	1	0	1	0	0	1	0	1	1	6
MSTN	1	1	0	1	0	0	1	0	1	1	6
NUFIP1	1	1	1	1	0	0	1	0	0	1	6
ACAD8	1	1	0	1	0	0	1	1	0	1	6
GHITM	1	1	1	1	0	0	1	0	0	1	6
TAF5L	1	1	1	1	0	0	1	0	0	1	6
ASAHL	1	1	1	1	0	0	1	0	0	1	6
OXGR1	1	1	1	1	0	0	1	0	0	1	6
COQ2	1	1	1	1	0	0	1	0	0	1	6
ARFIP1	1	1	0	1	0	0	1	0	1	1	6
BBS9	1	1	1	1	0	0	1	0	0	1	6
ZNF544	1	1	1	1	0	0	1	0	0	1	6
GLRX	1	1	1	1	0	0	1	0	0	1	6
GNA12	1	1	1	1	0	0	1	0	0	1	6
GOLGA1	1	1	0	1	1	0	1	0	0	1	6
GP5	1	1	1	1	0	0	1	0	0	1	6
GPR137C	1	1	1	1	0	0	1	0	0	1	6
PRTG	1	1	1	1	0	0	1	0	0	1	6
ZNF776	1	1	0	1	0	0	1	1	0	1	6
ANGPT2	1	1	0	1	1	0	1	0	0	1	6
GPRIN3	1	1	1	1	0	0	1	0	0	1	6
C5orf36	1	1	1	1	0	0	1	0	0	1	6
TREML4	1	1	1	1	0	0	1	0	0	1	6
EFHA2	1	1	1	1	0	0	1	0	0	1	6
OSTM1	1	1	0	1	0	0	1	1	0	1	6
TMEM14A	1	1	1	1	0	0	1	0	0	1	6
GRIK2	1	1	0	1	1	1	0	0	0	1	6
HSPC159	1	1	1	1	0	0	1	0	0	1	6
GRM5	0	0	1	1	1	1	1	0	0	1	6
CXCL2	1	1	1	1	0	0	1	0	0	1	6
GUCA1B	1	1	0	1	0	0	1	1	0	1	6
YPEL1	1	1	1	1	0	0	1	0	0	1	6
GYPA	1	1	1	1	0	0	1	0	0	1	6
SLC25A24	1	1	1	1	0	0	1	0	0	1	6
DMGDH	1	1	1	1	0	0	1	0	0	1	6
ANXA6	1	1	0	1	0	0	1	0	1	1	6
HK2	1	1	1	1	0	0	1	0	0	1	6
HOXB4	1	1	1	1	0	0	1	0	0	1	6
HOXD1	1	1	1	1	0	0	1	0	0	1	6

HOXD3	1	1	1	1	0	0	1	0	0	1	6
TMEM173	1	1	0	1	0	0	1	1	0	1	6
MYLK4	1	1	0	1	0	0	1	1	0	1	6
RSPO2	1	1	0	1	1	0	1	0	0	1	6
KIAA2022	1	1	1	1	0	0	1	0	0	1	6
GLDN	1	1	1	1	0	0	1	0	0	1	6
ZNF677	1	1	1	1	0	0	1	0	0	1	6
ICHTHYIN	1	1	1	1	0	0	1	0	0	1	6
HCN1	1	1	1	1	0	0	1	0	0	1	6
FAS	1	1	1	1	0	0	1	0	0	1	6
IL2	1	1	1	1	0	0	1	0	0	1	6
ILF3	1	1	1	1	0	0	1	0	0	1	6
AQP9	1	1	0	1	0	0	1	1	0	1	6
ITGA3	1	1	0	1	1	0	1	0	0	1	6
JAK2	1	1	0	1	0	0	1	0	1	1	6
C3orf62	1	1	1	1	0	0	1	0	0	1	6
KCNMA1	1	1	0	1	0	0	1	0	1	1	6
KIF5C	1	1	0	1	0	0	1	1	0	1	6
KRAS	1	1	0	1	1	1	0	0	0	1	6
LMAN1	1	1	1	1	0	0	1	0	0	1	6
LOC400120	1	1	0	1	0	0	1	1	0	1	6
ZBTB34	1	1	1	1	0	0	1	0	0	1	6
LTBP2	1	1	0	1	0	0	1	1	0	1	6
CAPRIN1	1	1	1	1	0	0	1	0	0	1	6
STS	1	1	1	1	0	0	1	0	0	1	6
MEIS2	1	0	0	1	1	1	1	0	1	0	6
MAP3K3	1	1	0	1	1	1	0	0	0	1	6
KITLG	1	1	1	1	0	0	1	0	0	1	6
MIP	1	1	1	1	0	0	1	0	0	1	6
ATXN3	1	1	1	1	0	0	1	0	0	1	6
AFF1	1	1	0	1	1	0	1	0	0	1	6
MMP14	1	1	0	1	1	0	1	0	0	1	6
CCDC88C	1	1	1	1	0	0	1	0	0	1	6
MUC7	1	1	1	1	0	0	1	0	0	1	6
MYH10	1	1	0	1	1	0	1	0	0	1	6
MYO1E	1	1	1	1	0	0	1	0	0	1	6
MYO6	1	1	0	1	0	0	1	0	1	1	6
PPP1R12B	0	1	1	1	1	0	1	0	0	1	6
ATM	1	1	1	1	0	0	1	0	0	1	6
NFYB	1	1	1	1	0	0	1	0	0	1	6
ATP1B2	1	1	1	1	0	0	1	0	0	1	6

CNOT2	1	1	1	1	0	0	1	0	0	1	6
NOTCH2	1	1	1	1	0	0	1	0	0	1	6
NRAS	1	1	1	1	0	0	1	0	0	1	6
LOC493869	1	1	1	1	0	0	1	0	0	1	6
TNFRSF11B	1	1	1	1	0	0	1	0	0	1	6
MINK1	1	1	0	1	1	0	1	0	0	1	6
SERPINE1	1	1	1	1	0	0	1	0	0	1	6
ITSN2	1	1	0	1	0	0	1	0	1	1	6
PAK2	1	1	0	1	0	0	1	1	0	1	6
PARK2	1	1	1	1	0	0	1	0	0	1	6
AK3	1	1	1	1	0	0	1	0	0	1	6
PAX9	1	1	1	1	0	0	1	0	0	1	6
RRP15	1	1	1	1	0	0	1	0	0	1	6
MRPS16	1	1	1	1	0	0	1	0	0	1	6
KLHL5	1	1	1	1	0	0	1	0	0	1	6
FAM82B	1	1	1	1	0	0	1	0	0	1	6
SS18L2	1	1	1	1	0	0	1	0	0	1	6
PCSK1	1	1	1	1	0	0	1	0	0	1	6
SLC25A37	1	1	1	1	0	0	1	0	0	1	6
MEX3C	1	1	0	1	1	0	1	0	0	1	6
SPG21	1	1	0	1	0	0	1	0	1	1	6
HOOK1	1	1	1	1	0	0	1	0	0	1	6
CDC40	1	1	1	1	0	0	1	0	0	1	6
WNT16	1	1	1	1	0	0	1	0	0	1	6
PRKAG2	1	1	0	1	0	0	1	0	1	1	6
YTHDF2	1	1	0	1	1	0	1	0	0	1	6
PDK1	1	1	1	1	0	0	1	0	0	1	6
MRPS23	1	1	0	1	0	0	1	1	0	1	6
ZFR	1	1	0	1	0	0	1	0	1	1	6
SELT	1	1	1	1	0	0	1	0	0	1	6
PFAS	1	1	0	1	0	0	1	0	1	1	6
PGR	1	1	1	1	0	0	1	0	0	1	6
SERPINB5	1	1	0	1	1	0	1	0	0	1	6
PLA2G4A	1	1	0	1	0	0	1	0	1	1	6
PLAU	1	1	1	1	0	0	1	0	0	1	6
BCL11A	1	1	1	1	0	0	1	0	0	1	6
PLD1	1	1	1	1	0	0	1	0	0	1	6
PMAIP1	1	1	1	1	0	0	1	0	0	1	6
CSNK1G1	1	1	0	1	1	0	1	0	0	1	6
BRWD1	1	1	1	1	0	0	1	0	0	1	6
GPR88	1	1	1	1	0	0	1	0	0	1	6

UBL3	1	1	1	1	0	0	1	0	0	1	6
DCUN1D1	1	1	0	1	1	0	1	0	0	1	6
KCNK10	1	1	0	1	1	0	1	0	0	1	6
POLA1	1	1	0	1	0	0	1	0	1	1	6
HAO1	1	1	1	1	0	0	1	0	0	1	6
SIAE	1	1	1	1	0	0	1	0	0	1	6
RIN2	1	1	1	1	0	0	1	0	0	1	6
KIAA1128	1	1	0	1	1	0	1	0	0	1	6
SMCR7L	1	1	0	1	0	0	1	1	0	1	6
RBM47	1	1	0	1	0	0	1	1	0	1	6
DHX29	1	1	1	1	0	0	1	0	0	1	6
MTMR12	1	1	1	1	0	0	1	0	0	1	6
EPB41L4B	1	1	0	1	1	0	1	0	0	1	6
RSBN1	1	1	0	1	1	0	1	0	0	1	6
OTUD4	1	1	1	1	0	0	1	0	0	1	6
ZRANB1	1	1	1	1	0	0	1	0	0	1	6
CNNM2	1	1	1	1	0	0	1	0	0	1	6
ZNF586	1	1	1	1	0	0	1	0	0	1	6
PPM1B	1	1	1	1	0	0	1	0	0	1	6
C1orf109	1	1	1	1	0	0	1	0	0	1	6
MOSC2	1	1	1	1	0	0	1	0	0	1	6
PPP1CB	1	1	0	1	1	1	0	0	0	1	6
HEATR3	1	1	1	1	0	0	1	0	0	1	6
PTCD3	1	1	0	1	0	0	1	1	0	1	6
PPP1R2	1	1	0	1	0	0	1	1	0	1	6
ATG16L1	1	1	0	1	0	0	1	1	0	1	6
AIM1L	1	1	1	1	0	0	1	0	0	1	6
PPP1R3C	1	1	1	1	0	0	1	0	0	1	6
SOBP	1	1	1	1	0	0	1	0	0	1	6
PPP1R3D	1	1	1	1	0	0	1	0	0	1	6
PLEKHJ1	1	1	0	1	1	0	1	0	0	1	6
FIGN	1	1	1	1	0	0	1	0	0	1	6
ARMC1	1	1	0	1	0	0	1	1	0	1	6
TMEM33	1	1	1	1	0	0	1	0	0	1	6
SHQ1	1	1	1	1	0	0	1	0	0	1	6
MSL2L1	1	1	0	1	1	0	1	0	0	1	6
C20orf12	1	1	1	1	0	0	1	0	0	1	6
PPP2R2C	1	0	0	1	1	1	1	0	0	1	6
PPP2R2C	1	1	0	1	1	1	0	0	0	1	6
CCDC25	1	1	1	1	0	0	1	0	0	1	6
ASXL2	1	1	0	1	0	0	1	1	0	1	6

PSPC1	0	1	1	1	0	0	1	0	1	1	6
ZNF654	1	1	1	1	0	0	1	0	0	1	6
C20orf29	1	1	1	1	0	0	1	0	0	1	6
LIN7C	1	1	0	1	1	0	1	0	0	1	6
STRBP	1	1	0	1	1	1	1	0	0	0	6
LAPTM4B	1	1	1	1	0	0	1	0	0	1	6
SLC22A15	1	1	1	1	0	0	1	0	0	1	6
ZNF823	1	1	1	1	0	0	1	0	0	1	6
DOCK10	1	1	1	1	0	0	1	0	0	1	6
RUFY2	1	1	1	1	0	0	1	0	0	1	6
CCAR1	1	1	1	1	0	0	1	0	0	1	6
AGK	1	1	1	1	0	0	1	0	0	1	6
TMEM34	1	1	1	1	0	0	1	0	0	1	6
EXOC2	1	1	1	1	0	0	1	0	0	1	6
PRKCA	1	1	0	1	0	0	1	1	0	1	6
PCID2	1	1	1	1	0	0	1	0	0	1	6
PRKCD	1	1	0	1	1	1	0	0	0	1	6
PAG1	1	1	1	1	0	0	1	0	0	1	6
TEX2	1	1	0	1	0	0	1	0	1	1	6
TMEM165	1	1	1	1	0	0	1	0	0	1	6
LMO3	1	1	0	1	1	1	0	0	0	1	6
MLL5	1	0	1	1	0	0	1	0	1	1	6
NKRF	1	1	0	1	0	0	1	0	1	1	6
MAPK1	1	1	1	1	0	0	1	0	0	1	6
PCDHA6	1	1	0	1	1	1	0	0	0	1	6
MOSPD1	1	1	1	1	0	0	1	0	0	1	6
RP5-1022P6.2	1	1	1	1	0	0	1	0	0	1	6
PSG9	1	1	1	1	0	0	1	0	0	1	6
RGMA	1	1	0	1	1	0	1	0	0	1	6
PRDM10	1	1	0	1	1	0	1	1	0	0	6
TULP4	1	1	0	1	1	0	1	0	0	1	6
CABC1	1	1	1	1	0	0	1	0	0	1	6
PARP11	1	1	1	1	0	0	1	0	0	1	6
KIAA1219	1	1	1	1	0	0	1	0	0	1	6
PELI1	1	1	0	1	1	1	1	0	0	0	6
ANKRD50	1	1	1	1	0	0	1	0	0	1	6
PTGER3	1	1	1	1	0	0	1	0	0	1	6
TMEM27	1	1	1	1	0	0	1	0	0	1	6
PTGS2	1	1	1	1	0	0	1	0	0	1	6
BIRC6	1	1	1	1	0	0	1	0	0	1	6
NLN	1	1	1	1	0	0	1	0	0	1	6

MTUS1	1	1	1	1	0	0	1	0	0	1	6
PCDH19	1	1	0	1	0	0	1	0	1	1	6
KLHDC5	1	1	1	1	0	0	1	0	0	1	6
IFT80	1	1	0	1	0	0	1	1	0	1	6
TMEM181	1	1	1	1	0	0	1	0	0	1	6
WDFY1	1	1	0	1	0	0	1	1	0	1	6
SLAIN2	1	1	1	1	0	0	1	0	0	1	6
KIAA1553	1	1	1	1	0	0	1	0	0	1	6
ZFP14	1	1	1	1	0	0	1	0	0	1	6
PTPRB	1	1	1	1	0	0	1	0	0	1	6
MLL3	1	1	1	1	0	0	1	0	0	1	6
SELK	1	1	1	1	0	0	1	0	0	1	6
RBM25	1	1	1	1	0	0	1	0	0	1	6
ACTA2	1	1	0	1	0	0	1	0	1	1	6
SENP2	1	1	0	1	1	0	1	0	0	1	6
GNB4	1	1	1	1	0	0	1	0	0	1	6
PRPH2	1	1	0	1	0	0	1	1	0	1	6
RFC1	1	1	1	1	0	0	1	0	0	1	6
BCL6	1	1	0	1	1	1	0	0	0	1	6
TGIF2	1	1	1	1	0	0	1	0	0	1	6
RNF2	1	1	0	1	1	0	1	0	0	1	6
MRPS35	1	1	1	1	0	0	1	0	0	1	6
BCL7A	1	1	0	1	1	1	1	0	0	0	6
SCOC	1	0	1	1	1	0	1	0	0	1	6
ROBO2	1	1	1	1	0	0	1	0	0	1	6
RPS6KA3	1	1	1	1	0	0	1	0	0	1	6
RYR3	1	1	1	1	0	0	1	0	0	1	6
SCD	1	1	1	1	0	0	1	0	0	1	6
CCL22	1	1	0	1	0	0	1	1	0	1	6
SH2D4A	1	1	1	1	0	0	1	0	0	1	6
SELE	1	1	0	1	0	0	1	1	0	1	6
RBM26	1	1	1	1	0	0	1	0	0	1	6
ZFYVE20	1	1	0	1	0	0	1	1	0	1	6
MAP2K4	1	1	1	1	0	0	1	0	0	1	6
PAPD5	1	1	1	1	0	0	1	0	0	1	6
XPO4	1	1	0	1	1	0	1	0	0	1	6
RGS18	1	1	1	1	0	0	1	0	0	1	6
TMEM168	1	1	0	1	0	0	1	1	0	1	6
SUDS3	1	1	1	1	0	0	1	0	0	1	6
C14orf135	1	1	1	1	0	0	1	0	0	1	6
ACBD3	1	1	0	1	0	0	1	0	1	1	6

TNS3	1	1	1	1	0	0	1	0	0	1	6
S100PBP	1	1	0	1	1	0	1	0	0	1	6
IPPK	1	1	0	1	0	0	1	1	0	1	6
C1orf149	1	1	0	1	1	0	1	0	0	1	6
REEP1	1	1	1	1	0	0	1	0	0	1	6
SLC2A3	1	1	0	1	1	0	1	0	0	1	6
SLC5A3	1	1	1	1	0	0	1	0	0	1	6
SLC7A2	1	1	1	1	0	0	1	0	0	1	6
SLC11A1	1	1	1	1	0	0	1	0	0	1	6
BMPR2	1	1	0	1	1	0	1	0	0	1	6
PLEKHA3	1	1	1	1	0	0	1	0	0	1	6
PHACTR4	1	1	1	1	0	0	1	0	0	1	6
TRAK2	1	1	0	1	1	0	1	0	0	1	6
SNAP25	1	1	0	1	0	0	1	0	1	1	6
SNAPC3	1	1	1	1	0	0	1	0	0	1	6
SOX5	1	1	0	1	1	1	0	0	0	1	6
SPOCK1	1	1	1	1	0	0	1	0	0	1	6
SPP1	1	1	1	1	0	0	1	0	0	1	6
SRPK2	1	0	1	1	0	0	1	0	1	1	6
SSR3	1	1	0	1	0	0	1	1	0	1	6
STCH	1	1	0	1	0	0	1	1	0	1	6
SULT1C2	1	1	1	1	0	0	1	0	0	1	6
TAF4	1	1	0	1	0	0	1	0	1	1	6
TBCD	1	1	1	1	0	0	1	0	0	1	6
TBL1X	1	1	1	1	0	0	1	0	0	1	6
TGFBR1	1	1	1	1	0	0	1	0	0	1	6
TLR4	1	1	1	1	0	0	1	0	0	1	6
TSPAN8	1	1	1	1	0	0	1	0	0	1	6
TMF1	1	1	1	1	0	0	1	0	0	1	6
TNFAIP1	1	1	1	1	0	0	1	0	0	1	6
TNFAIP6	1	1	1	1	0	0	1	0	0	1	6
NR2C2	1	1	1	1	0	0	1	0	0	1	6
TSG101	1	1	0	1	0	0	1	0	1	1	6
DNAJC7	1	1	0	1	0	0	1	0	1	1	6
TWIST1	1	1	0	1	1	1	1	0	0	0	6
TNFSF4	1	1	1	1	0	0	1	0	0	1	6
UBE2D1	1	1	1	1	0	0	1	0	0	1	6
VBP1	1	1	1	1	0	0	1	0	0	1	6
VIP	1	1	1	1	0	0	1	0	0	1	6
ZNF14	1	1	1	1	0	0	1	0	0	1	6
ZNF124	1	1	1	1	0	0	1	0	0	1	6

PCGF2	1	1	0	1	1	0	1	0	0	1	6
ZNF217	1	1	1	1	0	0	1	0	0	1	6
GCS1	1	1	0	1	0	0	1	0	1	1	6
C7orf24	1	1	1	1	0	0	1	0	0	1	6
APOO	1	1	0	1	0	0	1	0	1	1	6
CDC73	1	1	0	1	1	0	1	0	0	1	6
OGFRL1	1	1	1	1	0	0	1	0	0	1	6
SH3TC2	1	1	1	1	0	0	1	0	0	1	6
PPP1R3B	0	1	1	1	0	0	1	1	0	1	6
NARG2	1	1	1	1	0	0	1	0	0	1	6
STEAP4	1	1	1	1	0	0	1	0	0	1	6
NSUN7	1	1	1	1	0	0	1	0	0	1	6
TXNDC15	1	1	1	1	0	0	1	0	0	1	6
QSER1	1	1	1	1	0	0	1	0	0	1	6
SGK269	1	1	1	1	0	0	1	0	0	1	6
RPAP2	1	1	1	1	0	0	1	0	0	1	6
CALCR	1	1	1	1	0	0	1	0	0	1	6
TUSC3	1	1	0	1	0	0	1	0	1	1	6
C2orf54	1	1	1	1	0	0	1	0	0	1	6
PHC3	1	1	1	1	0	0	1	0	0	1	6
NR4A3	0	0	1	1	1	1	1	0	0	1	6
NR4A3	1	1	0	1	1	1	0	0	0	1	6
NARG1	1	1	0	1	1	0	1	0	0	1	6
MLLT10	1	0	1	1	0	0	1	0	1	1	6
SHOC2	1	1	0	1	0	0	1	1	0	1	6
SNIP	1	1	0	1	0	0	1	0	1	1	6
KIAA1715	1	1	1	1	0	0	1	0	0	1	6
SLC25A32	1	1	1	1	0	0	1	0	0	1	6
FAM117A	1	1	0	1	1	0	1	0	1	0	6
C1orf21	1	1	0	1	0	0	1	1	0	1	6
VANGL1	1	1	1	1	0	0	1	0	0	1	6
USP9X	1	1	1	1	0	0	1	0	0	1	6
USP9Y	1	1	1	1	0	0	1	0	0	1	6
TRRAP	1	1	0	1	0	0	1	0	1	1	6
PICALM	1	1	1	1	0	0	1	0	0	1	6
PCDH11Y	1	1	1	1	0	0	1	0	0	1	6
THAP2	1	1	1	1	0	0	1	0	0	1	6
NUDT12	1	1	1	1	0	0	1	0	0	1	6
SOX7	1	1	0	1	0	0	1	1	0	1	6
JAM3	1	1	1	1	0	0	1	0	0	1	6
SYT15	1	1	1	1	0	0	1	0	0	1	6

SLC10A7	1	1	1	1	0	0	1	0	0	1	6
USP42	1	1	1	1	0	0	1	0	0	1	6
BTBD10	1	1	0	1	0	0	1	0	1	1	6
ING5	1	1	0	1	0	0	1	1	0	1	6
CASP10	1	1	0	1	1	0	1	0	0	1	6
RECK	1	1	0	1	1	0	1	0	0	1	6
HOOK3	1	1	0	1	0	0	1	0	1	1	6
NSMAF	1	0	0	1	1	0	1	0	1	1	6
C15orf48	1	1	1	1	0	0	1	0	0	1	6
ZNF594	1	1	1	1	0	0	1	0	0	1	6
OGT	1	1	0	1	1	0	1	0	0	1	6
ZNF514	1	1	1	1	0	0	1	0	0	1	6
NFATC2IP	1	1	1	1	0	0	1	0	0	1	6
ZNF341	1	1	0	1	0	0	1	0	1	1	6
ZNF382	1	1	1	1	0	0	1	0	0	1	6
ALG10	1	1	0	1	0	0	1	1	0	1	6
ABHD13	1	1	1	1	0	0	1	0	0	1	6
LTV1	1	1	1	1	0	0	1	0	0	1	6
PPFIA1	1	1	1	1	0	0	1	0	0	1	6
GAS7	1	1	1	1	0	0	1	0	0	1	6
CBX4	1	1	1	1	0	0	1	0	0	1	6
API5	1	1	0	1	1	0	1	0	0	1	6
DCLK3	1	1	1	1	0	0	1	0	0	1	6
SSH2	1	1	0	1	0	0	1	1	0	1	6
CDC14B	1	1	1	1	0	0	1	0	0	1	6
PRPF18	1	1	0	1	0	0	1	0	1	1	6
KMO	1	1	0	1	0	0	1	0	1	1	6
PLA2G4C	1	1	1	1	0	0	1	0	0	1	6
RUNX1	1	0	0	1	1	1	1	0	0	1	6
RUNX1	1	1	0	1	1	1	0	0	0	1	6
USO1	1	1	1	1	0	0	1	0	0	1	6
TP63	1	1	1	1	0	0	1	0	0	1	6
CBFA2T3	1	1	0	1	1	0	1	0	0	1	6
PDE5A	1	1	1	1	0	0	1	0	0	1	6
TNKS	1	1	0	1	0	0	1	1	0	1	6
B3GALT1	1	1	0	1	0	0	1	0	1	1	6
PNPT1	1	1	1	1	0	0	1	0	0	1	6
RNMT	1	1	1	1	0	0	1	0	0	1	6
TNFRSF10B	1	1	1	1	0	0	1	0	0	1	6
SUCLG2	1	1	1	1	0	0	1	0	0	1	6
PER3	1	1	1	1	0	0	1	0	0	1	6

TIMELESS	1	1	1	1	0	0	1	0	0	1	6
WASL	1	1	1	1	0	0	1	0	0	1	6
FRMD7	1	1	1	1	0	0	1	0	0	1	6
UNC5A	1	1	0	1	0	0	1	0	1	1	6
RNF8	1	1	1	1	0	0	1	0	0	1	6
FAM105B	1	1	1	1	0	0	1	0	0	1	6
MAP7	1	1	0	1	0	0	1	0	1	1	6
ZNF700	1	1	1	1	0	0	1	0	0	1	6
ZNF439	1	1	1	1	0	0	1	0	0	1	6
CCDC126	1	1	0	1	0	0	1	1	0	1	6
CLDN8	1	1	1	1	0	0	1	0	0	1	6
DIRAS3	1	1	1	1	0	0	1	0	0	1	6
ZNF479	1	1	1	1	0	0	1	0	0	1	6
C12orf29	1	1	1	1	0	0	1	0	0	1	6
CD1E	1	1	1	1	0	0	1	0	0	1	6
DDX60L	1	1	1	1	0	0	1	0	0	1	6
ISX	1	1	0	1	0	0	1	1	0	1	6
ATPAF2	1	1	0	1	0	0	1	1	0	1	6
C14orf43	1	0	1	1	1	0	1	0	0	1	6
ARRDC4	1	1	1	1	0	0	1	0	0	1	6
RPS6KA5	1	1	0	1	0	0	1	1	1	0	6
TIFA	1	1	1	1	0	0	1	0	0	1	6
ADAMTSL1	1	1	1	1	0	0	1	0	0	1	6
ACVR2B	1	1	1	1	0	0	1	0	0	1	6
C5orf13	1	0	0	1	1	1	1	0	0	1	6
MAPK1IP1L	1	1	1	1	0	0	1	0	0	1	6
CACNA2D4	1	1	1	1	0	0	1	0	0	1	6
MGC21874	1	1	1	1	0	0	1	0	0	1	6
ARHGAP18	1	1	0	1	0	0	1	1	0	1	6
ARHGAP12	1	1	0	1	0	0	1	0	1	1	6
CDYL	1	1	0	1	1	1	0	0	0	1	6
CDYL	0	0	1	1	1	1	1	0	0	1	6
MED20	1	1	1	1	0	0	1	0	0	1	6
ONECUT2	1	1	1	1	0	0	1	0	0	1	6
SLC4A8	1	1	1	1	0	0	1	0	0	1	6
ADAMTS1	1	1	0	1	1	0	1	0	0	1	6
EEF1E1	1	1	0	1	0	0	1	0	1	1	6
BAG4	1	1	1	1	0	0	1	0	0	1	6
BAG2	1	1	1	1	0	0	1	0	0	1	6
CREB5	1	1	1	1	0	0	1	0	0	1	6
SEC24C	1	1	0	1	1	1	0	0	0	1	6

MTL5	1	1	0	1	0	0	1	1	0	1	6
GCC2	1	1	1	1	0	0	1	0	0	1	6
HS2ST1	1	1	0	1	0	0	1	0	1	1	6
WSCD2	1	1	0	1	0	0	1	1	0	1	6
CD69	1	1	1	1	0	0	1	0	0	1	6
ACYP1	1	1	1	1	0	0	1	0	0	1	6
KIAA0226	1	1	0	1	0	0	1	1	0	1	6
DOCK4	1	1	1	1	0	0	1	0	0	1	6
SLK	1	1	1	1	0	0	1	0	0	1	6
PHACTR2	1	1	1	1	0	0	1	0	0	1	6
KIAA0247	1	1	1	1	0	0	1	0	0	1	6
RAPGEF5	1	1	0	1	0	0	1	1	0	1	6
BCLAF1	1	1	0	1	1	0	1	0	0	1	6
ARHGEF17	1	1	0	1	0	0	1	0	1	1	6
TBC1D4	1	1	1	1	0	0	1	0	0	1	6
OSBPL2	1	1	1	1	0	0	1	0	0	1	6
LPGAT1	1	1	1	1	0	0	1	0	0	1	6
CDC25A	1	1	0	1	0	0	1	1	0	1	6
NR1D2	1	1	0	1	1	0	1	0	0	1	6
DUSP5	1	1	0	0	1	1	1	0	0	1	6
GOT2	1	1	0	0	0	0	1	1	1	1	6
FAM126B	1	1	0	0	1	1	1	0	0	1	6
LOC388272	1	1	1	0	1	0	1	0	0	1	6
PRKCD	1	0	1	0	1	1	1	0	0	1	6
SIPA1L2	1	1	1	0	0	0	1	0	1	1	6
PTPN9	1	1	1	0	1	0	1	0	0	1	6
PTBP2	1	1	1	0	0	0	1	0	1	1	6
AASDHPPT	1	1	1	0	0	0	1	1	0	1	6
PAPOLG	1	1	1	0	1	0	1	0	0	1	6
RAPH1	1	1	0	0	1	1	1	0	0	1	6
HSP90B1	1	1	1	0	1	0	1	0	0	1	6
PGAP1	1	1	1	0	0	0	1	1	0	1	6
FBXO11	1	1	0	0	1	1	1	0	0	1	6
RAB11A	1	1	1	0	1	0	1	0	0	1	6
C21orf66	1	1	1	0	0	0	1	0	1	1	6
PCDHA3	0	1	1	0	1	1	1	0	0	1	6
CDH2	1	1	0	1	1	1	0	0	0	0	5
AKT3	1	1	0	1	1	0	0	0	0	1	5
BCL2L11	1	1	0	1	1	0	0	0	0	1	5
TOM1L1	1	1	0	1	1	0	0	0	0	1	5
PDIA6	1	1	0	1	1	0	0	0	0	1	5

MBNL2	1	1	0	1	1	0	0	0	0	1	5
CTDSPL	1	0	0	1	1	1	0	0	0	1	5
ADARB1	1	1	0	1	1	0	0	0	0	1	5
PIAS3	1	1	0	1	1	0	0	0	0	1	5
CARM1	1	1	0	1	1	0	0	0	0	1	5
NCOA2	0	1	0	1	1	1	0	0	0	1	5
IPO8	1	1	0	1	1	0	0	0	0	1	5
AGPAT1	1	1	0	1	1	0	0	0	0	1	5
ARFGEF2	1	1	0	1	1	0	0	0	0	1	5
C1orf2	1	1	0	1	1	0	0	0	0	1	5
NFAT5	1	1	0	1	1	0	0	0	0	1	5
SIX2	1	1	0	1	1	0	0	0	0	1	5
PPARGC1A	1	1	0	1	1	1	0	0	0	0	5
ESM1	0	1	0	1	1	1	0	0	0	1	5
BAZ2A	1	1	0	1	1	0	0	0	0	1	5
KLHL2	1	0	0	1	1	1	0	0	0	1	5
TRIM9	1	1	0	1	1	0	0	0	0	1	5
SLC25A25	1	0	0	1	1	1	0	0	0	1	5
OSBPL8	1	1	0	1	1	0	0	0	0	1	5
ADCY9	1	1	0	1	1	0	0	0	0	1	5
C10orf78	1	1	0	1	1	0	0	0	0	1	5
MBOAT2	1	1	0	1	1	0	0	0	0	1	5
COL16A1	1	1	0	1	1	0	0	0	0	1	5
KLF6	0	1	0	1	1	1	0	0	0	1	5
CPEB2	1	0	0	1	1	1	0	0	0	1	5
ANKRD43	1	1	0	1	1	0	0	0	0	1	5
CPD	1	1	0	1	1	0	0	0	0	1	5
MTPN	1	1	0	1	1	0	0	0	0	1	5
CREB1	1	0	0	1	1	1	0	0	0	1	5
CREBBP	1	1	0	1	1	0	0	0	0	1	5
CNTN4	1	1	0	1	1	0	0	0	0	1	5
CAMSAP1	1	1	0	1	1	0	0	0	0	1	5
AP1G1	1	1	0	1	1	0	0	0	0	1	5
DLX1	1	1	0	1	1	1	0	0	0	0	5
DYNC1LI2	1	1	0	1	1	0	0	0	0	1	5
DTNA	1	1	0	1	1	0	0	0	0	1	5
EEF1A1	1	1	0	1	1	1	0	0	0	0	5
EGR3	1	1	0	1	1	0	0	0	0	1	5
EN1	1	1	0	1	1	0	0	0	0	1	5
EPS8	1	1	0	1	1	0	0	0	0	1	5
EYA4	1	1	0	1	1	0	0	0	0	1	5

ESR1	1	0	0	1	1	1	0	0	0	1	5
ETF1	1	1	0	1	1	0	0	0	0	1	5
EYA1	1	0	0	1	1	1	0	0	0	1	5
EYA1	1	0	0	1	1	1	0	0	0	1	5
EYA1	1	0	0	1	1	1	0	0	0	1	5
ACSL1	1	1	0	1	1	0	0	0	0	1	5
BPTF	1	0	0	1	1	1	0	0	0	1	5
FBN2	1	1	0	1	1	0	0	0	0	1	5
ARL5B	1	1	0	1	1	0	0	0	0	1	5
FKBP1A	1	1	0	1	1	0	0	0	0	1	5
PHLDA1	1	1	0	1	1	0	0	0	0	1	5
USP33	1	1	0	1	1	0	0	0	0	1	5
DOPEY1	1	1	0	1	1	0	0	0	0	1	5
KIAA0423	1	1	0	1	1	0	0	0	0	1	5
RTF1	1	1	0	1	1	0	0	0	0	1	5
GPD1L	1	1	0	1	1	0	0	0	0	1	5
KANK1	1	0	0	1	1	1	0	0	0	1	5
KIAA0182	1	1	0	1	1	0	0	0	0	1	5
TBC1D1	1	1	0	1	1	0	0	0	0	1	5
HISPPD1	1	1	0	1	1	0	0	0	0	1	5
DNAJC13	1	1	0	1	1	0	0	0	0	1	5
SYNE1	0	1	0	1	1	1	0	0	0	1	5
PHF3	1	1	0	1	1	0	0	0	0	1	5
CBX7	1	1	0	1	1	0	0	0	0	1	5
CENTB2	1	1	0	1	1	0	0	0	0	1	5
ZNF281	1	1	0	1	1	1	0	0	0	0	5
LYCAT	1	0	0	1	1	1	0	0	0	1	5
NAALADL2	1	1	0	1	1	0	0	0	0	1	5
GABRA1	1	0	0	1	1	1	0	0	0	1	5
MAP3K7IP3	1	1	0	1	1	0	0	0	0	1	5
GALNT1	1	1	0	1	1	0	0	0	0	1	5
ABI3BP	1	1	0	1	1	0	0	0	0	1	5
GPR124	1	1	0	1	1	1	0	0	0	0	5
OSBPL3	1	0	0	1	1	1	0	0	0	1	5
OSBPL3	1	0	0	1	1	1	0	0	0	1	5
OSBPL3	1	0	0	1	1	1	0	0	0	1	5
WSB1	1	1	0	1	1	0	0	0	0	1	5
LRRC32	1	1	0	1	1	0	0	0	0	1	5
ARL5A	1	1	0	1	1	0	0	0	0	1	5
SACS	1	1	0	1	1	0	0	0	0	1	5
GATM	1	1	0	1	1	0	0	0	0	1	5

NR6A1	1	0	0	1	1	1	0	0	0	1	5
GREM1	1	1	0	1	1	0	0	0	0	1	5
B4GALT1	1	1	0	1	1	0	0	0	0	1	5
RABGEF1	1	1	0	1	1	0	0	0	0	1	5
GOLGA1	1	1	0	1	1	0	0	0	0	1	5
ZNF615	1	1	0	1	1	0	0	0	0	1	5
ANGPT2	1	1	0	1	1	0	0	0	0	1	5
ATP11C	1	1	0	1	1	0	0	0	0	1	5
NR3C1	1	0	0	1	1	1	0	0	0	1	5
SENP1	1	1	0	1	1	0	0	0	0	1	5
HOXB5	1	1	0	1	1	0	0	0	0	1	5
HOXC8	1	1	0	1	1	0	0	0	0	1	5
RSPO2	1	1	0	1	1	0	0	0	0	1	5
CYR61	1	1	0	1	1	0	0	0	0	1	5
IL1A	1	1	0	1	1	0	0	0	0	1	5
ITGA3	1	1	0	1	1	0	0	0	0	1	5
ITGA3	1	1	0	1	1	0	0	0	0	1	5
ITGB8	1	1	0	1	1	0	0	0	0	1	5
ZC3H6	1	1	0	1	1	0	0	0	0	1	5
KPNA1	1	1	0	1	1	0	0	0	0	1	5
LBR	1	1	0	1	1	0	0	0	0	1	5
LPP	1	1	0	1	1	0	0	0	0	1	5
SMAD7	1	1	0	1	1	0	0	0	0	1	5
MAT2A	1	1	0	1	1	0	0	0	0	1	5
ADAM11	1	1	0	1	1	0	0	0	0	1	5
MEIS2	1	1	0	1	1	1	0	0	0	0	5
MEIS2	1	1	0	1	1	1	0	0	0	0	5
MAP3K3	1	0	0	1	1	1	0	0	0	1	5
MAP3K10	1	1	0	1	1	0	0	0	0	1	5
AFF1	1	1	0	1	1	0	0	0	0	1	5
MMP14	1	1	0	1	1	0	0	0	0	1	5
MYH10	1	1	0	1	1	0	0	0	0	1	5
ATP1B1	0	1	0	1	1	1	0	0	0	1	5
ATP1B1	1	0	0	1	1	1	0	0	0	1	5
ATP2B1	1	1	0	1	1	0	0	0	0	1	5
ATP2B1	1	1	0	1	1	0	0	0	0	1	5
ATP2B2	1	0	0	1	1	1	0	0	0	1	5
MINK1	1	1	0	1	1	0	0	0	0	1	5
PAM	1	0	0	1	1	1	0	0	0	1	5
PAM	1	0	0	1	1	1	0	0	0	1	5
PAWR	1	1	0	1	1	0	0	0	0	1	5

C5orf5	1	1	0	1	1	1	0	0	0	0	5
MEX3C	1	1	0	1	1	0	0	0	0	1	5
YTHDF2	1	1	0	1	1	0	0	0	0	1	5
TAF9B	1	1	0	1	1	0	0	0	0	1	5
CAB39	1	1	0	1	1	1	0	0	0	0	5
SERPINB5	1	1	0	1	1	0	0	0	0	1	5
PKNOX1	1	1	0	1	1	0	0	0	0	1	5
PLAG1	1	0	0	1	1	1	0	0	0	1	5
PLS1	1	1	0	1	1	0	0	0	0	1	5
CSNK1G1	1	1	0	1	1	0	0	0	0	1	5
DCUN1D1	1	1	0	1	1	0	0	0	0	1	5
KCNK10	1	1	0	1	1	0	0	0	0	1	5
KIAA1128	1	1	0	1	1	0	0	0	0	1	5
RBM47	1	0	0	1	1	1	0	0	0	1	5
EPB41L4B	1	1	0	1	1	0	0	0	0	1	5
CCNJ	1	0	0	1	1	1	0	0	0	1	5
RSBN1	1	1	0	1	1	0	0	0	0	1	5
AFTPH	1	0	0	1	1	1	0	0	0	1	5
ZNF280D	1	1	0	1	1	0	0	0	0	1	5
FLJ20160	1	1	0	1	1	0	0	0	0	1	5
SEMA4C	1	1	0	1	1	0	0	0	0	1	5
TMEM16A	1	1	0	1	1	0	0	0	0	1	5
PLEKHJ1	1	1	0	1	1	0	0	0	0	1	5
LRRC8D	1	1	0	1	1	0	0	0	0	1	5
MSL2L1	1	1	0	1	1	0	0	0	0	1	5
PPP2R2C	1	0	0	1	1	1	0	0	0	1	5
LIN7C	1	1	0	1	1	0	0	0	0	1	5
PPP3R1	0	1	0	1	1	1	0	0	0	1	5
STRBP	1	1	0	1	1	1	0	0	0	0	5
SOX6	1	0	0	1	1	1	0	0	0	1	5
CDKN2AIP	1	1	0	1	1	0	0	0	0	1	5
PNRC2	1	1	0	1	1	0	0	0	0	1	5
RBM22	1	1	0	1	1	0	0	0	0	1	5
LMO3	1	0	0	1	1	1	0	0	0	1	5
SEPT3	1	1	0	1	1	0	0	0	0	1	5
MAP2K1	1	1	0	1	1	0	0	0	0	1	5
PCDHAC2	0	1	0	1	1	1	0	0	0	1	5
PCDHAC1	0	1	0	1	1	1	0	0	0	1	5
PCDHA10	0	1	0	1	1	1	0	0	0	1	5
PCDHA10	0	1	0	1	1	1	0	0	0	1	5
PCDHA5	0	1	0	1	1	1	0	0	0	1	5

PCDHA2	0	1	0	1	1	1	0	0	0	1	5
PSAP	1	1	0	1	1	0	0	0	0	1	5
INPP5E	1	1	0	1	1	0	0	0	0	1	5
TRIM39	1	1	0	1	1	0	0	0	0	1	5
RGMA	1	1	0	1	1	0	0	0	0	1	5
TULP4	1	1	0	1	1	0	0	0	0	1	5
PCNP	1	1	0	1	1	0	0	0	0	1	5
PELI1	1	1	0	1	1	1	0	0	0	0	5
DPP10	1	1	0	1	1	0	0	0	0	1	5
ZBTB4	1	1	0	1	1	0	0	0	0	1	5
SEMA4G	1	1	0	1	1	0	0	0	0	1	5
RBBP7	1	1	0	1	1	0	0	0	0	1	5
SENP2	1	1	0	1	1	0	0	0	0	1	5
RNF2	1	1	0	1	1	0	0	0	0	1	5
BCL7A	1	1	0	1	1	1	0	0	0	0	5
CLIP1	1	1	0	1	1	0	0	0	0	1	5
ATXN1	1	0	0	1	1	1	0	0	0	1	5
PKNOX2	1	1	0	1	1	0	0	0	0	1	5
XPO4	1	1	0	1	1	0	0	0	0	1	5
S100PBP	1	1	0	1	1	0	0	0	0	1	5
C1orf149	1	1	0	1	1	0	0	0	0	1	5
FNDC3B	1	1	0	1	1	0	0	0	0	1	5
SLC2A3	1	1	0	1	1	0	0	0	0	1	5
BMPR2	1	1	0	1	1	0	0	0	0	1	5
TRAK2	1	1	0	1	1	0	0	0	0	1	5
SOX5	1	0	0	1	1	1	0	0	0	1	5
SOX5	1	0	0	1	1	1	0	0	0	1	5
ZFP36L1	0	1	0	1	1	1	0	0	0	1	5
STC1	1	1	0	1	1	0	0	0	0	1	5
TGFBI	1	1	0	1	1	0	0	0	0	1	5
TWIST1	1	1	0	1	1	1	0	0	0	0	5
UBE2B	1	1	0	1	1	0	0	0	0	1	5
UBP1	1	0	0	1	1	1	0	0	0	1	5
ZIC1	1	0	0	1	1	1	0	0	0	1	5
PCGF2	1	1	0	1	1	0	0	0	0	1	5
CACNB2	1	1	0	1	1	0	0	0	0	1	5
DERL1	1	1	0	1	1	0	0	0	0	1	5
CDC73	1	1	0	1	1	0	0	0	0	1	5
LIN28	1	1	0	1	1	0	0	0	0	1	5
NR4A3	1	0	0	1	1	1	0	0	0	1	5
NARG1	1	1	0	1	1	0	0	0	0	1	5

RNF34	1	1	0	1	1	0	0	0	0	1	5
C13orf23	1	1	0	1	1	0	0	0	0	1	5
CAMK2G	1	0	0	1	1	1	0	0	0	1	5
CAMK2G	1	0	0	1	1	1	0	0	0	1	5
CAMK2G	1	0	0	1	1	1	0	0	0	1	5
SPRY4	1	0	0	1	1	1	0	0	0	1	5
FZD4	1	1	0	1	1	0	0	0	0	1	5
C11orf56	1	1	0	1	1	0	0	0	0	1	5
CASP10	1	1	0	1	1	0	0	0	0	1	5
RECK	1	1	0	1	1	0	0	0	0	1	5
CARD11	1	1	0	1	1	0	0	0	0	1	5
OGT	1	1	0	1	1	0	0	0	0	1	5
CDC42BPA	1	1	0	1	1	0	0	0	0	1	5
ADO	1	1	0	1	1	0	0	0	0	1	5
FAM73B	1	1	0	1	1	0	0	0	0	1	5
API5	1	1	0	1	1	0	0	0	0	1	5
CGGBP1	1	1	0	1	1	0	0	0	0	1	5
BHLHB2	1	1	0	1	1	0	0	0	0	1	5
TNFSF11	1	1	0	1	1	0	0	0	0	1	5
RUNX1	1	0	0	1	1	1	0	0	0	1	5
CBFA2T3	1	1	0	1	1	0	0	0	0	1	5
EED	1	1	0	1	1	0	0	0	0	1	5
EED	1	1	0	1	1	0	0	0	0	1	5
CCNK	0	1	0	1	1	1	0	0	0	1	5
PER2	1	1	0	1	1	0	0	0	0	1	5
DHX57	1	1	0	1	1	0	0	0	0	1	5
LONRF1	1	1	0	1	1	0	0	0	0	1	5
YTHDC1	1	0	0	1	1	1	0	0	0	1	5
CD4	1	1	0	1	1	0	0	0	0	1	5
C5orf13	1	0	0	1	1	1	0	0	0	1	5
NRXN1	1	0	0	1	1	1	0	0	0	1	5
AKAP7	1	0	0	1	1	1	0	0	0	1	5
AKAP7	1	0	0	1	1	1	0	0	0	1	5
AKAP6	1	1	0	1	1	0	0	0	0	1	5
ATG5	1	1	0	1	1	0	0	0	0	1	5
ADAMTS1	1	1	0	1	1	0	0	0	0	1	5
CLOCK	1	1	0	1	1	1	0	0	0	0	5
SEC24C	1	0	0	1	1	1	0	0	0	1	5
PCDHA9	0	1	0	1	1	1	0	0	0	1	5
KIAA0195	1	1	0	1	1	0	0	0	0	1	5
BCLAF1	1	1	0	1	1	0	0	0	0	1	5

TSC22D2	1	1	0	1	1	0	0	0	0	1	5
KIAA0528	1	1	0	1	1	0	0	0	0	1	5
G3BP2	1	0	0	1	1	1	0	0	0	1	5
G3BP2	1	0	0	1	1	1	0	0	0	1	5
NR1D2	1	1	0	1	1	0	0	0	0	1	5
E2F7	1	1	0	0	1	1	0	0	0	1	5
C3orf59	1	1	0	0	1	1	0	0	0	1	5
DUSP5	1	1	0	0	1	1	0	0	0	1	5
PLCL2	1	1	0	0	1	1	0	0	0	1	5
TRIM2	1	1	0	0	1	1	0	0	0	1	5
CLASP1	1	1	0	0	1	1	0	0	0	1	5
FBXO33	1	1	0	0	1	1	0	0	0	1	5
MAMDC2	1	1	0	0	1	1	0	0	0	1	5
FAM126B	1	1	0	0	1	1	0	0	0	1	5
INPP5A	1	1	0	0	1	1	0	0	0	1	5
KPNB1	1	1	0	0	1	1	0	0	0	1	5
PAM	1	1	0	0	1	1	0	0	0	1	5
RAPH1	1	1	0	0	1	1	0	0	0	1	5
ST8SIA4	1	1	0	0	1	1	0	0	0	1	5
FBXO11	1	1	0	0	1	1	0	0	0	1	5
KCNE3	1	1	0	1	0	0	1	0	0	1	5
PDCD6IP	1	0	1	1	0	0	1	0	0	1	5
SH2D3C	1	1	0	1	1	0	1	0	0	0	5
ACTR2	1	1	0	1	0	0	1	0	0	1	5
ABI2	1	1	0	1	0	0	1	0	0	1	5
INADL	1	1	0	1	0	0	1	0	0	1	5
CTDSPL	1	0	0	1	1	1	0	0	0	1	5
EFS	1	1	0	1	0	0	1	0	0	1	5
ADAR	1	1	0	1	0	0	1	0	0	1	5
CDR2	1	1	0	1	0	0	1	0	0	1	5
DLC1	1	1	0	1	0	0	1	0	0	1	5
ATP8A1	1	1	0	1	0	0	1	0	0	1	5
ADARB1	1	0	1	1	0	0	1	0	0	1	5
ADARB1	1	1	0	1	1	0	0	0	0	1	5
PGRMC2	1	1	0	1	0	0	1	0	0	1	5
SEC24B	1	1	0	1	0	0	1	0	1	0	5
MERTK	1	1	0	1	0	0	1	0	0	1	5
CRTAP	1	1	0	1	0	0	1	0	0	1	5
SEMA4F	1	1	0	1	0	0	1	0	0	1	5
HYOU1	1	0	0	1	0	0	1	0	1	1	5
ARPC1A	0	1	1	1	0	0	1	0	0	1	5

AGPAT1	1	1	0	1	1	0	0	0	0	1	5
SPTLC1	1	1	0	1	0	0	1	0	0	1	5
MAB21L2	1	1	0	1	0	0	1	0	0	1	5
POLR3F	1	1	0	1	0	0	1	0	0	1	5
CUGBP2	1	1	0	1	0	0	1	0	0	1	5
RRAGA	1	1	0	1	1	0	1	0	0	0	5
NFAT5	1	1	0	1	1	0	0	0	0	1	5
CFL2	1	1	0	1	0	0	1	0	0	1	5
TCFL5	1	1	0	1	0	0	1	0	0	1	5
NUP50	1	1	0	1	0	0	1	0	0	1	5
JARID1B	1	1	0	1	0	0	1	0	0	1	5
HBS1L	1	1	0	1	0	0	1	0	0	1	5
ZMYND11	1	0	1	1	0	0	1	0	0	1	5
NPFFR2	1	1	0	1	0	0	1	0	0	1	5
BLCAP	1	1	0	1	0	0	1	0	0	1	5
EDAR	1	1	0	1	0	0	1	0	0	1	5
PNRC1	1	1	0	1	0	0	1	0	0	1	5
CKAP4	1	1	0	1	0	0	1	0	0	1	5
TMED10	1	1	0	1	0	0	1	0	0	1	5
UQCR	1	1	0	1	0	0	1	1	0	0	5
TLK2	1	1	0	1	0	0	1	0	0	1	5
KDELR2	1	1	0	1	0	0	1	0	0	1	5
KDELR3	1	1	0	1	0	0	1	0	0	1	5
RCBTB2	1	1	0	1	0	0	1	0	0	1	5
POLS	1	1	0	1	0	0	1	0	0	1	5
CPSF6	0	1	1	1	0	0	1	0	0	1	5
TOPBP1	1	1	0	1	0	0	1	0	0	1	5
TPPP	1	1	0	1	0	0	1	0	0	1	5
ESM1	0	1	0	1	1	1	0	0	0	1	5
ADAMTS8	1	1	0	1	0	0	1	0	0	1	5
CIT	1	1	0	1	0	0	1	0	0	1	5
PTPRT	1	1	0	1	0	0	1	0	0	1	5
AP4S1	1	1	0	1	1	0	1	0	0	0	5
ERLIN2	1	1	0	1	0	0	1	0	0	1	5
NUDT4	1	0	1	1	0	0	1	0	0	1	5
FSTL1	1	1	0	1	0	0	1	0	0	1	5
CHKA	1	1	0	1	0	0	1	0	0	1	5
POLI	0	1	1	1	0	0	1	0	0	1	5
CHML	1	1	0	1	0	0	1	0	0	1	5
HPS5	1	1	0	1	0	0	1	0	0	1	5
C14orf126	1	1	0	1	0	0	1	0	0	1	5

CHP	1	1	0	1	0	0	1	0	0	1	5
KLF12	1	1	0	1	0	0	1	0	0	1	5
BTBD14B	1	1	0	1	0	0	1	0	0	1	5
ADCY7	1	1	0	1	0	0	1	0	0	1	5
LYPLA2	1	1	0	1	0	0	1	0	0	1	5
MGAT4A	1	1	0	1	0	0	1	0	0	1	5
SLC46A1	1	1	0	1	0	0	1	0	0	1	5
LARP4	1	0	1	1	0	0	1	0	0	1	5
SFT2D1	1	1	0	1	0	0	1	0	0	1	5
TRIM9	1	1	0	1	0	0	1	0	0	1	5
TRIM9	1	1	0	1	1	0	0	0	0	1	5
CHRNB2	1	1	0	1	0	0	1	0	0	1	5
MAL2	1	1	0	1	0	0	1	0	0	1	5
GPRIN1	1	1	0	1	0	0	1	0	0	1	5
SLC25A25	1	0	0	1	1	1	0	0	0	1	5
TMEM132B	1	1	0	1	0	0	1	0	0	1	5
CCDC85A	1	1	0	1	0	0	1	0	0	1	5
SORCS1	1	1	0	1	0	0	1	0	0	1	5
TMEM123	1	1	0	1	0	0	1	0	0	1	5
SLC26A9	1	1	0	1	0	0	1	0	0	1	5
SLC26A7	1	1	0	1	0	0	1	0	0	1	5
KCTD12	1	1	0	1	0	0	1	0	0	1	5
ARL11	1	1	0	1	0	0	1	0	0	1	5
C16orf75	1	1	0	1	0	0	1	0	0	1	5
LYSMD3	1	1	0	1	0	0	1	0	0	1	5
LOC116236	1	1	0	1	0	0	1	0	0	1	5
RAB39B	1	1	0	1	0	0	1	0	0	1	5
C6orf192	1	1	0	1	0	0	1	0	0	1	5
CENTD1	1	1	0	1	0	0	1	0	0	1	5
SH2D1B	1	1	0	1	0	0	1	0	0	1	5
RAB3IP	1	0	1	1	0	0	1	0	0	1	5
CLCN6	1	1	0	1	0	0	1	0	0	1	5
C10orf4	1	1	0	1	0	0	1	0	0	1	5
C10orf78	1	1	0	1	1	0	0	0	0	1	5
C10orf78	1	0	0	1	1	0	1	0	0	1	5
LRRK2	1	1	0	1	0	0	1	0	0	1	5
IKIP	1	1	0	1	0	0	1	0	0	1	5
BTBD11	1	1	0	1	0	0	1	0	0	1	5
SLAIN1	1	1	0	1	0	0	1	0	1	0	5
TRAPPC6B	1	1	0	1	0	0	1	0	0	1	5
SOCS4	1	0	1	1	0	0	1	0	0	1	5

JUNDM2	1	0	0	1	1	0	1	0	0	1	5
SLC24A4	1	1	0	1	0	0	1	0	0	1	5
MSI2	1	1	0	1	0	0	1	0	0	1	5
CD300LB	1	1	0	1	0	0	1	0	0	1	5
ZNF792	1	1	0	1	0	0	1	0	0	1	5
ANKLE1	1	1	0	1	0	0	1	0	0	1	5
ADH4	1	1	0	1	0	0	1	0	0	1	5
C1orf93	1	1	0	1	0	0	1	0	0	1	5
C1orf83	1	1	0	1	0	0	1	0	0	1	5
UBXD3	1	1	0	1	0	0	1	0	0	1	5
C1orf131	1	1	0	1	0	0	1	0	0	1	5
KLF17	1	1	0	1	0	0	1	0	0	1	5
COL5A1	1	1	0	1	0	0	1	0	0	1	5
C22orf25	1	1	0	1	0	0	1	0	0	1	5
COL6A3	1	1	0	1	0	0	1	0	0	1	5
C2orf60	1	1	0	1	0	0	1	0	0	1	5
CMPK2	1	1	0	1	0	0	1	0	0	1	5
TMEM18	1	1	0	1	0	0	1	0	0	1	5
FLJ40298	1	1	0	1	0	0	1	0	0	1	5
ACMSD	1	1	0	1	0	0	1	0	0	1	5
RFTN2	1	1	0	1	0	0	1	0	0	1	5
ACVR1C	1	1	0	1	0	0	1	0	0	1	5
UBR3	1	1	0	1	1	0	1	0	0	0	5
CPNE4	1	1	0	1	0	0	1	0	0	1	5
FAM43A	1	1	0	1	0	0	1	0	0	1	5
SLC31A1	1	1	0	1	1	0	1	0	0	0	5
LIN54	1	1	0	1	0	0	1	1	0	0	5
SPATA18	1	1	0	1	0	0	1	0	0	1	5
CPEB2	1	0	0	1	1	1	0	0	0	1	5
C5orf33	1	1	0	1	0	0	1	0	0	1	5
NCOA7	1	1	0	1	0	0	1	0	0	1	5
HINT3	1	1	0	1	0	0	1	0	0	1	5
CD109	1	1	0	1	0	0	1	0	0	1	5
COX11	1	1	0	1	0	0	1	0	0	1	5
C7orf57	1	1	0	1	0	0	1	0	0	1	5
TMEM71	1	1	0	1	0	0	1	0	0	1	5
LOC137886	1	1	0	1	0	0	1	0	0	1	5
CREB1	1	0	0	1	1	1	0	0	0	1	5
CREBL2	1	1	0	1	0	0	1	0	0	1	5
WDR40B	1	1	0	1	0	0	1	0	0	1	5
CRH	1	1	0	1	0	0	1	0	0	1	5

FAM123B	1	1	0	1	0	0	1	0	0	1	5
CRKL	1	1	0	1	0	0	1	0	0	1	5
ASB5	1	1	0	1	0	0	1	0	0	1	5
CRY2	1	1	0	1	0	0	1	0	0	1	5
ZNF280B	1	1	0	1	0	0	1	0	0	1	5
ADPRH	1	1	0	1	0	0	1	0	0	1	5
C10orf46	1	1	0	1	0	0	1	0	0	1	5
FAM76B	1	1	0	1	0	0	1	0	0	1	5
SPTY2D1	1	1	0	1	0	0	1	0	0	1	5
TMEM86A	1	1	0	1	0	0	1	0	0	1	5
FLJ32549	1	1	0	1	0	0	1	0	0	1	5
C13orf30	1	1	0	1	0	0	1	0	0	1	5
PRIMA1	1	1	0	1	0	0	1	0	0	1	5
CMTM4	1	1	0	1	0	0	1	0	0	1	5
GSG1L	1	1	0	1	0	0	1	0	0	1	5
SLFN13	1	1	0	1	0	0	1	0	0	1	5
AMAC1	1	1	0	1	0	0	1	0	0	1	5
C18orf25	1	1	0	1	0	0	1	0	0	1	5
ZNF418	1	1	0	1	0	0	1	0	0	1	5
ZNF417	1	1	0	1	0	0	1	0	0	1	5
ZNF420	1	1	0	1	0	0	1	0	0	1	5
C19orf25	1	1	0	1	0	0	1	0	0	1	5
ZNF569	1	1	0	1	0	0	1	0	0	1	5
C1orf52	1	1	0	1	0	0	1	0	0	1	5
EXOC8	1	1	0	1	0	0	1	0	0	1	5
PDIK1L	1	1	0	1	0	0	1	0	0	1	5
BNIPL	1	1	0	1	0	0	1	0	0	1	5
C1orf84	0	1	1	1	0	0	1	0	0	1	5
CTNND1	1	1	0	1	0	0	1	0	0	1	5
PROM2	1	1	0	1	0	0	1	0	0	1	5
ZNF385B	1	1	0	1	1	0	1	0	0	0	5
FAM84A	1	1	0	1	0	0	1	0	0	1	5
CTSO	1	1	0	1	0	0	1	0	0	1	5
RNF38	1	0	0	1	0	0	1	1	0	1	5
IGSF11	1	0	1	1	0	0	1	0	0	1	5
SRFBP1	1	1	0	1	0	0	1	0	0	1	5
PLEKHG4B	1	1	0	1	0	0	1	0	0	1	5
C6orf151	1	1	0	1	0	0	1	0	0	1	5
MBOAT1	1	1	0	1	0	0	1	0	0	1	5
ABCA13	1	1	0	1	0	0	1	0	0	1	5
CYP2C8	1	1	0	1	0	0	1	0	0	1	5

ADRBK2	1	1	0	1	0	0	1	0	0	1	5
VPS13B	1	0	0	1	0	0	1	1	0	1	5
CYP7A1	1	1	0	1	0	0	1	0	0	1	5
FAM120AOS	1	1	0	1	0	0	1	0	0	1	5
CYP11B1	1	1	0	1	0	0	1	0	0	1	5
FAM122B	1	1	0	1	0	0	1	0	0	1	5
TMTC2	1	1	0	1	0	0	1	0	0	1	5
MGC24039	1	1	0	1	0	0	1	0	0	1	5
CCDC60	1	1	0	1	0	0	1	0	0	1	5
GPR180	1	1	0	1	0	0	1	0	0	1	5
STOML3	1	1	0	1	0	0	1	0	0	1	5
C15orf26	1	1	0	1	0	0	1	0	0	1	5
TMEM92	1	1	0	1	0	0	1	0	0	1	5
RHBDL3	1	1	0	1	0	0	1	0	0	1	5
DBT	1	1	0	1	0	0	1	0	0	1	5
ZNF540	1	1	0	1	0	0	1	0	0	1	5
GBP6	1	1	0	1	0	0	1	0	0	1	5
PAP2D	1	1	0	1	0	0	1	0	0	1	5
C1orf71	1	1	0	1	0	0	1	0	0	1	5
AP1G1	1	0	1	1	0	0	1	0	0	1	5
AP1G1	1	1	0	1	1	0	0	0	0	1	5
DCX	1	1	0	1	0	0	1	0	0	1	5
PRICKLE2	1	1	0	1	0	0	1	0	0	1	5
SLC30A8	1	1	0	1	0	0	1	0	0	1	5
INDOL1	1	1	0	1	0	0	1	0	0	1	5
QSOX2	1	1	0	1	0	0	1	0	0	1	5
GLIS3	1	1	0	1	0	0	1	0	0	1	5
FAM46D	1	1	0	1	0	0	1	0	0	1	5
FAM47B	1	1	0	1	0	0	1	0	0	1	5
COMMD6	1	1	0	1	0	0	1	0	0	1	5
KCNG3	1	1	0	1	0	0	1	0	0	1	5
DIAPH1	1	1	0	1	0	0	1	0	0	1	5
DKC1	1	1	0	1	0	0	1	0	0	1	5
DNAH8	0	1	1	1	0	0	1	0	0	1	5
DR1	1	1	0	1	0	0	1	0	0	1	5
DSC1	1	1	0	1	0	0	1	0	0	1	5
AGT	1	1	0	1	0	0	1	0	0	1	5
DTNA	1	1	0	1	1	0	0	0	0	1	5
DUSP3	1	1	0	1	0	0	1	0	0	1	5
TOR1A	1	1	0	1	0	0	1	0	0	1	5
E2F1	1	1	0	1	0	0	1	0	0	1	5

ABCA1	1	1	0	1	0	0	1	0	0	1	5
EDNRA	1	1	0	1	0	0	1	0	0	1	5
EIF2C4	1	1	0	1	0	0	1	0	0	1	5
EGR1	1	1	0	1	0	0	1	0	0	1	5
P76	1	1	0	1	0	0	1	0	0	1	5
FAM71C	1	1	0	1	0	0	1	0	0	1	5
ARID2	1	1	0	1	0	0	1	0	0	1	5
EIF2S3	1	1	0	1	0	0	1	0	0	1	5
ELAVL3	1	1	0	1	0	0	1	0	0	1	5
SLC5A9	1	1	0	1	0	0	1	0	0	1	5
TXLNA	1	1	0	1	0	0	1	0	0	1	5
C2orf13	1	1	0	1	0	0	1	0	0	1	5
PRR6	1	1	0	1	0	0	1	0	0	1	5
CCDC125	1	1	0	1	0	0	1	0	0	1	5
C9orf91	1	1	0	1	0	0	1	0	0	1	5
C9orf25	1	1	0	1	0	0	1	0	0	1	5
ZNF449	1	1	0	1	0	0	1	0	0	1	5
LOC203547	1	1	0	1	0	0	1	0	0	1	5
EPHA3	1	1	0	1	0	0	1	0	0	1	5
EPHA7	1	1	0	1	0	0	1	0	0	1	5
EPHB1	1	1	0	1	0	0	1	0	0	1	5
HIPK1	1	1	0	1	0	0	1	0	0	1	5
STX2	1	1	0	1	0	0	1	0	0	1	5
C3orf58	1	1	0	1	0	0	1	0	0	1	5
EPS15	1	1	0	1	0	0	1	0	0	1	5
SLC36A1	1	1	0	1	0	0	1	0	0	1	5
ERBB4	1	1	0	1	0	0	1	0	0	1	5
EYA4	1	0	0	1	1	0	1	0	0	1	5
EYA4	1	1	0	1	1	0	0	0	0	1	5
AKT2	1	1	0	1	0	0	1	0	0	1	5
ESR1	1	0	0	1	1	1	0	0	0	1	5
ETS1	1	0	0	1	1	0	1	0	0	1	5
EYA1	1	0	0	1	1	1	0	0	0	1	5
EYA1	1	0	0	1	1	1	0	0	0	1	5
BPTF	1	0	0	1	1	1	0	0	0	1	5
C10orf56	1	1	0	1	0	0	1	0	0	1	5
RTKN2	1	1	0	1	0	0	1	0	0	1	5
HNRPA3	1	1	0	1	0	0	1	0	0	1	5
FAM26D	1	1	0	1	0	0	1	0	0	1	5
C6orf170	1	1	0	1	0	0	1	0	0	1	5
OPN5	1	1	0	1	0	0	1	0	0	1	5

GPR116	1	1	0	1	0	0	1	0	0	1	5
C6orf223	1	1	0	1	0	0	1	0	0	1	5
C6orf128	1	1	0	1	0	0	1	0	0	1	5
FDFT1	1	1	0	1	0	0	1	0	0	1	5
LNX2	1	1	0	1	0	0	1	0	0	1	5
SLC35F1	1	1	0	1	0	0	1	0	0	1	5
FDX1	1	1	0	1	0	0	1	0	0	1	5
SEMA3D	1	1	0	1	0	0	1	0	0	1	5
FGF7	1	1	0	1	0	0	1	0	0	1	5
FGFR1	1	1	0	1	0	0	1	0	0	1	5
NLGN4Y	1	1	0	1	0	0	1	0	0	1	5
ZFP30	1	1	0	1	0	0	1	0	0	1	5
VASH1	1	1	0	1	0	0	1	0	0	1	5
AAK1	0	1	1	1	0	0	1	0	0	1	5
FNDC3A	1	1	0	1	0	0	1	0	0	1	5
MON1B	1	1	0	1	0	0	1	0	0	1	5
FKBP4	1	1	0	1	1	0	1	0	0	0	5
DIS3	1	1	0	1	0	0	1	0	0	1	5
ARHGEF15	1	1	0	1	0	0	1	0	0	1	5
EPN2	1	1	0	1	0	0	1	0	0	1	5
TRAK1	0	1	1	1	0	0	1	0	0	1	5
NCBP2	1	1	0	1	0	0	1	0	0	1	5
MAPRE1	1	1	0	1	0	0	1	0	1	0	5
TPX2	1	1	0	1	0	0	1	0	0	1	5
DIP2C	1	1	0	1	0	0	1	0	0	1	5
SORCS3	1	1	0	1	0	0	1	0	0	1	5
KIAA0265	1	1	0	1	1	0	1	0	0	0	5
FBXO21	1	1	0	1	0	0	1	0	0	1	5
CNOT1	1	1	0	1	0	0	1	0	0	1	5
TMCC1	1	1	0	1	0	0	1	0	0	1	5
PDZRN3	1	1	0	1	0	0	1	0	0	1	5
XPO7	0	1	1	1	0	0	1	0	0	1	5
MON2	1	1	0	1	0	0	1	0	0	1	5
PDXDC1	1	1	0	1	0	0	1	0	0	1	5
PDS5B	1	1	0	1	1	0	1	0	0	0	5
NMNAT2	1	1	0	1	0	0	1	0	0	1	5
GGA2	1	1	0	1	0	0	1	0	0	1	5
SETX	1	1	0	1	0	0	1	0	0	1	5
KIAA0090	1	1	0	1	0	0	1	0	0	1	5
RRP1B	1	1	0	1	0	0	1	0	0	1	5
KIAA0241	1	1	0	1	0	0	1	0	0	1	5

TRIM35	1	1	0	1	0	0	1	0	0	1	5
MRPS27	1	1	0	1	0	0	1	0	0	1	5
SPG20	1	1	0	1	0	0	1	0	0	1	5
MAP3K7IP2	1	1	0	1	0	0	1	0	0	1	5
N4BP3	1	1	0	1	0	0	1	0	0	1	5
GRAMD4	1	1	0	1	0	0	1	1	0	0	5
CLCC1	1	1	0	1	0	0	1	0	0	1	5
TBC1D9	1	1	0	1	0	0	1	0	0	1	5
SEPT7	1	1	0	1	0	0	1	0	0	1	5
FLOT2	1	1	0	1	0	0	1	0	0	1	5
ATP11B	1	1	0	1	0	0	1	0	0	1	5
ZFR2	1	1	0	1	0	0	1	0	0	1	5
DTX4	1	1	0	1	0	0	1	0	0	1	5
SNF1LK2	1	1	0	1	0	0	1	0	0	1	5
PACS2	1	1	0	1	0	0	1	0	0	1	5
COBL	1	1	0	1	0	0	1	0	0	1	5
ATP11A	1	1	0	1	0	0	1	0	0	1	5
KIAA1024	1	1	0	1	0	0	1	0	0	1	5
ANKRD12	1	1	0	1	0	0	1	0	0	1	5
CAMTA1	1	1	0	1	0	0	1	0	0	1	5
CAMSAP1L1	1	1	0	1	0	0	1	0	0	1	5
SMG6	1	1	0	1	0	0	1	0	0	1	5
BICD2	1	1	0	1	1	0	1	0	0	0	5
ICOSLG	1	1	0	1	0	0	1	0	0	1	5
SLC9A8	1	1	0	1	0	0	1	0	0	1	5
SASH1	1	1	0	1	0	0	1	0	0	1	5
WDR7	1	1	0	1	0	0	1	0	0	1	5
KIAA1045	1	1	0	1	0	0	1	0	0	1	5
SR140	1	1	0	1	0	0	1	0	0	1	5
PSD3	1	1	0	1	0	0	1	0	0	1	5
ARHGEF12	1	1	0	1	0	0	1	0	0	1	5
SRGAP2	1	1	0	1	0	0	1	0	0	1	5
SPECC1L	1	0	0	1	1	0	1	0	0	1	5
ZDHHC17	1	1	0	1	0	0	1	0	0	1	5
NCAPH	1	1	0	1	0	0	1	0	0	1	5
FRAT2	1	1	0	1	0	0	1	0	0	1	5
EXOSC2	1	1	0	1	0	0	1	0	0	1	5
FREQ	1	1	0	1	0	0	1	0	0	1	5
ICMT	1	1	0	1	0	0	1	0	0	1	5
POFUT1	1	1	0	1	0	0	1	0	0	1	5
KCTD2	1	1	0	1	0	0	1	0	0	1	5

HYAL4	1	1	0	1	0	0	1	0	0	1	5
DDX58	1	1	0	1	0	0	1	0	0	1	5
FPRL2	1	1	0	1	0	0	1	0	0	1	5
CD2AP	1	1	0	1	0	0	1	0	0	1	5
ZMYND8	1	1	0	1	1	0	1	0	0	0	5
PRND	1	1	0	1	0	0	1	0	0	1	5
STX12	1	1	0	1	0	0	1	0	0	1	5
SGK3	1	1	0	1	0	0	1	0	0	1	5
RAB38	1	1	0	1	0	0	1	0	0	1	5
SDF2L1	1	1	0	1	1	0	1	0	0	0	5
MTCH2	1	1	0	1	1	0	1	0	0	0	5
PANX1	1	1	0	1	0	0	1	0	0	1	5
VGLL2	1	1	0	1	0	0	1	0	0	1	5
ATP6V0D2	1	1	0	1	0	0	1	0	0	1	5
CNOT6L	1	1	0	1	0	0	1	0	0	1	5
LACE1	1	1	0	1	0	0	1	0	0	1	5
FUT4	1	1	0	1	0	0	1	0	0	1	5
STXBP4	1	1	0	1	0	0	1	0	0	1	5
SRD5A2L2	1	1	0	1	0	0	1	0	0	1	5
KDSR	1	1	0	1	0	0	1	0	0	1	5
RICTOR	1	1	0	1	0	0	1	0	0	1	5
FYB	1	1	0	1	0	0	1	0	0	1	5
CADM2	1	1	0	1	1	0	1	0	0	0	5
LASS6	1	1	0	1	0	0	1	0	0	1	5
YTHDF3	0	1	0	1	1	0	1	0	0	1	5
MGC50559	1	0	1	1	0	0	1	0	0	1	5
RNF169	1	1	0	1	0	0	1	0	0	1	5
FAM26E	1	1	0	1	0	0	1	0	0	1	5
MCM9	0	1	0	1	0	0	1	1	0	1	5
LYG2	1	1	0	1	0	0	1	0	0	1	5
GABRA1	1	0	0	1	1	1	0	0	0	1	5
PAN3	1	1	0	1	0	0	1	0	0	1	5
ZNF549	1	1	0	1	0	0	1	0	0	1	5
GABRB2	1	1	0	1	0	0	1	0	0	1	5
GK5	1	1	0	1	0	0	1	0	0	1	5
GABRG2	1	1	0	1	0	0	1	0	0	1	5
WDR72	1	1	0	1	0	0	1	0	0	1	5
C10orf67	1	1	0	1	0	0	1	0	0	1	5
NEGR1	1	1	0	1	0	0	1	0	0	1	5
C11orf41	0	1	1	1	0	0	1	0	0	1	5
DNAJB5	1	0	0	1	1	0	1	0	0	1	5

ABTB2	1	1	0	1	0	0	1	0	0	1	5
FAM119B	1	1	0	1	0	0	1	0	0	1	5
GALNT2	1	1	0	1	0	0	1	0	0	1	5
IFFO	1	1	0	1	0	0	1	0	0	1	5
GALNT3	1	1	0	1	0	0	1	0	0	1	5
C1orf43	1	1	0	1	0	0	1	0	0	1	5
THUMPD3	1	1	0	1	0	0	1	0	0	1	5
NSL1	1	1	0	1	0	0	1	0	0	1	5
C2CD2	1	1	0	1	0	0	1	0	0	1	5
DAK	1	1	0	1	0	0	1	0	0	1	5
ODZ4	1	1	0	1	0	0	1	0	0	1	5
OSBPL3	1	0	0	1	1	1	0	0	0	1	5
OSBPL3	1	0	0	1	1	1	0	0	0	1	5
OSBPL3	1	0	0	1	1	1	0	0	0	1	5
SUSD5	1	1	0	1	0	0	1	0	0	1	5
ATRNL1	1	1	0	1	0	0	1	0	0	1	5
ZNF294	1	1	0	1	0	0	1	0	0	1	5
KIAA0888	1	1	0	1	0	0	1	0	0	1	5
AUTS2	1	1	0	1	0	0	1	0	0	1	5
KLK13	1	1	0	1	0	0	1	0	0	1	5
WDR21A	1	1	0	1	0	0	1	0	0	1	5
TANC2	1	1	0	1	0	0	1	0	0	1	5
TCTN3	1	1	0	1	0	0	1	0	0	1	5
FBXW2	1	1	0	1	0	0	1	0	0	1	5
GATA2	1	1	0	1	0	0	1	0	0	1	5
FBXO5	1	1	0	1	0	0	1	0	0	1	5
VPS33B	1	1	0	1	0	0	1	0	0	1	5
LHX6	1	1	0	1	0	0	1	0	0	1	5
NR6A1	1	0	0	1	1	1	0	0	0	1	5
CNNM3	1	1	0	1	0	0	1	0	0	1	5
CKAP2	1	1	0	1	0	0	1	0	0	1	5
GDI1	1	1	0	1	0	0	1	0	0	1	5
HS6ST3	0	1	1	1	0	0	1	0	0	1	5
MDGA1	1	1	0	1	0	0	1	0	0	1	5
RPS6KC1	1	1	0	1	0	0	1	0	0	1	5
GGT7	1	1	0	1	1	0	1	0	0	0	5
CHORDC1	1	1	0	1	0	0	1	0	0	1	5
SEC22A	1	1	0	1	0	0	1	1	0	0	5
VPS41	1	1	0	1	0	0	1	0	0	1	5
CACYBP	1	1	0	1	0	0	1	0	0	1	5
EIF2AK1	1	1	0	1	0	0	1	0	0	1	5

TMEM28	1	1	0	1	1	0	1	0	0	0	5
DISC1	1	1	0	1	0	0	1	0	0	1	5
ZNF364	1	1	0	1	0	0	1	0	0	1	5
PCDH11X	1	1	0	1	0	0	1	0	0	1	5
POLM	1	1	0	1	0	0	1	0	0	1	5
GNS	1	1	0	1	0	0	1	0	0	1	5
GOLGA3	1	1	0	1	0	0	1	0	0	1	5
GOT1	1	1	0	1	0	0	1	0	0	1	5
GPD2	1	0	1	1	0	0	1	0	0	1	5
GPLD1	1	1	0	1	0	0	1	0	0	1	5
WDR51B	1	1	0	1	0	0	1	0	0	1	5
STK32C	1	1	0	1	0	0	1	0	0	1	5
PGM2L1	1	1	0	1	0	0	1	0	0	1	5
DPY19L2	1	1	0	1	0	0	1	0	0	1	5
FAM100B	1	1	0	1	0	0	1	0	0	1	5
TMEM105	1	1	0	1	0	0	1	0	0	1	5
ZADH2	1	1	0	1	0	0	1	0	0	1	5
ZNF547	1	1	0	1	0	0	1	0	0	1	5
C19orf54	1	1	0	1	0	0	1	0	0	1	5
ZNF575	1	1	0	1	0	0	1	0	0	1	5
ZNF545	0	1	1	1	0	0	1	0	0	1	5
GPR22	1	1	0	1	0	0	1	0	0	1	5
FAM102B	1	1	0	1	0	0	1	0	0	1	5
SYPL2	1	1	0	1	0	0	1	0	0	1	5
GPR26	1	1	0	1	0	0	1	1	0	0	5
RABL3	1	1	0	1	0	0	1	0	0	1	5
C3orf23	1	1	0	1	0	0	1	0	0	1	5
LOC285636	1	1	0	1	0	0	1	0	0	1	5
SFRS12IP1	1	1	0	1	0	0	1	0	0	1	5
ANK1	1	1	0	1	0	0	1	0	0	1	5
ILDR1	1	1	0	1	0	0	1	0	0	1	5
MKNK2	1	1	0	1	0	0	1	0	0	1	5
GRB10	1	0	1	1	0	0	1	0	0	1	5
C16orf72	1	1	0	1	0	0	1	0	0	1	5
NR3C1	1	0	0	1	1	1	0	0	0	1	5
NR3C1	1	0	1	1	0	0	1	0	0	1	5
RNASEN	1	1	0	1	0	0	1	0	0	1	5
CXCL1	0	1	1	1	0	0	1	0	0	1	5
GTF2E1	1	1	0	1	0	0	1	0	0	1	5
GTF2H1	1	1	0	1	0	0	1	0	0	1	5
TFCP2L1	1	1	0	1	0	0	1	0	0	1	5

H3F3B	1	1	0	1	0	0	1	0	0	1	5
HTT	1	1	0	1	0	0	1	0	0	1	5
HLA-C	1	1	0	1	0	0	1	0	0	1	5
HMGB3	1	1	0	1	0	0	1	0	0	1	5
HMGCL	1	1	0	1	0	0	1	0	0	1	5
HNF4G	1	1	0	1	0	0	1	0	0	1	5
HNMT	1	1	0	1	0	0	1	0	0	1	5
ACACB	1	1	0	1	0	0	1	0	0	1	5
HOXC11	1	1	0	1	0	0	1	0	0	1	5
HPGD	1	1	0	1	0	0	1	0	0	1	5
HRB	1	0	0	1	1	0	1	0	0	1	5
HRBL	1	1	0	1	0	0	1	0	0	1	5
HRH1	1	0	1	1	0	0	1	0	0	1	5
HSD3B1	1	1	0	1	0	0	1	0	0	1	5
HSD11B1	1	1	0	1	0	0	1	0	0	1	5
HSPA1L	1	1	0	1	0	0	0	0	1	1	5
XIAP	1	1	0	1	0	0	1	0	0	1	5
BIRC5	1	1	0	1	0	0	1	0	0	1	5
DNAJB1	1	1	0	1	0	0	1	0	0	1	5
HTR2C	1	1	0	1	0	0	1	0	0	1	5
IRF8	1	1	0	1	0	0	1	0	0	1	5
ZC3H12B	1	1	0	1	0	0	1	0	0	1	5
IDH1	1	1	0	1	0	0	1	0	0	1	5
IDH3A	1	1	0	1	0	0	1	0	0	1	5
ZSCAN22	1	1	0	1	0	0	1	0	0	1	5
PLCXD3	1	1	0	1	0	0	1	0	0	1	5
MTX3	0	1	1	1	0	0	1	0	0	1	5
IFNG	1	1	0	1	0	0	1	0	0	1	5
ZNF81	1	1	0	1	0	0	1	0	0	1	5
FAM33A	1	1	0	1	0	0	1	0	0	1	5
BMP8A	1	1	0	1	0	0	1	0	0	1	5
IL1B	1	1	0	1	0	0	1	0	0	1	5
IL1R1	1	1	0	1	0	0	1	0	0	1	5
IL1RAP	1	1	0	1	0	0	1	0	0	1	5
FASLG	1	1	0	1	0	0	1	0	0	1	5
IL7	1	1	0	1	0	0	1	0	0	1	5
IL10RA	1	1	0	1	0	0	1	0	0	1	5
AQP2	1	1	0	1	0	0	1	0	0	1	5
FAM101B	1	1	0	1	0	0	1	0	0	1	5
ZBTB41	1	1	0	1	0	0	1	0	0	1	5
IL16	1	1	0	1	0	0	1	0	0	1	5

AQP4	1	1	0	1	0	0	1	0	0	1	5
IMPG1	1	1	0	1	0	0	1	0	0	1	5
INCENP	1	1	0	1	0	0	1	0	0	1	5
INSR	1	1	0	1	0	0	1	0	0	1	5
IREB2	1	1	0	1	0	0	1	0	0	1	5
IRF5	1	0	1	1	0	0	1	0	0	1	5
ITGA3	1	1	0	1	1	0	0	0	0	1	5
ITPR2	1	1	0	1	0	0	1	0	0	1	5
KCNA1	1	1	0	1	0	0	1	0	0	1	5
KCNB1	1	1	0	1	0	0	1	0	0	1	5
SFT2D2	1	1	0	1	0	0	1	0	0	1	5
LHFPL3	0	1	1	1	0	0	1	0	0	1	5
KCNJ2	1	1	0	1	0	0	1	0	0	1	5
KCNJ5	1	1	0	1	0	0	1	0	0	1	5
KCNJ10	1	1	0	1	0	0	1	0	0	1	5
CA13	1	1	0	1	0	0	1	0	0	1	5
KCNN1	1	1	0	1	0	0	1	0	0	1	5
KIF5A	1	1	0	1	0	0	1	0	0	1	5
ARF6	0	1	1	1	0	0	1	0	0	1	5
TNPO1	1	0	1	1	0	0	1	0	0	1	5
C6orf190	1	1	0	1	0	0	1	0	0	1	5
SH2D4B	1	1	0	1	0	0	1	0	0	1	5
LOC387856	1	1	0	1	0	0	1	0	0	1	5
NHLRC3	1	1	0	1	0	0	1	0	0	1	5
C15orf52	1	1	0	1	0	0	1	0	0	1	5
SBK1	1	1	0	1	0	0	1	0	0	1	5
YPEL2	1	1	0	1	0	0	1	0	0	1	5
LOC388610	0	1	1	1	0	0	1	0	0	1	5
VGLL3	1	1	0	1	0	0	1	0	0	1	5
CCDC4	1	1	0	1	0	0	1	0	0	1	5
IYD	1	1	0	1	0	0	1	0	0	1	5
RHOG	1	1	0	1	0	0	1	0	0	1	5
LAMC1	1	1	0	1	0	0	1	0	0	1	5
LAMC2	1	1	0	1	0	0	1	1	0	0	5
ARHGAP5	1	1	0	1	0	0	1	0	0	1	5
LDLR	1	1	0	1	0	0	1	0	0	1	5
LIF	1	1	0	1	0	0	1	0	0	1	5
FADS1	1	1	0	1	0	0	1	0	0	1	5
FAM102A	1	1	0	1	0	0	1	0	0	1	5
ARL1	1	1	0	1	0	0	1	0	0	1	5
C15orf54	1	1	0	1	0	0	1	0	0	1	5

SAMD12	1	1	0	1	0	0	1	0	0	1	5
SNX30	1	1	0	1	0	0	1	0	0	1	5
MCART6	1	1	0	1	0	0	1	0	0	1	5
C10orf132	1	1	0	1	0	0	1	0	0	1	5
ARL3	1	1	0	1	0	0	1	0	0	1	5
LRP4	1	1	0	1	0	0	1	0	0	1	5
HAPLN4	1	1	0	1	0	0	1	0	0	1	5
SMAD2	1	1	0	1	0	0	1	0	0	1	5
ARRB2	1	1	0	1	0	0	1	0	0	1	5
MAF	1	1	0	1	0	0	1	0	0	1	5
MAGEA4	1	0	1	1	0	0	1	0	0	1	5
MAN2A2	1	1	0	1	0	0	1	0	0	1	5
MAOA	1	1	0	1	0	0	1	0	0	1	5
MAP2	1	1	0	1	0	0	1	0	0	1	5
MATN3	0	1	1	1	0	0	1	0	0	1	5
MBNL1	1	0	1	1	0	0	1	0	0	1	5
MBP	1	1	0	1	0	0	1	0	0	1	5
MC2R	1	1	0	1	0	0	1	0	0	1	5
MCC	0	1	1	1	0	0	1	0	0	1	5
CHST6	1	1	0	1	0	0	1	0	0	1	5
MCM3	1	1	0	1	0	0	1	0	1	0	5
MCM6	1	1	0	1	0	0	1	0	0	1	5
ME2	1	1	0	1	0	0	1	0	0	1	5
MECP2	1	0	0	1	1	0	1	0	0	1	5
MEIS2	1	1	0	1	1	1	0	0	0	0	5
MEIS2	1	1	0	1	1	1	0	0	0	0	5
MEST	1	1	0	1	0	0	1	0	0	1	5
MAP3K9	1	1	0	1	0	0	1	0	0	1	5
MMP7	1	1	0	1	0	0	1	0	0	1	5
MMP8	1	1	0	1	0	0	1	0	0	1	5
MMP10	1	1	0	1	0	0	1	0	0	1	5
MMP13	1	1	0	1	0	0	1	1	0	0	5
MN1	1	1	0	1	0	0	1	1	0	0	5
MPP3	1	1	0	1	0	0	1	0	0	1	5
LOC440087	1	1	0	1	0	0	1	0	0	1	5
RP11-11C5.2	1	1	0	1	0	0	1	0	0	1	5
MSI1	1	1	0	1	0	0	1	0	0	1	5
MSR1	1	1	0	1	0	0	1	0	0	1	5
MTAP	1	1	0	1	0	0	1	0	0	1	5
MTF1	1	1	0	1	0	0	1	0	0	1	5
ASTN1	1	1	0	1	0	0	1	0	0	1	5

MYCN	1	1	0	1	1	0	1	0	0	0	5
ZFHX3	1	1	0	1	0	0	1	0	0	1	5
MYO5A	1	1	0	1	0	0	1	0	0	1	5
MYO5B	1	1	0	1	0	0	1	0	0	1	5
NBL1	1	1	0	1	0	0	1	1	0	0	5
NCBP1	1	1	0	1	0	0	1	0	0	1	5
NF1	1	1	0	1	0	0	1	0	0	1	5
NFYC	1	0	0	1	0	0	1	0	1	1	5
ATP1B1	0	1	0	1	1	1	0	0	0	1	5
NKTR	1	1	0	1	0	0	1	0	0	1	5
NKX2-2	1	1	0	1	1	0	1	0	0	0	5
NOTCH4	1	1	1	1	0	0	0	0	0	1	5
NPAT	1	1	0	1	0	0	1	0	0	1	5
NPM1	0	1	0	1	1	1	1	0	0	0	5
NRF1	1	1	0	1	0	0	1	0	0	1	5
ATP2B1	1	1	0	1	1	0	0	0	0	1	5
NSF	1	1	0	1	0	0	1	0	0	1	5
ATP2B2	1	0	0	1	1	1	0	0	0	1	5
ATP2B3	1	1	0	1	0	0	1	0	0	1	5
OPRK1	1	1	0	1	0	0	1	0	0	1	5
PEBP1	1	1	0	1	0	0	1	0	0	1	5
RRM2B	1	1	0	1	0	0	1	0	0	1	5
PAM	1	0	0	1	1	1	0	0	0	1	5
PAM	1	0	0	1	1	1	0	0	0	1	5
PARN	1	1	0	1	0	0	1	0	0	1	5
PAX5	1	1	0	1	0	0	1	0	0	1	5
SPOCK3	1	1	0	1	0	0	1	0	0	1	5
RNF141	1	1	0	1	0	0	1	0	0	1	5
PCBP1	1	1	0	1	1	0	1	0	0	0	5
PDE11A	1	1	0	1	0	0	1	0	0	1	5
ACOX1	1	1	0	1	0	0	1	0	0	1	5
SLC35C2	1	0	1	1	0	0	1	0	0	1	5
ASCC1	1	1	0	1	0	0	1	0	0	1	5
EXOSC3	1	1	0	1	0	0	1	0	0	1	5
TMED7	1	1	0	1	0	0	1	0	0	1	5
VPS36	1	1	0	1	0	0	1	0	0	1	5
FAM152A	1	1	0	1	0	0	1	0	0	1	5
ST8SIA3	1	1	0	1	0	0	1	0	0	1	5
FAM135B	1	1	0	1	0	0	1	0	0	1	5
TXNDC12	1	1	0	1	0	0	1	0	0	1	5
SH3GLB1	1	1	0	1	0	0	1	0	0	1	5

METTL9	1	1	0	1	0	0	1	1	0	0	5
GOLGA7	1	0	0	1	0	0	1	0	1	1	5
ASB3	1	0	0	1	0	0	1	1	0	1	5
MYO15A	1	1	0	1	0	0	1	0	0	1	5
VRK3	1	1	0	1	0	0	1	0	0	1	5
PDZD11	1	1	0	1	0	0	1	0	0	1	5
KLF3	0	1	1	1	0	0	1	0	0	1	5
ZNF571	1	1	0	1	0	0	1	0	0	1	5
RBJ	1	1	0	1	0	0	1	0	0	1	5
C1RL	1	1	0	1	0	0	1	0	0	1	5
CRNKL1	1	1	0	1	0	0	1	0	0	1	5
KLRF1	1	1	0	1	0	0	1	0	0	1	5
CRLF3	1	1	0	1	0	0	1	0	0	1	5
PDE2A	1	1	0	1	0	0	1	0	1	0	5
PDE3B	1	1	0	1	0	0	1	0	0	1	5
PCYOX1	1	1	0	1	0	0	1	0	0	1	5
ANKFY1	1	1	0	1	0	0	1	0	0	1	5
C22orf28	1	1	0	1	0	0	1	0	0	1	5
GTSE1	1	1	0	1	0	0	1	0	0	1	5
PCF11	1	1	0	1	1	0	1	0	0	0	5
TRIM33	1	1	0	1	0	0	1	0	0	1	5
TAF9B	1	1	0	1	1	0	0	0	0	1	5
ASB1	1	1	0	1	0	0	1	0	0	1	5
SUFU	1	1	0	1	0	0	1	0	0	1	5
PDPK1	1	1	0	1	0	0	1	0	0	1	5
ZNF44	1	0	1	1	0	0	1	0	0	1	5
CAB39	1	1	0	1	1	1	0	0	0	0	5
CMPK1	1	1	0	1	0	0	1	0	0	1	5
POLR3K	1	1	0	1	0	0	1	0	0	1	5
UPB1	1	1	0	1	0	0	1	0	0	1	5
RAB8B	1	1	0	1	0	0	1	0	0	1	5
ZAK	1	0	0	1	0	0	1	1	0	1	5
SIX4	1	1	0	1	0	0	1	0	0	1	5
PF4V1	1	1	0	1	0	0	1	0	0	1	5
ATP8B1	1	1	0	1	0	0	1	0	0	1	5
PFTK1	1	1	0	1	1	0	1	0	0	0	5
ATP6V1A	1	1	0	1	0	0	1	0	0	1	5
SERPINB9	1	1	0	1	0	0	1	0	0	1	5
PIK3C2A	0	1	1	1	0	0	1	0	0	1	5
PIN4	1	1	0	1	0	0	1	0	0	1	5
PKD2	1	1	0	1	0	0	1	0	0	1	5

PKP2	1	0	1	1	0	0	1	0	0	1	5
CHIC1	1	1	0	1	0	0	1	0	0	1	5
PANK1	1	1	0	1	0	0	1	0	0	1	5
PLEK	1	1	0	1	0	0	1	0	0	1	5
PML	1	1	0	1	0	0	1	0	0	1	5
ATP7B	1	1	0	1	0	0	1	0	0	1	5
FAM3B	1	1	0	1	0	0	1	0	0	1	5
GNG2	1	1	0	1	0	0	1	0	0	1	5
GDAP1	1	1	0	1	0	0	1	0	0	1	5
POLR2K	1	1	0	1	0	0	1	0	0	1	5
POMC	1	0	1	1	0	0	1	0	0	1	5
XRN1	1	0	1	1	0	0	1	0	0	1	5
TXNDC10	1	1	0	1	0	0	1	0	0	1	5
RBM47	1	0	0	1	1	1	0	0	0	1	5
POU3F2	1	1	0	1	0	0	1	0	0	1	5
CCNJ	1	0	0	1	1	1	0	0	0	1	5
KIAA1383	1	1	0	1	0	0	1	0	0	1	5
PPARA	1	0	1	1	0	0	1	0	0	1	5
TBC1D13	1	1	0	1	0	0	1	0	0	1	5
TMEM106B	1	0	1	1	0	0	1	0	0	1	5
MARCH5	1	1	0	1	0	0	1	0	0	1	5
EPDR1	1	1	0	1	0	0	1	0	0	1	5
BNC2	1	1	0	1	0	0	1	0	0	1	5
KLHL24	1	1	0	1	0	0	1	0	0	1	5
AFTPH	1	0	0	1	1	1	0	0	0	1	5
BSPRY	1	1	0	1	0	0	1	0	0	1	5
RBM35A	1	1	0	1	0	0	0	0	1	1	5
FAM46C	1	1	0	1	0	0	1	0	0	1	5
PGPEP1	1	1	0	1	0	0	1	0	0	1	5
C9orf167	1	1	0	1	0	0	1	0	0	1	5
C4orf30	1	1	0	1	0	0	1	0	0	1	5
ZCCHC2	1	1	0	1	0	0	1	0	0	1	5
UHRF1BP1	1	1	0	1	0	0	1	0	0	1	5
FLJ20309	0	1	1	1	0	0	1	0	0	1	5
RNF43	1	1	0	1	0	0	1	0	0	1	5
ELOVL2	1	1	0	1	0	0	1	0	0	1	5
CMTM6	1	1	0	1	0	0	1	0	0	1	5
PPL	1	1	0	1	0	0	1	0	1	0	5
OCIAD1	1	0	1	1	0	0	1	0	0	1	5
RNF125	1	1	0	1	0	0	1	0	0	1	5
TRSPAP1	1	1	0	1	0	0	1	0	0	1	5

C1orf27	1	1	0	1	0	0	1	0	0	1	5
FAM120C	1	1	0	1	0	0	1	0	0	1	5
SLC25A38	1	1	0	1	0	0	1	0	0	1	5
C2orf42	1	1	0	1	0	0	1	0	1	0	5
TMCO3	1	1	0	1	0	0	1	0	0	1	5
FLJ20699	1	1	0	1	0	0	1	0	0	1	5
PHIP	1	1	0	1	1	0	1	0	0	0	5
BANK1	1	1	0	1	0	0	1	0	0	1	5
USP47	1	1	0	1	0	0	1	0	0	1	5
NOL8	1	1	0	1	0	0	1	0	0	1	5
CDCA4	1	1	0	1	0	0	1	0	0	1	5
TMEM45A	1	1	0	1	0	0	1	0	0	1	5
IFT57	1	1	0	1	0	0	1	0	0	1	5
C10orf118	1	1	0	1	0	0	1	0	0	1	5
ATG2B	1	1	0	1	0	0	1	0	0	1	5
AGGF1	1	1	0	1	0	0	1	0	0	1	5
LRRC8D	1	1	0	1	1	0	0	0	0	1	5
THAP1	1	1	0	1	0	0	1	0	0	1	5
C12orf35	1	1	0	1	0	0	1	0	0	1	5
P15RS	1	1	0	1	0	0	1	0	0	1	5
APPL2	1	1	0	1	0	0	1	0	0	1	5
PPP2R3A	1	1	0	1	0	0	1	0	0	1	5
UBA6	1	1	0	1	0	0	1	0	0	1	5
TMEM19	1	1	0	1	0	0	1	0	0	1	5
UBE2W	1	1	0	1	0	0	1	0	0	1	5
TMEM40	1	1	0	1	0	0	1	0	0	1	5
SPTLC3	1	1	0	1	0	0	1	0	0	1	5
PEF1	1	1	0	1	0	0	1	0	0	1	5
RFK	1	1	0	1	0	0	1	0	0	1	5
TMEM144	1	1	0	1	0	0	1	0	0	1	5
FLJ11184	1	1	0	1	0	0	1	0	0	1	5
AGPAT5	1	1	0	1	0	0	1	0	0	1	5
C10orf59	1	1	0	1	0	0	1	0	0	1	5
PHCA	1	1	0	1	0	0	1	0	0	1	5
DRAM	1	1	0	1	0	0	1	0	0	1	5
WDR33	1	1	0	1	0	0	1	0	0	1	5
PI4K2A	0	1	0	1	1	0	1	0	0	1	5
HEMGN	1	0	1	1	0	0	1	0	0	1	5
MCM10	1	1	0	1	0	0	1	0	0	1	5
YOD1	1	1	0	1	0	0	1	0	0	1	5
TNFRSF19	1	1	0	1	0	0	1	0	0	1	5

ELAC1	1	1	0	1	0	0	1	0	0	1	5
SOX6	1	0	1	1	0	0	1	0	0	1	5
SOX6	1	0	0	1	1	1	0	0	0	1	5
GALNT10	1	1	0	1	0	0	1	0	0	1	5
C2orf29	1	1	0	1	0	0	1	0	0	1	5
CHRNA9	1	1	0	1	0	0	1	0	0	1	5
ITLN1	1	1	0	1	0	0	1	1	0	0	5
PPP1R9A	1	0	1	1	0	0	1	0	0	1	5
FERMT1	1	1	0	1	0	0	1	0	0	1	5
THUMPD1	1	1	0	1	0	0	1	0	0	1	5
ZDHHC7	1	0	0	1	1	0	1	0	0	1	5
TBC1D22B	1	1	0	1	0	0	1	0	0	1	5
ZNF673	1	1	1	1	0	0	0	0	0	1	5
RAB20	1	1	0	1	0	0	1	1	0	0	5
TMEM127	1	1	0	1	0	0	1	0	0	1	5
DENND4C	1	1	0	1	0	0	1	0	0	1	5
C10orf6	1	1	0	1	0	0	1	0	0	1	5
ENAH	1	1	0	1	0	0	1	0	0	1	5
SEPT11	1	1	0	1	0	0	1	0	0	1	5
TMEM30A	1	1	0	1	0	0	1	0	0	1	5
ZNF701	1	1	0	1	0	0	1	0	0	1	5
H2AFJ	1	1	0	1	0	0	1	0	0	1	5
SCN3B	1	1	0	1	0	0	1	0	0	1	5
DCP1A	1	1	0	1	0	0	1	0	0	1	5
LRP2BP	1	1	0	1	0	0	1	0	0	1	5
ACTR10	1	1	0	1	0	0	1	0	0	1	5
LANCL2	1	1	0	1	0	0	1	0	0	1	5
PRKG1	1	1	0	1	0	0	1	0	0	1	5
SEPT3	1	0	0	1	1	0	1	0	0	1	5
SEPT3	1	1	0	1	1	0	0	0	0	1	5
SLC25A40	1	1	0	1	0	0	1	1	0	0	5
PRKX	1	1	0	1	0	0	1	0	0	1	5
PCDHB6	1	1	0	1	0	0	1	0	0	1	5
PCDHB3	1	1	0	1	0	0	1	0	0	1	5
PCDHA10	0	1	0	1	1	1	0	0	0	1	5
ANKH	1	1	0	1	0	0	1	0	0	1	5
ZNF253	1	1	0	1	0	0	1	0	0	1	5
YLPM1	0	1	1	1	0	0	1	0	0	1	5
RNF20	1	1	0	1	0	0	1	0	0	1	5
WDR45L	1	1	0	1	0	0	1	0	0	1	5
PROX1	1	1	0	1	0	0	1	0	0	1	5

PRMT8	1	1	0	1	0	0	1	0	0	1	5
PSAP	1	1	0	1	1	0	0	0	0	1	5
CYP26B1	1	1	0	1	0	0	1	0	0	1	5
TRIM39	1	1	0	1	1	0	0	0	0	1	5
MUC13	1	1	0	1	0	0	1	0	0	1	5
PSG3	0	1	1	1	0	0	1	0	0	1	5
ZC3HAV1	1	1	0	1	0	0	1	0	0	1	5
AGPAT3	1	1	0	1	0	0	1	0	0	1	5
AGPAT4	1	1	0	1	0	0	1	0	0	1	5
SPIRE1	1	1	1	1	0	0	0	0	0	1	5
DHX33	1	1	0	1	0	0	1	0	0	1	5
C11orf75	1	1	0	1	0	0	1	0	0	1	5
C11orf30	1	1	0	1	0	0	1	0	0	1	5
ACN9	1	1	0	1	0	0	1	0	0	1	5
C12orf5	1	1	0	1	0	0	1	0	0	1	5
PHTF2	1	1	1	1	0	0	0	0	0	1	5
SLC39A10	1	1	0	1	0	0	0	1	0	1	5
KIAA1199	1	1	0	1	0	0	1	0	0	1	5
PTEN	1	1	0	1	0	0	1	0	0	1	5
SENP7	1	1	0	1	1	0	1	0	0	0	5
AICDA	1	1	0	1	0	0	1	0	0	1	5
PTGIS	1	1	0	1	0	0	1	0	0	1	5
C3orf14	1	1	0	1	0	0	1	0	0	1	5
SLC24A3	1	1	0	1	0	0	1	0	0	1	5
NDRG3	1	1	0	1	0	0	1	0	0	1	5
GALNTL1	1	1	0	1	0	0	1	0	0	1	5
FAM40B	1	1	0	1	0	0	1	0	0	1	5
CNOT6	1	1	0	1	0	0	1	0	0	1	5
USP31	0	1	1	1	0	0	1	0	0	1	5
KIAA1211	1	1	0	1	0	0	1	0	0	1	5
COG6	1	1	0	1	0	0	1	0	0	1	5
HECW2	1	1	0	1	0	0	1	0	0	1	5
CASKIN1	1	1	0	1	0	0	1	0	0	1	5
CGN	1	1	0	1	0	0	1	0	0	1	5
NUFIP2	0	1	1	1	0	0	1	0	0	1	5
ARHGAP20	1	1	0	1	0	0	1	0	0	1	5
TRMT5	1	1	0	1	0	0	1	0	0	1	5
KIAA1407	1	1	0	1	0	0	1	0	0	1	5
DIP2B	1	1	0	1	0	0	1	0	0	1	5
KIAA1467	1	1	0	1	0	0	1	0	0	1	5
SHROOM3	1	1	0	1	0	0	1	0	0	1	5

ZBTB2	1	1	0	1	0	0	1	0	0	1	5
ZFAT	1	1	0	1	0	0	1	0	0	1	5
KIAA1486	1	1	0	1	0	0	1	0	0	1	5
DPP10	1	1	0	1	1	0	0	0	0	1	5
DPP10	1	0	0	1	1	0	1	0	0	1	5
GPAM	1	1	0	1	0	0	1	0	0	1	5
ALS2	1	1	0	1	1	0	1	0	0	0	5
CACHD1	1	1	0	1	0	0	1	0	1	0	5
KIAA1576	1	1	0	1	0	0	1	0	0	1	5
USP37	1	1	0	1	0	0	1	0	0	1	5
DDX55	1	1	0	1	0	0	1	0	0	1	5
FANCM	1	1	0	1	0	0	1	0	0	1	5
DENND1A	1	1	0	1	0	0	1	0	0	1	5
KIAA1609	1	1	0	1	0	0	1	0	0	1	5
KIAA1632	1	1	0	1	0	0	1	0	0	1	5
PTPN3	1	1	0	1	0	0	1	0	0	1	5
RBAK	1	1	0	1	0	0	1	0	0	1	5
SLAMF7	1	1	0	1	0	0	1	0	0	1	5
PTPRC	1	1	0	1	0	0	1	0	0	1	5
NKX3-2	1	1	0	1	0	0	1	0	0	1	5
PTPRE	1	1	0	1	0	0	1	0	0	1	5
PURB	0	1	0	1	1	0	1	0	0	1	5
CREBZF	0	1	1	1	0	0	1	0	0	1	5
FAM108C1	1	1	0	1	0	0	1	0	0	1	5
C20orf77	1	1	0	1	0	0	1	0	0	1	5
RAD23B	1	1	0	1	0	0	1	0	0	1	5
RAG1	1	1	0	1	0	0	1	1	0	0	5
RALA	1	1	0	1	0	0	1	0	0	1	5
PLEKHA1	1	1	0	1	0	0	1	0	0	1	5
BCL2	1	1	0	1	0	0	1	0	0	1	5
RFC3	1	1	0	1	0	0	1	0	0	1	5
RFX2	1	1	0	1	0	0	1	0	0	1	5
RGS16	1	1	0	1	0	0	1	0	0	1	5
RNASEL	1	1	0	1	0	0	1	0	0	1	5
RNF6	1	0	1	1	0	0	1	0	0	1	5
C2orf43	1	1	0	1	0	0	1	0	0	1	5
DHX35	1	1	0	1	0	0	1	1	0	0	5
HCN2	1	1	0	1	0	0	1	0	0	1	5
RP2	1	1	0	1	0	0	1	0	0	1	5
RPL15	1	1	0	1	0	0	1	0	0	1	5
RPL28	1	1	0	1	0	0	1	0	0	1	5

RPN2	1	1	0	1	0	0	1	0	0	1	5
ZNF704	1	1	0	1	0	0	1	0	0	1	5
SALL2	1	1	0	1	0	0	1	0	0	1	5
SCN9A	0	1	1	1	0	0	1	0	0	1	5
CCL8	1	1	0	1	0	0	1	0	0	1	5
CCL13	1	1	0	1	0	0	1	0	0	1	5
CXCL5	1	1	0	1	0	0	1	0	0	1	5
SDC2	1	1	0	1	0	0	1	0	0	1	5
PRDM1	1	1	0	1	0	0	1	0	0	1	5
NAPB	1	1	0	1	0	0	1	0	0	1	5
XPNPEP3	1	1	0	1	0	0	1	0	0	1	5
MRPS14	1	1	0	1	0	0	1	0	0	1	5
ZNF667	1	1	0	1	0	0	1	0	0	1	5
PRDM15	1	1	0	1	0	0	1	0	0	1	5
CDH23	1	1	0	1	0	0	1	0	0	1	5
XYLT1	1	1	0	1	0	0	1	0	0	1	5
NCAPG	1	1	0	1	0	0	1	0	0	1	5
NECAB1	1	1	0	1	0	0	1	0	0	1	5
SPATA1	0	1	1	1	0	0	1	0	0	1	5
C14orf4	0	1	0	1	1	0	1	0	0	1	5
PDLIM2	1	1	0	1	0	0	1	0	0	1	5
SFRP4	1	1	0	1	0	0	1	0	0	1	5
DKFZP686E2158	1	1	0	1	0	0	1	0	0	1	5
SOX17	1	1	0	1	0	0	1	0	0	1	5
HHIP	1	1	0	1	0	0	1	0	0	1	5
CENTD3	1	1	0	1	0	0	1	0	0	1	5
C5orf28	1	1	0	1	0	0	1	0	0	1	5
MRPS25	1	1	0	1	0	0	1	0	0	1	5
NOM1	1	1	0	1	0	0	1	0	0	1	5
SCG5	1	0	0	1	0	0	1	0	1	1	5
C15orf56	1	1	0	1	0	0	1	0	0	1	5
ITSN1	1	1	0	1	0	0	1	0	0	1	5
GIGYF1	1	1	0	1	0	0	1	0	0	1	5
SHB	1	1	0	1	0	0	1	0	0	1	5
ATPAF1	1	1	0	1	0	0	1	0	0	1	5
CREB3L2	1	1	0	1	0	0	1	0	0	1	5
ARV1	1	1	0	1	0	0	1	1	0	0	5
IL25	1	0	1	1	0	0	1	0	0	1	5
YTHDC2	1	1	0	1	0	0	1	0	0	1	5
SLA	1	0	1	1	0	0	1	0	0	1	5

SLC1A2	1	1	0	1	0	0	1	0	0	1	5
SLC2A1	0	1	1	1	0	0	1	0	0	1	5
PCDH15	0	0	1	1	0	0	1	0	1	1	5
ZNF649	1	1	0	1	0	0	1	0	0	1	5
SLC7A1	1	1	0	1	0	0	1	0	0	1	5
BMP8B	1	1	0	1	0	0	1	0	0	1	5
SLC22A3	1	1	0	1	0	0	1	0	0	1	5
SLC22A2	1	1	0	1	0	0	1	0	0	1	5
SLN	1	1	0	1	0	0	1	0	0	1	5
HLTF	1	1	0	1	0	0	1	0	0	1	5
BOLL	1	0	1	1	0	0	1	0	0	1	5
SUMO3	1	1	0	1	0	0	1	0	0	1	5
SIGLEC1	1	1	0	1	0	0	1	0	0	1	5
SNX1	1	1	0	1	0	0	1	0	0	1	5
SNTB2	1	1	0	1	0	0	1	0	0	1	5
SOS1	1	1	1	1	0	0	0	0	0	1	5
SOX5	1	0	0	1	1	1	0	0	0	1	5
SP1	1	1	0	1	0	0	1	0	0	1	5
SPTBN1	1	1	0	1	0	0	1	0	0	1	5
SRF	1	1	0	1	0	0	1	0	0	1	5
SSB	1	1	1	1	0	0	1	0	0	0	5
STAT3	1	1	0	1	0	0	1	0	0	1	5
STK4	1	1	0	1	0	0	1	0	0	1	5
VAMP1	1	1	0	1	0	0	1	1	0	0	5
KLF9	1	1	0	1	0	0	1	0	0	1	5
TAP2	1	1	1	1	0	0	0	0	0	1	5
TBXA2R	1	1	1	1	0	0	1	0	0	0	5
HNF1B	1	1	0	1	0	0	1	0	0	1	5
C2orf3	1	0	1	1	0	0	1	0	0	1	5
ACTC1	1	1	0	1	0	0	1	0	0	1	5
TEAD1	1	1	0	1	0	0	1	0	0	1	5
TFPI	1	1	0	1	0	0	1	0	0	1	5
TFRC	1	0	1	1	0	0	1	0	0	1	5
TGFA	0	1	0	1	0	0	1	1	0	1	5
TGFBR2	1	1	0	1	0	0	1	0	0	1	5
TGFBR3	1	1	0	1	0	0	1	1	0	0	5
TIAL1	1	1	0	1	0	0	1	0	0	1	5
TLOC1	1	1	0	1	0	0	1	0	0	1	5
TMEM1	1	1	0	1	0	0	1	0	0	1	5
TMPRSS2	1	0	1	1	0	0	1	0	0	1	5
TPD52	1	1	0	1	0	0	1	0	0	1	5

TRAF1	1	1	0	1	0	0	1	0	0	1	5
TRPC1	1	1	0	1	0	0	1	0	0	1	5
TRPC6	1	1	0	1	0	0	1	0	0	1	5
TUB	1	1	0	1	0	0	1	0	0	1	5
TXK	1	1	0	1	0	0	1	0	0	1	5
UBE2A	1	0	1	1	0	0	1	0	0	1	5
USH2A	1	1	0	1	0	0	1	0	0	1	5
UVRAG	1	1	0	1	0	0	1	0	0	1	5
VCAM1	1	1	0	1	0	0	1	0	0	1	5
VIPR2	1	1	0	1	0	0	1	0	0	1	5
WFS1	1	1	0	1	0	0	1	0	0	1	5
WHSC1	1	1	0	1	0	0	1	0	0	1	5
WNT11	1	1	0	1	1	0	1	0	0	0	5
LOC751071	1	1	0	1	0	0	1	0	0	1	5
YWHAB	1	1	0	1	0	0	1	0	0	1	5
SF1	1	1	0	1	0	0	1	0	0	1	5
ZFX	1	1	0	1	0	0	1	0	0	1	5
ZFY	1	1	0	1	0	0	1	0	1	0	5
ZNF33B	1	1	0	1	0	0	1	0	0	1	5
ZKSCAN1	1	1	0	1	0	0	1	0	0	1	5
ZNF37A	1	0	1	1	0	0	1	0	0	1	5
CA3	1	1	0	1	0	0	1	0	0	1	5
ZNF75	1	1	0	1	0	0	1	0	0	1	5
CA8	1	1	0	1	0	0	1	0	0	1	5
ZNF131	1	1	0	1	0	0	1	0	0	1	5
ZNF175	1	1	0	1	0	0	1	0	0	1	5
ZNF207	1	1	0	1	0	0	1	0	0	1	5
ZNF229	1	1	0	1	0	0	1	0	0	1	5
ZNF236	1	1	0	1	0	0	1	0	0	1	5
LRP8	1	1	0	1	0	0	1	0	0	1	5
EVI5	1	1	0	1	0	0	1	0	0	1	5
CACNB2	1	0	0	1	1	0	1	0	0	1	5
CACNB2	1	1	0	1	1	0	0	0	0	1	5
SLMAP	1	1	0	1	0	0	1	0	0	1	5
OTUB2	1	1	0	1	0	0	1	0	0	1	5
ZNF655	1	0	1	1	0	0	1	0	0	1	5
SECISBP2	1	1	0	1	0	0	1	0	0	1	5
REEP5	1	1	0	1	0	0	1	0	0	1	5
TRPM8	1	1	0	1	0	0	1	0	0	1	5
C1orf50	1	1	0	1	0	0	1	0	0	1	5
C19orf42	1	1	0	1	0	0	1	0	0	1	5

C1orf116	1	1	0	1	0	0	1	0	0	1	5
FCRL2	1	1	0	1	0	0	1	1	0	0	5
C4orf15	1	1	1	1	0	0	1	0	0	0	5
RNF128	1	1	0	1	0	0	1	0	0	1	5
MUL1	1	1	0	1	0	0	1	0	0	1	5
FAM118B	1	1	0	1	0	0	1	0	1	0	5
RIC3	1	1	0	1	0	0	1	0	0	1	5
ACSS3	1	1	0	1	0	0	1	0	0	1	5
PANK3	1	1	0	1	0	0	1	0	0	1	5
DYNC2H1	0	1	1	1	0	0	1	0	0	1	5
ZNF329	0	1	1	1	0	0	1	0	0	1	5
ZYG11B	1	1	0	1	0	0	1	0	0	1	5
NOL9	1	1	0	1	0	0	1	0	0	1	5
CCDC51	1	1	0	1	0	0	1	0	0	1	5
PPCS	1	1	0	1	0	0	1	0	0	1	5
TBL1XR1	0	1	1	1	0	0	1	0	0	1	5
TTLL7	1	1	0	1	0	0	1	0	0	1	5
ZNF419	1	1	0	1	0	0	1	0	0	1	5
ZNF750	1	1	0	1	0	0	1	0	0	1	5
ALG9	1	0	1	1	0	0	1	0	0	1	5
VASH2	1	1	0	1	0	0	1	0	0	1	5
GSTCD	1	0	1	1	0	0	1	0	0	1	5
NPAL2	1	1	0	1	0	0	1	0	0	1	5
ZMYM1	1	1	0	1	0	0	1	0	0	1	5
PIP4K2C	1	1	0	1	0	0	1	0	0	1	5
TUBAL3	1	1	0	1	0	0	1	0	0	1	5
THSD4	1	1	0	1	0	0	1	0	0	1	5
ZNF212	1	1	0	1	0	0	1	0	0	1	5
MAP9	1	1	0	1	0	0	1	0	0	1	5
LPCAT1	1	1	0	1	0	0	1	0	0	1	5
C10orf119	1	1	0	1	0	0	1	0	0	1	5
FLJ14213	1	1	0	1	0	0	1	0	0	1	5
UBXD6	1	1	0	1	0	0	1	0	0	1	5
SLC35E1	1	1	0	1	0	0	1	0	0	1	5
C7orf58	1	1	0	1	0	0	1	0	0	1	5
NIP30	1	1	0	1	0	0	1	0	0	1	5
PANK2	1	1	0	1	0	0	1	0	0	1	5
TRPM3	1	1	0	1	0	0	1	0	0	1	5
C2orf37	1	1	0	1	0	0	1	0	0	1	5
VCPIP1	1	1	0	1	0	0	1	0	0	1	5
C6orf97	1	1	0	1	0	0	1	0	0	1	5

NR4A3	1	0	0	1	1	1	0	0	0	1	5
PQLC1	1	1	0	1	0	0	1	0	0	1	5
IFT74	1	0	1	1	0	0	1	0	1	0	5
SPSB1	1	1	0	1	0	0	1	0	0	1	5
RNF34	1	1	0	1	1	0	0	0	0	1	5
CCDC92	1	1	0	1	0	0	1	0	0	1	5
TM2D3	1	1	0	1	0	0	1	1	0	0	5
COQ10B	1	1	0	1	0	0	1	0	0	1	5
LHX3	1	1	0	1	0	0	1	0	0	1	5
WDR26	1	1	0	1	0	0	1	0	0	1	5
C16orf70	1	1	0	1	0	0	1	0	0	1	5
CCDC6	1	1	0	1	0	0	1	0	0	1	5
ZKSCAN3	0	1	1	1	0	0	1	0	0	1	5
WDR82	1	1	0	1	0	0	1	0	0	1	5
WDR23	1	0	0	1	0	0	1	1	0	1	5
CSRP3	1	1	0	1	0	0	1	0	0	1	5
THSD7B	1	1	0	1	0	0	1	0	0	1	5
ITIH5	1	1	0	1	0	0	1	0	0	1	5
WNT5B	1	1	0	1	0	0	1	0	0	1	5
ZBP1	1	1	0	1	0	0	1	0	0	1	5
OR51E2	1	1	0	1	0	0	1	0	0	1	5
GAN	1	1	0	1	0	0	1	0	0	1	5
SYNC1	1	1	0	1	0	0	1	0	0	1	5
COL21A1	1	1	0	1	1	0	1	0	0	0	5
SNX27	1	1	0	1	0	0	1	0	0	1	5
COIL	1	1	0	1	0	0	1	0	0	1	5
CCNL2	0	1	1	1	0	0	1	0	0	1	5
CAMK2G	1	0	0	1	1	1	0	0	0	1	5
CAMK2G	1	0	0	1	1	1	0	0	0	1	5
CAMK2G	1	0	0	1	1	1	0	0	0	1	5
ST6GALNAC5	1	1	0	1	0	0	1	0	0	1	5
LAS1L	1	1	0	1	0	0	1	0	0	1	5
NCOA3	1	1	0	1	0	0	1	0	0	1	5
HDHD1A	1	0	1	1	0	0	1	0	0	1	5
SMC1A	1	1	0	1	0	0	1	0	0	1	5
UBL4A	1	1	0	1	0	0	1	0	0	1	5
CAPZA2	1	1	0	1	0	0	1	0	0	1	5
BRAP	1	1	1	1	0	0	0	0	1	0	5
FCRL5	1	1	0	1	0	0	1	0	0	1	5
RAB33B	1	1	0	1	0	0	1	0	0	1	5
CASP2	1	1	0	1	0	0	1	0	0	1	5

TMEM47	1	1	0	1	0	0	1	0	0	1	5
AMMECR1L	1	1	0	1	0	0	1	0	0	1	5
C19orf12	1	0	1	1	0	0	1	0	0	1	5
FAM107B	1	1	0	1	0	0	1	0	0	1	5
C8orf13	1	1	0	1	0	0	1	0	0	1	5
CRISPLD1	1	1	0	1	0	0	1	0	0	1	5
FRMD8	1	1	0	1	0	0	1	0	0	1	5
SYT16	1	1	0	1	0	0	1	0	0	1	5
TMTC1	1	1	0	1	0	0	1	0	0	1	5
TTLL2	1	1	0	1	0	0	1	0	0	1	5
KCTD10	1	1	0	1	0	0	1	0	0	1	5
TMEM133	1	1	0	1	1	0	1	0	0	0	5
PIP4K2B	1	1	0	1	0	0	1	0	0	1	5
ANKRD27	1	1	0	1	0	0	1	0	0	1	5
ULK1	1	1	0	1	0	0	1	0	0	1	5
ZNRF3	1	1	0	1	0	0	1	0	0	1	5
SLC7A6OS	1	1	0	1	0	0	1	0	0	1	5
ZDHHC18	1	1	0	1	0	0	1	0	0	1	5
MED10	1	1	0	1	0	0	1	0	0	1	5
SLC37A3	1	1	0	1	0	0	1	0	0	1	5
HSDL2	1	1	0	1	0	0	1	0	0	1	5
YIPF4	1	1	0	1	0	0	1	0	0	1	5
STK24	1	1	0	1	0	0	1	0	0	1	5
BRMS1L	1	1	0	1	0	0	1	0	1	0	5
PCGF5	1	1	0	1	0	0	1	0	0	1	5
SOAT2	1	1	0	1	0	0	1	0	0	1	5
KIAA1826	1	1	0	1	0	0	1	0	0	1	5
LCOR	1	1	0	1	0	0	1	0	0	1	5
BTBD12	1	1	0	1	0	0	1	0	0	1	5
MEGF11	1	1	0	1	0	0	1	0	0	1	5
ZNF527	0	1	1	1	0	0	1	0	0	1	5
C14orf142	1	1	0	1	0	0	1	0	0	1	5
KIAA1853	1	1	0	1	0	0	1	0	0	1	5
ACSS1	1	1	0	1	0	0	1	0	0	1	5
KBTBD8	1	1	0	1	0	0	1	0	0	1	5
TMEM185A	1	1	0	1	0	0	1	0	0	1	5
PARD6G	1	1	0	1	0	0	1	0	0	1	5
KLF11	1	1	0	1	0	0	1	0	0	1	5
TTBK1	1	1	0	1	0	0	1	0	0	1	5
CCDC62	1	1	0	1	0	0	1	0	0	1	5
GPT2	1	1	0	1	0	0	1	1	0	0	5

FCRLA	1	1	0	1	0	0	1	0	0	1	5
MINA	1	0	1	1	0	0	1	0	0	1	5
RPUSD4	1	1	0	1	0	0	1	0	0	1	5
C9orf100	1	1	0	1	0	0	1	0	0	1	5
SLC35B4	1	1	0	1	0	0	1	0	0	1	5
ZNF587	1	1	0	1	0	0	1	0	0	1	5
LRP11	1	1	0	1	0	0	1	0	0	1	5
FIBCD1	1	1	0	1	0	0	1	0	0	1	5
RAB2B	1	1	0	1	0	0	1	0	0	1	5
RANBP3	1	1	0	1	0	0	1	0	0	1	5
ARHGAP19	1	1	0	1	0	0	1	1	0	0	5
C18orf45	1	1	0	1	0	0	1	0	0	1	5
DDO	1	1	0	1	0	0	1	0	0	1	5
KRTAP4-5	1	1	0	1	0	0	1	0	0	1	5
CYP4F2	1	1	0	1	0	0	1	0	0	1	5
CSDA	1	1	0	1	1	0	1	0	0	0	5
ALG2	1	1	0	1	0	0	1	0	0	1	5
EAF1	1	1	0	1	0	0	1	0	0	1	5
ZIC5	1	1	0	1	0	0	1	0	0	1	5
CGGBP1	1	1	0	1	1	0	0	0	0	1	5
ZNF518B	1	1	0	1	0	0	1	0	0	1	5
FHDC1	1	1	0	1	0	0	1	0	0	1	5
SELI	1	1	0	1	0	0	1	0	0	1	5
CDC14A	1	1	0	1	0	0	1	0	0	1	5
PDXK	1	1	0	1	0	0	1	0	0	1	5
CASK	1	1	1	1	0	0	1	0	0	0	5
GTPBP10	1	1	0	1	0	0	1	0	0	1	5
ACTL6A	1	0	0	1	1	0	1	0	0	1	5
TNFSF11	1	1	0	1	1	0	0	0	0	1	5
SLC25A12	1	1	0	1	0	0	1	0	0	1	5
KCNK5	1	1	0	1	0	0	1	0	0	1	5
DDX3Y	1	0	1	1	0	0	0	1	0	1	5
CBL	1	1	0	1	0	0	1	0	0	1	5
SLC4A4	1	1	0	1	0	0	1	0	0	1	5
STX11	1	1	0	1	0	0	1	0	0	1	5
GALNT4	0	1	1	1	0	0	1	0	0	1	5
NOL4	1	1	0	1	0	0	1	0	0	1	5
SNX4	1	1	0	1	0	0	1	0	0	1	5
C19orf2	1	1	0	1	0	0	1	0	0	1	5
EED	1	1	0	1	1	0	0	0	0	1	5
ADAM9	1	1	0	1	1	0	1	0	0	0	5

MTMR1	1	1	0	1	0	0	1	0	0	1	5
CCNK	0	1	1	1	0	0	1	0	0	1	5
CCNK	0	1	0	1	1	1	0	0	0	1	5
WDR22	1	1	0	1	0	0	1	0	0	1	5
AKAP4	1	1	0	1	0	0	1	0	0	1	5
PRPF4B	1	1	0	1	0	0	1	0	0	1	5
HERC3	1	1	0	1	0	0	1	0	0	1	5
BSN	1	1	0	1	0	0	1	0	0	1	5
MBD4	1	1	0	1	0	0	1	0	0	1	5
AP3D1	1	1	0	1	0	0	1	0	0	1	5
BTRC	1	1	0	1	0	0	1	0	0	1	5
P4HA2	1	0	0	1	0	0	1	0	1	1	5
NAV1	1	1	0	1	0	0	1	0	0	1	5
SEC16B	1	1	0	1	0	0	1	0	0	1	5
STBD1	1	1	0	1	0	0	1	0	0	1	5
KBTBD6	1	1	0	1	0	0	1	0	0	1	5
CCNF	1	1	0	1	0	0	1	0	0	1	5
LIMD1	1	1	0	1	0	0	1	0	0	1	5
KALRN	1	1	0	1	0	0	1	0	0	1	5
CDKL2	1	1	0	1	0	0	1	0	0	1	5
CCNG1	1	0	1	1	0	0	1	0	0	1	5
UBE2CBP	0	1	0	1	0	0	1	1	0	1	5
TAF1A	0	1	1	1	0	0	1	0	0	1	5
SEMA5A	1	1	0	1	0	0	1	0	0	1	5
LYRM7	1	1	0	1	0	0	1	0	0	1	5
SYT7	1	1	0	1	0	0	1	0	0	1	5
IL33	1	1	0	1	0	0	1	0	0	1	5
USP14	1	1	0	1	0	0	1	0	0	1	5
ACVR1B	1	1	0	1	0	0	1	0	0	1	5
MTMR6	1	1	0	1	0	0	1	0	0	1	5
CDKN2AIPNL	0	1	1	1	0	0	1	0	0	1	5
CBFA2T2	1	0	0	1	1	0	1	0	0	1	5
RASL10B	1	1	0	1	0	0	1	0	0	1	5
ZNF765	1	1	0	1	0	0	1	0	0	1	5
SFRS2IP	1	1	0	1	0	0	1	0	0	1	5
YTHDC1	1	0	0	1	1	1	0	0	0	1	5
ARHGEF2	1	0	0	1	1	0	1	1	0	0	5
DDX21	1	1	0	1	0	0	1	0	0	1	5
FAM58A	1	1	0	1	0	0	1	0	0	1	5
GLYATL1	1	1	0	1	0	0	1	0	0	1	5
PNMA1	0	1	1	1	0	0	1	0	0	1	5

CACNA2D2	1	0	0	1	1	0	1	0	0	1	5
MOBKL1A	1	1	0	1	0	0	1	0	0	1	5
CCDC102A	1	1	0	1	0	0	1	0	0	1	5
PERLD1	1	1	0	1	0	0	1	0	0	1	5
B4GALT6	1	1	0	1	0	0	1	0	0	1	5
KL	1	1	0	1	0	0	1	0	0	1	5
SLC9A3R1	1	1	0	1	0	0	1	0	0	1	5
ADIPOQ	1	1	0	1	0	0	1	0	0	1	5
KIF3B	1	1	0	1	0	0	1	0	0	1	5
NRXN1	1	0	0	1	1	1	0	0	0	1	5
CIAO1	1	1	0	1	0	0	1	0	0	1	5
TGFBRAP1	1	0	1	1	0	0	1	0	0	1	5
ACVRL1	1	0	0	1	0	0	1	0	1	1	5
ZRANB2	1	1	0	1	0	0	1	0	0	1	5
TMPRSS11D	1	1	0	1	0	0	1	0	0	1	5
SFXN5	1	1	0	1	0	0	1	0	0	1	5
ZNF264	1	1	0	1	0	0	1	0	0	1	5
H2AFV	0	1	1	1	0	0	1	0	0	1	5
MED26	1	1	0	1	0	0	1	0	0	1	5
QKI	1	1	0	1	0	0	1	0	0	1	5
HAND2	1	1	0	1	0	0	1	0	0	1	5
AKAP7	1	0	0	1	1	1	0	0	0	1	5
AKAP7	1	0	0	1	1	1	0	0	0	1	5
PCYT1B	1	1	0	1	0	0	1	0	0	1	5
AKAP5	0	1	1	1	0	0	1	0	0	1	5
SLC4A7	1	1	0	1	0	0	1	0	0	1	5
BAG5	1	1	0	1	0	0	1	0	0	1	5
H6PD	1	1	0	1	0	0	1	0	0	1	5
TSGA14	1	1	0	1	0	0	1	0	0	1	5
CD48	0	1	1	1	0	0	1	0	0	1	5
CD59	1	1	0	1	0	0	0	1	0	1	5
CEP135	1	1	0	1	0	0	1	0	0	1	5
EDEM1	1	1	0	1	0	0	1	0	0	1	5
USP6NL	1	1	0	1	0	0	1	0	0	1	5
SEC14L5	1	1	0	1	0	0	1	0	0	1	5
SEMA3E	1	1	0	1	0	0	1	0	0	1	5
KIAA0408	1	1	0	1	0	0	1	0	0	1	5
CP110	1	1	0	1	0	0	1	0	0	1	5
PCDHA9	1	1	0	1	0	0	1	0	0	1	5
PCDHA9	0	1	0	1	1	1	0	0	0	1	5
ZFYVE16	1	0	1	1	0	0	1	0	0	1	5

RASSF2	1	0	1	1	0	0	1	0	0	1	5
SERTAD2	1	1	0	1	0	0	1	0	0	1	5
KIAA0494	1	1	0	1	0	0	1	0	0	1	5
GIT2	1	1	0	1	0	0	1	0	0	1	5
SPATA2	1	1	0	1	0	0	1	0	0	1	5
ZBTB24	1	1	0	1	0	0	1	0	0	1	5
GAB2	1	0	0	1	0	0	1	1	0	1	5
MFAP3L	1	1	0	1	0	0	1	0	0	1	5
CEP350	1	1	0	1	0	0	1	0	0	1	5
PJA2	1	1	0	1	0	0	1	0	0	1	5
DDX46	1	1	0	1	0	0	1	0	0	1	5
LBA1	1	1	0	1	0	0	1	0	0	1	5
SMG7	1	1	0	1	0	0	1	0	0	1	5
SV2A	1	1	0	1	0	0	1	0	0	1	5
G3BP2	1	0	0	1	1	1	0	0	0	1	5
G3BP2	1	0	0	1	1	1	0	0	0	1	5
KBTBD11	1	1	0	1	0	0	1	0	0	1	5
HELZ	1	1	0	1	0	0	1	0	0	1	5
RBM8A	1	1	0	1	0	0	1	0	0	1	5
HS3ST3A1	1	1	0	1	0	0	1	0	0	1	5
HS3ST2	1	1	0	1	0	0	1	0	0	1	5
SLC23A2	1	1	0	1	0	0	1	0	0	1	5
TNFSF15	1	1	0	1	0	0	1	0	0	1	5
REC8	1	1	0	1	0	0	1	0	0	1	5
ROD1	1	0	1	1	0	0	1	0	0	1	5
DGCR2	1	1	0	1	0	0	1	0	0	1	5
SFRS14	1	1	1	0	0	0	1	0	0	1	5
ARL6IP5	1	1	1	0	0	0	1	0	0	1	5
CTCF	1	1	0	0	1	0	1	0	0	1	5
SEC24A	1	1	1	0	0	0	1	0	0	1	5
OSBPL1A	1	1	0	0	0	0	1	0	1	1	5
DIS3L	1	0	0	0	0	0	1	1	1	1	5
ZNF441	1	1	1	0	0	0	1	0	0	1	5
NLRP8	1	1	0	0	0	0	1	1	0	1	5
ZFP28	1	1	1	0	0	0	1	0	0	1	5
ZNF563	1	1	1	0	0	0	1	0	0	1	5
ZNF558	1	1	0	0	0	0	1	1	0	1	5
C5orf41	1	1	1	0	0	0	1	0	0	1	5
TRDMT1	1	1	1	0	0	0	1	0	0	1	5
ZNF626	1	1	1	0	0	0	1	0	0	1	5
KIAA2018	1	1	0	0	0	0	1	0	1	1	5

SAMD9L	1	1	1	0	0	0	1	0	0	1	5
PALLD	1	1	0	0	1	0	1	0	0	1	5
TRIM2	1	1	0	0	1	1	0	0	0	1	5
SLC7A11	1	1	1	0	0	0	1	0	0	1	5
FUCA1	1	1	1	0	0	0	1	0	0	1	5
ARMC8	1	1	0	0	0	0	1	0	1	1	5
MRPL13	1	1	1	0	0	0	1	0	0	1	5
HMBS	1	1	0	0	0	0	1	0	1	1	5
FREM2	1	1	0	0	0	0	1	1	0	1	5
ITGA2	1	1	1	0	0	0	1	0	0	1	5
NFIB	1	1	1	0	0	0	1	0	0	1	5
CDON	1	1	1	0	0	0	1	0	0	1	5
TMED5	1	1	0	0	1	0	1	0	0	1	5
KCTD3	1	1	1	0	0	0	1	0	0	1	5
PDK4	1	1	0	0	1	0	1	0	0	1	5
DDIT4	1	1	1	0	0	0	1	0	0	1	5
PPP1CB	1	0	0	0	1	1	1	0	0	1	5
MAGOHB	1	1	1	0	0	0	1	0	0	1	5
LGI2	1	1	1	0	0	0	1	0	0	1	5
DNAJA4	1	1	1	0	0	0	1	0	0	1	5
ETNK1	1	1	0	0	0	0	1	0	1	1	5
FAM46A	1	1	0	0	0	0	1	1	0	1	5
NPAL3	1	1	0	0	0	0	1	1	0	1	5
HEG1	1	1	0	0	0	0	1	1	0	1	5
BCHE	1	1	1	0	0	0	1	0	0	1	5
SFRS7	1	1	1	0	0	0	1	0	0	1	5
CCDC14	1	1	1	0	0	0	1	0	0	1	5
WNK1	1	1	1	0	0	0	1	0	0	1	5
TAF5	1	1	0	0	1	0	1	0	0	1	5
THBS4	1	1	0	0	0	0	1	0	1	1	5
WHSC2	1	1	1	0	0	0	1	0	0	1	5
ZNF74	1	1	1	0	0	0	1	0	0	1	5
ZNF136	1	1	1	0	0	0	1	0	0	1	5
ZNF140	1	1	1	0	0	0	1	0	0	1	5
NARG1L	1	1	0	0	0	0	1	0	1	1	5
C15orf29	1	1	1	0	0	0	1	0	0	1	5
ZNF606	1	1	1	0	0	0	1	0	0	1	5
SGPP1	1	1	0	0	1	0	1	0	0	1	5
B3GNT5	1	1	1	0	0	0	1	0	0	1	5
ZNF644	1	1	0	0	1	1	1	0	0	0	5
ZNF559	1	1	1	0	0	0	1	0	0	1	5

RGS5	1	1	1	0	0	0	1	0	0	1	5
C12orf34	1	1	0	0	1	1	1	0	0	0	5
STC2	1	1	1	0	0	0	1	0	0	1	5
CCNB1	1	1	1	0	0	0	1	0	0	1	5
REPS2	1	1	1	0	0	0	1	0	0	1	5
SLC24A1	1	1	1	0	0	0	1	0	0	1	5
CD163	1	1	0	0	1	0	1	0	0	1	5
NRXN3	1	1	0	0	1	0	1	0	0	1	5
ZNF592	1	1	1	0	0	0	1	0	0	1	5
FAM53B	1	1	0	0	0	0	1	1	0	1	5
HERPUD1	1	1	0	0	1	1	1	0	0	0	5
DNAJC6	1	1	0	0	0	0	1	1	0	1	5
JARID1A	0	1	1	0	1	0	1	0	0	1	5
RGS2	0	1	0	0	0	0	1	1	1	1	5
ABI1	1	1	0	1	0	0	0	0	0	1	4
KCNE3	1	1	0	1	0	0	0	0	0	1	4
ZBTB33	1	1	0	1	0	0	0	0	0	1	4
BCL2L11	1	0	0	1	1	0	0	0	0	1	4
SH2B3	1	1	0	1	0	0	0	0	0	1	4
HMG2L1	1	1	0	1	0	0	0	0	0	1	4
SH2D3C	1	1	0	1	1	0	0	0	0	0	4
GJC1	1	1	0	1	0	0	0	0	0	1	4
ACTR2	1	1	0	1	0	0	0	0	0	1	4
CLEC3A	1	1	0	1	0	0	0	0	0	1	4
FAM13A1	1	1	0	1	0	0	0	0	0	1	4
SFRS14	1	1	0	1	0	0	0	0	0	1	4
GPR64	1	1	0	1	0	0	0	0	0	1	4
ABI2	1	1	0	1	0	0	0	0	0	1	4
ZNF197	1	1	0	1	0	0	0	0	0	1	4
CALCRL	1	1	0	1	0	0	0	0	0	1	4
TRIM13	1	0	0	1	1	1	0	0	0	0	4
TRIM13	1	0	0	1	1	1	0	0	0	0	4
TRIM13	1	0	0	1	1	1	0	0	0	0	4
INADL	1	1	0	1	0	0	0	0	0	1	4
CTDSPL	1	1	0	1	0	0	0	0	0	1	4
CDK8	1	1	0	1	0	0	0	0	0	1	4
KCNMB2	1	1	0	1	0	0	0	0	0	1	4
CDKN1B	1	1	0	1	0	0	0	0	0	1	4
EFS	1	1	0	1	0	0	0	0	0	1	4
PRSS16	1	1	0	1	0	0	0	0	0	1	4
PAK4	1	1	0	1	0	0	0	0	0	1	4

ADAR	1	1	0	1	0	0	0	0	0	1	4
CDKN3	1	1	0	1	0	0	0	0	0	1	4
PCGF3	1	1	0	1	0	0	0	0	0	1	4
CDR2	1	1	0	1	0	0	0	0	0	1	4
DLC1	1	1	0	1	0	0	0	0	0	1	4
ATP8A1	1	1	0	1	0	0	0	0	0	1	4
ADARB1	1	0	0	1	1	0	0	0	0	1	4
PGRMC2	1	1	0	1	0	0	0	0	0	1	4
TIMM17A	1	1	0	1	0	0	0	0	0	1	4
MERTK	1	1	0	1	0	0	0	0	0	1	4
SLC9A6	1	1	0	1	0	0	0	0	0	1	4
SLC9A6	1	0	0	1	1	0	0	0	0	1	4
CRTAP	1	1	0	1	0	0	0	0	0	1	4
ENOX2	1	1	0	1	0	0	0	0	0	1	4
SEMA4F	1	1	0	1	0	0	0	0	0	1	4
SEMA3C	1	1	0	1	0	0	0	0	0	1	4
HYOU1	1	1	0	1	0	0	0	0	0	1	4
NEBL	1	1	0	1	0	0	0	0	0	1	4
CEBPG	1	1	0	1	0	0	0	0	0	1	4
PROCR	1	1	0	1	0	0	0	0	0	1	4
AGPAT1	1	0	0	1	1	0	0	0	0	1	4
SPTLC1	1	1	0	1	0	0	0	0	0	1	4
SPTLC1	1	1	0	1	0	0	0	0	0	1	4
SLC19A2	1	1	0	1	0	0	0	0	0	1	4
MAB21L2	1	1	0	1	0	0	0	0	0	1	4
POLR3F	1	1	0	1	0	0	0	0	0	1	4
POLR3G	1	1	0	1	0	0	0	0	0	1	4
EXOC5	1	1	0	1	0	0	0	0	0	1	4
MTX2	1	1	0	1	0	0	0	0	0	1	4
CUGBP2	1	1	0	1	0	0	0	0	0	1	4
RRAGA	1	1	0	1	1	0	0	0	0	0	4
FUT9	1	1	0	1	0	0	0	0	0	1	4
CETN3	1	1	0	1	0	0	0	0	0	1	4
C1orf2	1	0	0	1	1	0	0	0	0	1	4
POLQ	1	1	0	1	0	0	0	0	0	1	4
NFAT5	1	0	0	1	1	0	0	0	0	1	4
NFAT5	1	0	0	1	1	0	0	0	0	1	4
NFAT5	1	0	0	1	1	0	0	0	0	1	4
CFL2	1	1	0	1	0	0	0	0	0	1	4
TCFL5	1	1	0	1	0	0	0	0	0	1	4
NUP50	1	1	0	1	0	0	0	0	0	1	4

JARID1B	1	1	0	1	0	0	0	0	0	1	4
HBS1L	1	1	0	1	0	0	0	0	0	1	4
GJB6	1	1	0	1	0	0	0	0	0	1	4
FRS2	1	1	0	1	0	0	0	0	0	1	4
ADAM28	1	1	0	1	0	0	0	0	0	1	4
NPFFR2	1	1	0	1	0	0	0	0	0	1	4
GPR83	1	1	0	1	0	0	0	0	0	1	4
MALT1	1	1	0	1	0	0	0	0	0	1	4
BLCAP	1	1	0	1	0	0	0	0	0	1	4
EDAR	1	1	0	1	0	0	0	0	0	1	4
SPIN1	1	1	0	1	0	0	0	0	0	1	4
PRDX3	1	1	0	1	0	0	0	0	0	1	4
PNRC1	1	1	0	1	0	0	0	0	0	1	4
RAB40B	1	1	0	1	0	0	0	0	0	1	4
CKAP4	1	1	0	1	0	0	0	0	0	1	4
TMED10	1	1	0	1	0	0	0	0	0	1	4
METAP2	1	1	0	1	0	0	0	0	0	1	4
KIF2C	1	1	0	1	0	0	0	0	0	1	4
TLK2	1	1	0	1	0	0	0	0	0	1	4
KDELR2	1	1	0	1	0	0	0	0	0	1	4
KDELR2	1	1	0	1	0	0	0	0	0	1	4
KDELR3	1	1	0	1	0	0	0	0	0	1	4
RCBTB2	1	1	0	1	0	0	0	0	0	1	4
POLS	1	1	0	1	0	0	0	0	0	1	4
NUDT21	1	1	0	1	0	0	0	0	0	1	4
DDX52	1	1	0	1	0	0	0	0	0	1	4
RAPGEF4	1	1	0	1	0	0	0	0	0	1	4
TOPBP1	1	1	0	1	0	0	0	0	0	1	4
TPPP	1	1	0	1	0	0	0	0	0	1	4
DIDO1	1	1	0	1	0	0	0	0	0	1	4
ADAMTS8	1	1	0	1	0	0	0	0	0	1	4
ADAMTS5	1	1	0	1	0	0	0	0	0	1	4
PRDM4	1	1	0	1	0	0	0	0	0	1	4
CIT	1	1	0	1	0	0	0	0	0	1	4
PTPRT	1	1	0	1	0	0	0	0	0	1	4
KIF3A	1	1	0	1	0	0	0	0	0	1	4
AP4S1	1	1	0	1	1	0	0	0	0	0	4
ERLIN2	1	1	0	1	0	0	0	0	0	1	4
NUDT4	1	1	0	1	0	0	0	0	0	1	4
FSTL1	1	1	0	1	0	0	0	0	0	1	4
PSIP1	1	1	0	1	0	0	0	0	0	1	4

FAM107A	1	1	0	1	0	0	0	0	0	1	4
ZNF277	1	1	0	1	0	0	0	0	0	1	4
CHKA	1	1	0	1	0	0	0	0	0	1	4
WIF1	1	1	0	1	0	0	0	0	0	1	4
DDX20	1	1	0	1	0	0	0	0	0	1	4
CHML	1	1	0	1	0	0	0	0	0	1	4
HPS5	1	1	0	1	0	0	0	0	0	1	4
CA5B	1	1	0	1	0	0	0	0	0	1	4
C14orf126	1	1	0	1	0	0	0	0	0	1	4
C6orf117	1	1	0	1	0	0	0	0	0	1	4
CHP	1	1	0	1	0	0	0	0	0	1	4
KLF12	1	1	0	1	0	0	0	0	0	1	4
BTBD14B	1	1	0	1	0	0	0	0	0	1	4
ADCY7	1	1	0	1	0	0	0	0	0	1	4
LYPLA2	1	1	0	1	0	0	0	0	0	1	4
MGAT4A	1	1	0	1	0	0	0	0	0	1	4
SLC46A1	1	1	0	1	0	0	0	0	0	1	4
LARP4	1	1	0	1	0	0	0	0	0	1	4
TMEM106A	1	1	0	1	0	0	0	0	0	1	4
PDAP1	1	1	0	1	0	0	0	0	0	1	4
SFT2D1	1	1	0	1	0	0	0	0	0	1	4
RNF13	1	1	0	1	0	0	0	0	0	1	4
TRIM9	1	1	0	1	0	0	0	0	0	1	4
CHRNB2	1	1	0	1	0	0	0	0	0	1	4
MAL2	1	1	0	1	0	0	0	0	0	1	4
ERMAP	1	1	0	1	0	0	0	0	0	1	4
GPRIN1	1	1	0	1	0	0	0	0	0	1	4
SLC25A25	1	1	0	1	0	0	0	0	0	1	4
FMNL2	1	1	0	1	0	0	0	0	0	1	4
TMEM132B	1	1	0	1	0	0	0	0	0	1	4
CCDC85A	1	1	0	1	0	0	0	0	0	1	4
SORCS1	1	1	0	1	0	0	0	0	0	1	4
SORCS1	1	1	0	1	0	0	0	0	0	1	4
OSBPL8	1	0	0	1	1	0	0	0	0	1	4
OSBPL11	1	1	0	1	0	0	0	0	0	1	4
C1QTNF7	1	1	0	1	0	0	0	0	0	1	4
TMEM123	1	1	0	1	0	0	0	0	0	1	4
SLC26A9	1	1	0	1	0	0	0	0	0	1	4
SLC26A7	1	1	0	1	0	0	0	0	0	1	4
KCTD12	1	1	0	1	0	0	0	0	0	1	4
CISH	1	1	0	1	0	0	0	0	0	1	4

RASGRP4	1	1	0	1	0	0	0	0	0	1	4
C12orf56	1	1	0	1	0	0	0	0	0	1	4
ARL11	1	1	0	1	0	0	0	0	0	1	4
C16orf75	1	1	0	1	0	0	0	0	0	1	4
LYSMD3	1	1	0	1	0	0	0	0	0	1	4
LOC116236	1	1	0	1	0	0	0	0	0	1	4
IL22RA2	1	1	0	1	0	0	0	0	0	1	4
RAB39B	1	1	0	1	0	0	0	0	0	1	4
C6orf192	1	1	0	1	0	0	0	0	0	1	4
CENTD1	1	1	0	1	0	0	0	0	0	1	4
TADA1L	1	1	0	1	0	0	0	0	0	1	4
MIA2	1	1	0	1	0	0	0	0	0	1	4
SH2D1B	1	1	0	1	0	0	0	0	0	1	4
RAB3IP	1	1	0	1	0	0	0	0	0	1	4
RAB3IP	1	1	0	1	0	0	0	0	0	1	4
ADD1	1	1	0	1	0	0	0	0	0	1	4
CLCN5	1	1	0	1	0	0	0	0	0	1	4
CLCN6	1	1	0	1	0	0	0	0	0	1	4
C10orf83	1	1	0	1	0	0	0	0	0	1	4
ZFYVE27	1	1	0	1	0	0	0	0	0	1	4
C10orf4	1	1	0	1	0	0	0	0	0	1	4
C10orf78	1	0	0	1	1	0	0	0	0	1	4
C10orf104	1	1	0	1	0	0	0	0	0	1	4
TPP1	1	1	0	1	0	0	0	0	0	1	4
FAT3	1	1	0	1	0	0	0	0	0	1	4
LRRK2	1	1	0	1	0	0	0	0	0	1	4
IKIP	1	1	0	1	0	0	0	0	0	1	4
BTBD11	1	1	0	1	0	0	0	0	0	1	4
SLAIN1	1	0	0	1	1	1	0	0	0	0	4
C14orf28	1	1	0	1	0	0	0	0	0	1	4
TRAPPC6B	1	1	0	1	0	0	0	0	0	1	4
SOCS4	1	1	0	1	0	0	0	0	0	1	4
JUNDM2	1	0	0	1	1	0	0	0	0	1	4
SLC24A4	1	1	0	1	0	0	0	0	0	1	4
CCR3	1	1	0	1	0	0	0	0	0	1	4
NIPA1	1	1	0	1	0	0	0	0	0	1	4
WHDC1	1	1	0	1	0	0	0	0	0	1	4
MSI2	1	1	0	1	0	0	0	0	0	1	4
CD300LB	1	1	0	1	0	0	0	0	0	1	4
ZNF491	1	1	0	1	0	0	0	0	0	1	4
ZNF440	1	1	0	1	0	0	0	0	0	1	4

ZNF792	1	1	0	1	0	0	0	0	0	1	4
ANKLE1	1	1	0	1	0	0	0	0	0	1	4
SHE	1	1	0	1	0	0	0	0	0	1	4
C1orf96	1	1	0	1	0	0	0	0	0	1	4
C1orf161	1	1	0	1	0	0	0	0	0	1	4
ADH4	1	1	0	1	0	0	0	0	0	1	4
C1orf93	1	1	0	1	0	0	0	0	0	1	4
C1orf83	1	1	0	1	0	0	0	0	0	1	4
UBXD3	1	1	0	1	0	0	0	0	0	1	4
UHMK1	1	1	0	1	0	0	0	0	0	1	4
C1orf131	1	1	0	1	0	0	0	0	0	1	4
KLF17	1	1	0	1	0	0	0	0	0	1	4
COL5A1	1	1	0	1	0	0	0	0	0	1	4
C22orf25	1	1	0	1	0	0	0	0	0	1	4
COL6A3	1	1	0	1	0	0	0	0	0	1	4
C2orf60	1	1	0	1	0	0	0	0	0	1	4
CMPK2	1	1	0	1	0	0	0	0	0	1	4
TMEM18	1	1	0	1	0	0	0	0	0	1	4
FLJ40298	1	1	0	1	0	0	0	0	0	1	4
ACMSD	1	1	0	1	0	0	0	0	0	1	4
RFTN2	1	1	0	1	0	0	0	0	0	1	4
AP1S3	1	1	0	1	0	0	0	0	0	1	4
ACVR1C	1	1	0	1	0	0	0	0	0	1	4
UBR3	1	1	0	1	1	0	0	0	0	0	4
ALS2CR12	1	1	0	1	0	0	0	0	0	1	4
MDH1B	1	1	0	1	0	0	0	0	0	1	4
COL19A1	1	1	0	1	0	0	0	0	0	1	4
CPNE4	1	1	0	1	0	0	0	0	0	1	4
KCNH8	1	1	0	1	0	0	0	0	0	1	4
CD200R1	1	1	0	1	0	0	0	0	0	1	4
DCBLD2	1	1	0	1	0	0	0	0	0	1	4
FAM43A	1	1	0	1	0	0	0	0	0	1	4
SLC31A1	1	1	0	1	1	0	0	0	0	0	4
TMEM207	1	1	0	1	0	0	0	0	0	1	4
SYNPR	1	1	0	1	0	0	0	0	0	1	4
SYNPR	1	0	0	1	1	0	0	0	0	1	4
MAP3K8	1	1	0	1	0	0	0	0	0	1	4
SPATA18	1	1	0	1	0	0	0	0	0	1	4
PRRC1	1	1	0	1	0	0	0	0	0	1	4
C5orf33	1	1	0	1	0	0	0	0	0	1	4
DNAJC21	1	1	0	1	0	0	0	0	0	1	4

DNAJC21	1	0	0	1	1	0	0	0	0	1	4
WDR36	1	1	0	1	0	0	0	0	0	1	4
NCOA7	1	1	0	1	0	0	0	0	0	1	4
HINT3	1	1	0	1	0	0	0	0	0	1	4
CD109	1	1	0	1	0	0	0	0	0	1	4
COX11	1	1	0	1	0	0	0	0	0	1	4
C7orf57	1	1	0	1	0	0	0	0	0	1	4
CPOX	1	1	0	1	0	0	0	0	0	1	4
TMEM71	1	1	0	1	0	0	0	0	0	1	4
LOC137886	1	1	0	1	0	0	0	0	0	1	4
PTPDC1	1	1	0	1	0	0	0	0	0	1	4
C9orf23	1	1	0	1	0	0	0	0	0	1	4
CREBL2	1	1	0	1	0	0	0	0	0	1	4
WDR40B	1	1	0	1	0	0	0	0	0	1	4
CRH	1	1	0	1	0	0	0	0	0	1	4
FAM123B	1	1	0	1	0	0	0	0	0	1	4
CRKL	1	1	0	1	0	0	0	0	0	1	4
ASB5	1	1	0	1	0	0	0	0	0	1	4
CRY2	1	1	0	1	0	0	0	0	0	1	4
ZNF280B	1	1	0	1	0	0	0	0	0	1	4
PABPC5	1	1	0	1	0	0	0	0	0	1	4
ADPRH	1	1	0	1	0	0	0	0	0	1	4
MPP7	1	1	0	1	0	0	0	0	0	1	4
VTI1A	1	1	0	1	0	0	0	0	0	1	4
C10orf46	1	1	0	1	0	0	0	0	0	1	4
XRRA1	1	1	0	1	0	0	0	0	0	1	4
FAM76B	1	1	0	1	0	0	0	0	0	1	4
SPTY2D1	1	1	0	1	0	0	0	0	0	1	4
TMEM86A	1	1	0	1	0	0	0	0	0	1	4
FLJ32549	1	1	0	1	0	0	0	0	0	1	4
C13orf30	1	1	0	1	0	0	0	0	0	1	4
PRIMA1	1	1	0	1	0	0	0	0	0	1	4
CSNK2A2	1	1	0	1	0	0	0	0	0	1	4
CMTM4	1	1	0	1	0	0	0	0	0	1	4
GSG1L	1	1	0	1	0	0	0	0	0	1	4
CCDC42	1	1	0	1	0	0	0	0	0	1	4
SLFN13	1	1	0	1	0	0	0	0	0	1	4
AMAC1	1	1	0	1	0	0	0	0	0	1	4
C18orf25	1	1	0	1	0	0	0	0	0	1	4
ZNF418	1	1	0	1	0	0	0	0	0	1	4
ZNF417	1	1	0	1	0	0	0	0	0	1	4

ZNF420	1	1	0	1	0	0	0	0	0	1	4
C19orf25	1	1	0	1	0	0	0	0	0	1	4
ZNF569	1	1	0	1	0	0	0	0	0	1	4
C1orf52	1	1	0	1	0	0	0	0	0	1	4
CTGF	1	1	0	1	0	0	0	0	0	1	4
EXOC8	1	1	0	1	0	0	0	0	0	1	4
PDIK1L	1	1	0	1	0	0	0	0	0	1	4
BNIPL	1	1	0	1	0	0	0	0	0	1	4
CTNNA1	1	1	0	1	0	0	0	0	0	1	4
CTNND1	1	1	0	1	0	0	0	0	0	1	4
CCT8L2	1	1	0	1	0	0	0	0	0	1	4
CCDC117	1	1	0	1	0	0	0	0	0	1	4
PROM2	1	1	0	1	0	0	0	0	0	1	4
ZNF385B	1	1	0	1	1	0	0	0	0	0	4
FAM84A	1	1	0	1	0	0	0	0	0	1	4
GPR155	1	1	0	1	0	0	0	0	0	1	4
TTC14	1	1	0	1	0	0	0	0	0	1	4
TTC14	1	1	0	1	0	0	0	0	0	1	4
CTSO	1	1	0	1	0	0	0	0	0	1	4
RNF38	1	1	0	1	0	0	0	0	0	1	4
IGSF11	1	1	0	1	0	0	0	0	0	1	4
CCDC100	1	1	0	1	0	0	0	0	0	1	4
LOC153364	1	1	0	1	0	0	0	0	0	1	4
SRFBP1	1	1	0	1	0	0	0	0	0	1	4
PLEKHG4B	1	1	0	1	0	0	0	0	0	1	4
CYLD	1	1	0	1	0	0	0	0	0	1	4
C6orf151	1	1	0	1	0	0	0	0	0	1	4
CNKSR3	1	1	0	1	0	0	0	0	0	1	4
MBOAT1	1	1	0	1	0	0	0	0	0	1	4
NKAIN2	1	1	0	1	0	0	0	0	0	1	4
ABCA13	1	1	0	1	0	0	0	0	0	1	4
FLJ31818	1	1	0	1	0	0	0	0	0	1	4
RBM33	1	1	0	1	0	0	0	0	0	1	4
CYP2C8	1	1	0	1	0	0	0	0	0	1	4
ADRBK1	1	1	0	1	0	0	0	0	0	1	4
ADRBK2	1	1	0	1	0	0	0	0	0	1	4
ESCO2	1	1	0	1	0	0	0	0	0	1	4
VPS13B	1	1	0	1	0	0	0	0	0	1	4
RLBP1L1	1	1	0	1	0	0	0	0	0	1	4
CYP7A1	1	1	0	1	0	0	0	0	0	1	4
FAM120AOS	1	1	0	1	0	0	0	0	0	1	4

ZNF483	1	1	0	1	0	0	0	0	0	1	4
CYP11B1	1	1	0	1	0	0	0	0	0	1	4
PRUNE2	1	1	0	1	0	0	0	0	0	1	4
CYP19A1	1	1	0	1	0	0	0	0	0	1	4
FAM122B	1	1	0	1	0	0	0	0	0	1	4
TMTC2	1	1	0	1	0	0	0	0	0	1	4
MGC24039	1	1	0	1	0	0	0	0	0	1	4
SLC5A8	1	1	0	1	0	0	0	0	0	1	4
CCDC60	1	1	0	1	0	0	0	0	0	1	4
DGKH	1	1	0	1	0	0	0	0	0	1	4
DGKH	1	1	0	1	0	0	0	0	0	1	4
GPR180	1	1	0	1	0	0	0	0	0	1	4
STOML3	1	1	0	1	0	0	0	0	0	1	4
DARS	1	1	0	1	0	0	0	0	0	1	4
C15orf26	1	1	0	1	0	0	0	0	0	1	4
EXDL1	1	1	0	1	0	0	0	0	0	1	4
TMEM92	1	1	0	1	0	0	0	0	0	1	4
RHBDL3	1	1	0	1	0	0	0	0	0	1	4
DBT	1	1	0	1	0	0	0	0	0	1	4
ZNF781	1	1	0	1	0	0	0	0	0	1	4
ZNF540	1	1	0	1	0	0	0	0	0	1	4
GBP6	1	1	0	1	0	0	0	0	0	1	4
DCN	1	1	0	1	0	0	0	0	0	1	4
DCN	1	1	0	1	0	0	0	0	0	1	4
PAP2D	1	1	0	1	0	0	0	0	0	1	4
TOR1AIP2	1	1	0	1	0	0	0	0	0	1	4
C1orf71	1	1	0	1	0	0	0	0	0	1	4
DCX	1	1	0	1	0	0	0	0	0	1	4
LONRF2	1	1	0	1	0	0	0	0	0	1	4
DDX3X	1	1	0	1	0	0	0	0	0	1	4
AES	1	1	0	1	0	0	0	0	0	1	4
PRICKLE2	1	1	0	1	0	0	0	0	0	1	4
RASSF6	1	1	0	1	0	0	0	0	0	1	4
MIER3	1	1	0	1	0	0	0	0	0	1	4
SLC30A8	1	1	0	1	0	0	0	0	0	1	4
TMEM64	1	1	0	1	0	0	0	0	0	1	4
INDOL1	1	1	0	1	0	0	0	0	0	1	4
OLFML2A	1	1	0	1	0	0	0	0	0	1	4
QSOX2	1	1	0	1	0	0	0	0	0	1	4
GLIS3	1	1	0	1	0	0	0	0	0	1	4
FAM46D	1	1	0	1	0	0	0	0	0	1	4

FAM47B	1	1	0	1	0	0	0	0	0	1	4
COMMD6	1	1	0	1	0	0	0	0	0	1	4
KCNG3	1	1	0	1	0	0	0	0	0	1	4
SYNPO2	1	1	0	1	0	0	0	0	0	1	4
SYNPO2	1	1	0	1	0	0	0	0	0	1	4
DIAPH1	1	1	0	1	0	0	0	0	0	1	4
DIO2	0	1	0	1	1	0	0	0	0	1	4
DKC1	1	1	0	1	0	0	0	0	0	1	4
DR1	1	1	0	1	0	0	0	0	0	1	4
DSC1	1	1	0	1	0	0	0	0	0	1	4
DSC1	1	1	0	1	0	0	0	0	0	1	4
DSC3	1	1	0	1	0	0	0	0	0	1	4
DSC3	1	1	0	1	0	0	0	0	0	1	4
AGT	1	1	0	1	0	0	0	0	0	1	4
DTNA	1	1	0	1	0	0	0	0	0	1	4
DTNA	1	0	0	1	1	0	0	0	0	1	4
DUSP3	1	1	0	1	0	0	0	0	0	1	4
TOR1A	1	1	0	1	0	0	0	0	0	1	4
E2F1	1	1	0	1	0	0	0	0	0	1	4
ABCA1	1	1	0	1	0	0	0	0	0	1	4
EDG1	1	1	0	1	0	0	0	0	0	1	4
EDNRA	1	1	0	1	0	0	0	0	0	1	4
HIGD2A	1	1	0	1	0	0	0	0	0	1	4
EIF2C4	1	1	0	1	0	0	0	0	0	1	4
MEGF9	1	1	0	1	0	0	0	0	0	1	4
EGR1	1	1	0	1	0	0	0	0	0	1	4
P76	1	1	0	1	0	0	0	0	0	1	4
FAM71C	1	1	0	1	0	0	0	0	0	1	4
ARID2	1	1	0	1	0	0	0	0	0	1	4
EIF2S3	1	1	0	1	0	0	0	0	0	1	4
ELAVL2	1	1	0	1	0	0	0	0	0	1	4
ELAVL3	1	1	0	1	0	0	0	0	0	1	4
C19orf59	1	1	0	1	0	0	0	0	0	1	4
SLC5A9	1	1	0	1	0	0	0	0	0	1	4
TXLNA	1	1	0	1	0	0	0	0	0	1	4
CREG2	1	1	0	1	0	0	0	0	0	1	4
C2orf13	1	1	0	1	0	0	0	0	0	1	4
FBXO45	1	1	0	1	0	0	0	0	0	1	4
PRR6	1	1	0	1	0	0	0	0	0	1	4
CCDC125	1	1	0	1	0	0	0	0	0	1	4
C5orf29	1	1	0	1	0	0	0	0	0	1	4

TUBB	1	1	0	1	0	0	0	0	0	1	4
C9orf91	1	1	0	1	0	0	0	0	0	1	4
C9orf25	1	1	0	1	0	0	0	0	0	1	4
EPB41	1	1	0	1	0	0	0	0	0	1	4
ZNF449	1	1	0	1	0	0	0	0	0	1	4
LOC203547	1	1	0	1	0	0	0	0	0	1	4
EPHA3	1	1	0	1	0	0	0	0	0	1	4
LASS3	1	1	0	1	0	0	0	0	0	1	4
EPHA7	1	1	0	1	0	0	0	0	0	1	4
EPHB1	1	1	0	1	0	0	0	0	0	1	4
HIPK1	1	1	0	1	0	0	0	0	0	1	4
STX2	1	1	0	1	0	0	0	0	0	1	4
STX2	1	1	0	1	0	0	0	0	0	1	4
C3orf58	1	1	0	1	0	0	0	0	0	1	4
CLN8	1	1	0	1	0	0	0	0	0	1	4
EPS15	1	1	0	1	0	0	0	0	0	1	4
SLC36A1	1	1	0	1	0	0	0	0	0	1	4
ERBB4	1	1	0	1	0	0	0	0	0	1	4
EREG	1	1	0	1	0	0	0	0	0	1	4
EYA4	1	0	0	1	1	0	0	0	0	1	4
EYA4	1	0	0	1	1	0	0	0	0	1	4
ERG	1	1	0	1	0	0	0	0	0	1	4
AKT2	1	1	0	1	0	0	0	0	0	1	4
ESR1	1	1	0	1	0	0	0	0	0	1	4
ETS1	1	0	0	1	1	0	0	0	0	1	4
EVI2A	1	1	0	1	0	0	0	0	0	1	4
EXT2	1	1	0	1	0	0	0	0	0	1	4
F2R	1	1	0	1	0	0	0	0	0	1	4
F5	1	1	0	1	0	0	0	0	0	1	4
F11	1	1	0	1	0	0	0	0	0	1	4
C10orf56	1	1	0	1	0	0	0	0	0	1	4
RTKN2	1	1	0	1	0	0	0	0	0	1	4
PLAC1L	1	1	0	1	0	0	0	0	0	1	4
HNRPA3	1	1	0	1	0	0	0	0	0	1	4
C10orf38	1	1	0	1	0	0	0	0	0	1	4
CPNE2	1	1	0	1	0	0	0	0	0	1	4
C6orf199	1	1	0	1	0	0	0	0	0	1	4
FAM26D	1	1	0	1	0	0	0	0	0	1	4
C6orf170	1	1	0	1	0	0	0	0	0	1	4
OPN5	1	1	0	1	0	0	0	0	0	1	4
GPR116	1	1	0	1	0	0	0	0	0	1	4

C6orf223	1	1	0	1	0	0	0	0	0	1	4
C6orf128	1	1	0	1	0	0	0	0	0	1	4
C6orf89	1	1	0	1	0	0	0	0	0	1	4
RNF182	0	1	0	1	1	0	0	0	0	1	4
FKTN	1	1	0	1	0	0	0	0	0	1	4
TWISTNB	1	1	0	1	0	0	0	0	0	1	4
FOXK1	1	1	0	1	0	0	0	0	0	1	4
FDFT1	1	1	0	1	0	0	0	0	0	1	4
LNX2	1	1	0	1	0	0	0	0	0	1	4
SLC35F1	1	1	0	1	0	0	0	0	0	1	4
ALDH9A1	1	1	0	1	0	0	0	0	0	1	4
FDX1	1	1	0	1	0	0	0	0	0	1	4
ZNRF2	1	1	0	1	0	0	0	0	0	1	4
SEMA3D	1	1	0	1	0	0	0	0	0	1	4
FGF7	1	1	0	1	0	0	0	0	0	1	4
FGFR1	1	1	0	1	0	0	0	0	0	1	4
TFEC	1	1	0	1	0	0	0	0	0	1	4
FKBP1A	1	1	0	1	0	0	0	0	0	1	4
MTF2	1	1	0	1	0	0	0	0	0	1	4
NLGN4Y	1	1	0	1	0	0	0	0	0	1	4
ZFP30	1	1	0	1	0	0	0	0	0	1	4
VASH1	1	1	0	1	0	0	0	0	0	1	4
FNDC3A	1	1	0	1	0	0	0	0	0	1	4
FNDC3A	1	0	0	1	1	0	0	0	0	1	4
MON1B	1	1	0	1	0	0	0	0	0	1	4
FKBP4	1	1	0	1	1	0	0	0	0	0	4
DIS3	1	1	0	1	0	0	0	0	0	1	4
ARHGEF15	1	1	0	1	0	0	0	0	0	1	4
CARD8	1	1	0	1	0	0	0	0	0	1	4
EPN2	1	1	0	1	0	0	0	0	0	1	4
MTMR15	1	1	0	1	0	0	0	0	0	1	4
NCBP2	1	1	0	1	0	0	0	0	0	1	4
TPX2	1	1	0	1	0	0	0	0	0	1	4
DIP2C	1	1	0	1	0	0	0	0	0	1	4
SORCS3	1	1	0	1	0	0	0	0	0	1	4
MYH15	1	1	0	1	0	0	0	0	0	1	4
WDFY3	1	1	0	1	0	0	0	0	0	1	4
DAAM1	1	1	0	1	0	0	0	0	0	1	4
KIAA0265	1	1	0	1	1	0	0	0	0	0	4
FBXO21	1	1	0	1	0	0	0	0	0	1	4
CNOT1	1	1	0	1	0	0	0	0	0	1	4

TMCC1	1	1	0	1	0	0	0	0	0	1	4
PDZRN3	1	1	0	1	0	0	0	0	0	1	4
PHLPPL	1	1	0	1	0	0	0	0	0	1	4
MON2	1	1	0	1	0	0	0	0	0	1	4
PDXDC1	1	1	0	1	0	0	0	0	0	1	4
PDS5B	1	1	0	1	1	0	0	0	0	0	4
ENDOD1	1	1	0	1	0	0	0	0	0	1	4
NMNAT2	1	1	0	1	0	0	0	0	0	1	4
GGA2	1	1	0	1	0	0	0	0	0	1	4
SETX	1	1	0	1	0	0	0	0	0	1	4
KIAA0090	1	1	0	1	0	0	0	0	0	1	4
RRP1B	1	1	0	1	0	0	0	0	0	1	4
KIAA0241	1	1	0	1	0	0	0	0	0	1	4
TRIM35	1	1	0	1	0	0	0	0	0	1	4
ARHGAP26	1	1	0	1	0	0	0	0	0	1	4
TBC1D2B	1	1	0	1	0	0	0	0	0	1	4
TBC1D2B	1	1	0	1	0	0	0	0	0	1	4
MRPS27	1	1	0	1	0	0	0	0	0	1	4
SPG20	1	1	0	1	0	0	0	0	0	1	4
MAP3K7IP2	1	1	0	1	0	0	0	0	0	1	4
CAMTA2	1	1	0	1	0	0	0	0	0	1	4
EPB41L3	1	1	0	1	0	0	0	0	0	1	4
N4BP3	1	1	0	1	0	0	0	0	0	1	4
CLCC1	1	1	0	1	0	0	0	0	0	1	4
TBC1D9	1	1	0	1	0	0	0	0	0	1	4
METAP1	1	1	0	1	0	0	0	0	0	1	4
SEPT7	1	1	0	1	0	0	0	0	0	1	4
SEPT7	1	1	0	1	0	0	0	0	0	1	4
RCOR1	1	1	0	1	0	0	0	0	0	1	4
FLOT2	1	1	0	1	0	0	0	0	0	1	4
ATP11B	1	1	0	1	0	0	0	0	0	1	4
BAT2D1	1	1	0	1	0	0	0	0	0	1	4
ZFR2	1	1	0	1	0	0	0	0	0	1	4
DTX4	1	1	0	1	0	0	0	0	0	1	4
VPS13A	1	1	0	1	0	0	0	0	0	1	4
VPS13A	1	1	0	1	0	0	0	0	0	1	4
SNF1LK2	1	1	0	1	0	0	0	0	0	1	4
PACS2	1	1	0	1	0	0	0	0	0	1	4
COBL	1	1	0	1	0	0	0	0	0	1	4
ATP11A	1	1	0	1	0	0	0	0	0	1	4
ATP11A	1	1	0	1	0	0	0	0	0	1	4

KIAA1024	1	1	0	1	0	0	0	0	0	1	4
ANKRD12	1	1	0	1	0	0	0	0	0	1	4
CAMTA1	1	1	0	1	0	0	0	0	0	1	4
TSPYL4	1	1	0	1	0	0	0	0	0	1	4
CAMSAP1L1	1	1	0	1	0	0	0	0	0	1	4
KIAA0664	1	1	0	1	0	0	0	0	0	1	4
SMG6	1	1	0	1	0	0	0	0	0	1	4
BICD2	1	1	0	1	1	0	0	0	0	0	4
ATMIN	1	1	0	1	0	0	0	0	0	1	4
WSCD1	1	1	0	1	0	0	0	0	0	1	4
TMEM194	1	1	0	1	0	0	0	0	0	1	4
ICOSLG	1	1	0	1	0	0	0	0	0	1	4
DMXL2	1	1	0	1	0	0	0	0	0	1	4
SLC9A8	1	1	0	1	0	0	0	0	0	1	4
SASH1	1	1	0	1	0	0	0	0	0	1	4
DPY19L1	1	1	0	1	0	0	0	0	0	1	4
WDR7	1	1	0	1	0	0	0	0	0	1	4
AFF2	1	1	0	1	0	0	0	0	0	1	4
SYNE1	0	0	0	1	1	1	0	0	0	1	4
SYNE1	0	0	0	1	1	1	0	0	0	1	4
SYNE1	0	0	0	1	1	1	0	0	0	1	4
KIAA1045	1	1	0	1	0	0	0	0	0	1	4
SR140	1	1	0	1	0	0	0	0	0	1	4
FNBP4	1	1	0	1	0	0	0	0	0	1	4
PSD3	1	1	0	1	0	0	0	0	0	1	4
ARHGEF12	1	1	0	1	0	0	0	0	0	1	4
KIAA0895	1	1	0	1	0	0	0	0	0	1	4
SRGAP2	1	1	0	1	0	0	0	0	0	1	4
SPECC1L	1	0	0	1	1	0	0	0	0	1	4
ZDHHC17	1	1	0	1	0	0	0	0	0	1	4
NCAPH	1	1	0	1	0	0	0	0	0	1	4
FRAT2	1	1	0	1	0	0	0	0	0	1	4
EXOSC2	1	1	0	1	0	0	0	0	0	1	4
FREQ	1	1	0	1	0	0	0	0	0	1	4
HEY1	1	1	0	1	0	0	0	0	0	1	4
ICMT	1	1	0	1	0	0	0	0	0	1	4
NPTXR	0	1	0	1	1	0	0	0	0	1	4
HEY2	1	1	0	1	0	0	0	0	0	1	4
ZFYVE26	1	1	0	1	0	0	0	0	0	1	4
TMEM131	1	1	0	1	0	0	0	0	0	1	4
POFUT1	1	1	0	1	0	0	0	0	0	1	4

KCTD2	1	1	0	1	0	0	0	0	0	1	4
MORC3	1	1	0	1	0	0	0	0	0	1	4
HYAL4	1	1	0	1	0	0	0	0	0	1	4
ARL2BP	1	1	0	1	0	0	0	0	0	1	4
DDAH1	1	1	0	1	0	0	0	0	0	1	4
FPRL1	1	1	0	1	0	0	0	0	0	1	4
DDX58	1	1	0	1	0	0	0	0	0	1	4
FPRL2	1	1	0	1	0	0	0	0	0	1	4
CORO1C	1	1	0	1	0	0	0	0	0	1	4
CD2AP	1	1	0	1	0	0	0	0	0	1	4
MKRN1	1	1	0	1	0	0	0	0	0	1	4
ZMYND8	1	1	0	1	1	0	0	0	0	0	4
PRND	1	1	0	1	0	0	0	0	0	1	4
STX12	1	1	0	1	0	0	0	0	0	1	4
SGK3	1	1	0	1	0	0	0	0	0	1	4
RAB38	1	1	0	1	0	0	0	0	0	1	4
C15orf2	1	1	0	1	0	0	0	0	0	1	4
SDF2L1	1	1	0	1	1	0	0	0	0	0	4
PITPNB	1	1	0	1	0	0	0	0	0	1	4
MTCH2	1	1	0	1	1	0	0	0	0	0	4
PANX1	1	1	0	1	0	0	0	0	0	1	4
VGLL2	1	1	0	1	0	0	0	0	0	1	4
ATP6V0D2	1	1	0	1	0	0	0	0	0	1	4
ATP6V1C2	1	1	0	1	0	0	0	0	0	1	4
CNOT6L	1	1	0	1	0	0	0	0	0	1	4
LACE1	1	1	0	1	0	0	0	0	0	1	4
FUT1	1	1	0	1	0	0	0	0	0	1	4
FUT4	1	1	0	1	0	0	0	0	0	1	4
ZNF396	1	1	0	1	0	0	0	0	0	1	4
STXBP4	1	1	0	1	0	0	0	0	0	1	4
SRD5A2L2	1	1	0	1	0	0	0	0	0	1	4
KDSR	1	1	0	1	0	0	0	0	0	1	4
RICTOR	1	1	0	1	0	0	0	0	0	1	4
FYB	1	1	0	1	0	0	0	0	0	1	4
CADM2	1	1	0	1	1	0	0	0	0	0	4
CCDC75	1	1	0	1	0	0	0	0	0	1	4
LASS6	1	1	0	1	0	0	0	0	0	1	4
YTHDF3	0	1	0	1	1	0	0	0	0	1	4
RNF169	1	1	0	1	0	0	0	0	0	1	4
FAM26E	1	1	0	1	0	0	0	0	0	1	4
LYG2	1	1	0	1	0	0	0	0	0	1	4

GABRA1	1	1	0	1	0	0	0	0	0	1	4
RNF144B	1	1	0	1	0	0	0	0	0	1	4
GABRA4	1	1	0	1	0	0	0	0	0	1	4
C3orf43	1	1	0	1	0	0	0	0	0	1	4
PAN3	1	1	0	1	0	0	0	0	0	1	4
ZNF549	1	1	0	1	0	0	0	0	0	1	4
GABRB2	1	1	0	1	0	0	0	0	0	1	4
TMEM196	1	1	0	1	0	0	0	0	0	1	4
GK5	1	1	0	1	0	0	0	0	0	1	4
ST6GALNAC3	1	1	0	1	0	0	0	0	0	1	4
GABRG1	1	1	0	1	0	0	0	0	0	1	4
GABRG2	1	1	0	1	0	0	0	0	0	1	4
WDR72	1	1	0	1	0	0	0	0	0	1	4
C10orf67	1	1	0	1	0	0	0	0	0	1	4
NEGR1	1	1	0	1	0	0	0	0	0	1	4
SVIP	1	1	0	1	0	0	0	0	0	1	4
DNAJB5	1	0	0	1	1	0	0	0	0	1	4
NIPBL	1	1	0	1	0	0	0	0	0	1	4
ABTB2	1	1	0	1	0	0	0	0	0	1	4
DKFZP564O0823	1	1	0	1	0	0	0	0	0	1	4
FAM119B	1	1	0	1	0	0	0	0	0	1	4
FAM119B	1	1	0	1	0	0	0	0	0	1	4
GALNT2	1	1	0	1	0	0	0	0	0	1	4
IFFO	1	1	0	1	0	0	0	0	0	1	4
AHCTF1	1	1	0	1	0	0	0	0	0	1	4
GALNT3	1	1	0	1	0	0	0	0	0	1	4
C1orf43	1	1	0	1	0	0	0	0	0	1	4
THUMPD3	1	1	0	1	0	0	0	0	0	1	4
NSL1	1	1	0	1	0	0	0	0	0	1	4
NSL1	1	1	0	1	0	0	0	0	0	1	4
SAMHD1	1	1	0	1	0	0	0	0	0	1	4
C2CD2	1	1	0	1	0	0	0	0	0	1	4
CHMP2B	1	1	0	1	0	0	0	0	0	1	4
DAK	1	1	0	1	0	0	0	0	0	1	4
ZZZ3	1	1	0	1	0	0	0	0	0	1	4
ODZ4	1	1	0	1	0	0	0	0	0	1	4
L3MBTL	1	1	0	1	0	0	0	0	0	1	4
SUSD5	1	1	0	1	0	0	0	0	0	1	4
ATRNL1	1	1	0	1	0	0	0	0	0	1	4
PIP3-E	1	1	0	1	0	0	0	0	0	1	4

ZNF294	1	1	0	1	0	0	0	0	0	1	4
KIAA0888	1	1	0	1	0	0	0	0	0	1	4
AUTS2	1	1	0	1	0	0	0	0	0	1	4
ERC2	1	1	0	1	0	0	0	0	0	1	4
KLK13	1	1	0	1	0	0	0	0	0	1	4
WDR21A	1	1	0	1	0	0	0	0	0	1	4
TANC2	1	1	0	1	0	0	0	0	0	1	4
WSB1	1	0	0	1	1	0	0	0	0	1	4
TCTN3	1	1	0	1	0	0	0	0	0	1	4
TTLL3	1	1	0	1	0	0	0	0	0	1	4
FBXW2	1	1	0	1	0	0	0	0	0	1	4
PTPN22	1	1	0	1	0	0	0	0	0	1	4
FBXL3	1	1	0	1	0	0	0	0	0	1	4
ARL5A	1	0	0	1	1	0	0	0	0	1	4
GATA2	1	1	0	1	0	0	0	0	0	1	4
PLDN	1	1	0	1	0	0	0	0	0	1	4
FBXO5	1	1	0	1	0	0	0	0	0	1	4
VPS33B	1	1	0	1	0	0	0	0	0	1	4
EHF	1	1	0	1	0	0	0	0	0	1	4
LHX6	1	1	0	1	0	0	0	0	0	1	4
LHX6	1	1	0	1	0	0	0	0	0	1	4
CNNM3	1	1	0	1	0	0	0	0	0	1	4
GCNT2	1	1	0	1	0	0	0	0	0	1	4
LATS2	1	1	0	1	0	0	0	0	0	1	4
CKAP2	1	1	0	1	0	0	0	0	0	1	4
MSTN	1	1	0	1	0	0	0	0	0	1	4
GDI1	1	1	0	1	0	0	0	0	0	1	4
MDGA1	1	1	0	1	0	0	0	0	0	1	4
NUFIP1	1	1	0	1	0	0	0	0	0	1	4
RPS6KC1	1	1	0	1	0	0	0	0	0	1	4
GGT7	1	1	0	1	1	0	0	0	0	0	4
CHORDC1	1	1	0	1	0	0	0	0	0	1	4
ACAD8	1	1	0	1	0	0	0	0	0	1	4
D4S234E	1	1	0	1	0	0	0	0	0	1	4
GHITM	1	1	0	1	0	0	0	0	0	1	4
VPS41	1	1	0	1	0	0	0	0	0	1	4
TAF5L	1	1	0	1	0	0	0	0	0	1	4
GK	1	1	0	1	0	0	0	0	0	1	4
CACYBP	1	1	0	1	0	0	0	0	0	1	4
EIF2AK1	1	1	0	1	0	0	0	0	0	1	4
TMEM28	1	1	0	1	1	0	0	0	0	0	4

SNX5	1	1	0	1	0	0	0	0	0	1	4
ASAHL	1	1	0	1	0	0	0	0	0	1	4
ASAHL	1	1	0	1	0	0	0	0	0	1	4
DISC1	1	1	0	1	0	0	0	0	0	1	4
DISC1	1	1	0	1	0	0	0	0	0	1	4
OXGR1	1	1	0	1	0	0	0	0	0	1	4
COQ2	1	1	0	1	0	0	0	0	0	1	4
ARFIP1	1	1	0	1	0	0	0	0	0	1	4
BBS9	1	1	0	1	0	0	0	0	0	1	4
ZNF364	1	1	0	1	0	0	0	0	0	1	4
ZNF544	1	1	0	1	0	0	0	0	0	1	4
PCDH11X	1	1	0	1	0	0	0	0	0	1	4
POLM	1	1	0	1	0	0	0	0	0	1	4
GLRX	1	1	0	1	0	0	0	0	0	1	4
GLRX	1	1	0	1	0	0	0	0	0	1	4
GNA12	1	1	0	1	0	0	0	0	0	1	4
GNS	1	1	0	1	0	0	0	0	0	1	4
GOLGA3	1	1	0	1	0	0	0	0	0	1	4
GOT1	1	1	0	1	0	0	0	0	0	1	4
GP5	1	1	0	1	0	0	0	0	0	1	4
GPD2	1	1	0	1	0	0	0	0	0	1	4
GPLD1	1	1	0	1	0	0	0	0	0	1	4
GPM6A	1	1	0	1	0	0	0	0	0	1	4
WDR51B	1	1	0	1	0	0	0	0	0	1	4
STK32C	1	1	0	1	0	0	0	0	0	1	4
BLOC1S2	1	1	0	1	0	0	0	0	0	1	4
PGM2L1	1	1	0	1	0	0	0	0	0	1	4
DPY19L2	1	1	0	1	0	0	0	0	0	1	4
GPR137C	1	1	0	1	0	0	0	0	0	1	4
PRTG	1	1	0	1	0	0	0	0	0	1	4
FAM100B	1	1	0	1	0	0	0	0	0	1	4
TMEM105	1	1	0	1	0	0	0	0	0	1	4
ZADH2	1	1	0	1	0	0	0	0	0	1	4
ZNF547	1	1	0	1	0	0	0	0	0	1	4
ZNF776	1	1	0	1	0	0	0	0	0	1	4
C19orf54	1	1	0	1	0	0	0	0	0	1	4
ZNF575	1	1	0	1	0	0	0	0	0	1	4
GPR22	1	1	0	1	0	0	0	0	0	1	4
FAM102B	1	1	0	1	0	0	0	0	0	1	4
SYPL2	1	1	0	1	0	0	0	0	0	1	4
ZNF326	1	1	0	1	0	0	0	0	0	1	4

RABL3	1	1	0	1	0	0	0	0	0	1	4
C3orf23	1	1	0	1	0	0	0	0	0	1	4
GPRIN3	1	1	0	1	0	0	0	0	0	1	4
C5orf36	1	1	0	1	0	0	0	0	0	1	4
LOC285636	1	1	0	1	0	0	0	0	0	1	4
SFRS12IP1	1	1	0	1	0	0	0	0	0	1	4
TREML4	1	1	0	1	0	0	0	0	0	1	4
ANK1	1	1	0	1	0	0	0	0	0	1	4
EFHA2	1	1	0	1	0	0	0	0	0	1	4
ATP11C	1	1	0	1	0	0	0	0	0	1	4
ILDR1	1	1	0	1	0	0	0	0	0	1	4
MKNK2	1	1	0	1	0	0	0	0	0	1	4
GRB10	1	1	0	1	0	0	0	0	0	1	4
OSTM1	1	1	0	1	0	0	0	0	0	1	4
MRPS18B	1	1	0	1	0	0	0	0	0	1	4
TMEM14A	1	1	0	1	0	0	0	0	0	1	4
C16orf72	1	1	0	1	0	0	0	0	0	1	4
NR3C1	1	1	0	1	0	0	0	0	0	1	4
NR3C1	1	1	0	1	0	0	0	0	0	1	4
HSPC159	1	1	0	1	0	0	0	0	0	1	4
SLC25A4	1	1	0	1	0	0	0	0	0	1	4
RNASEN	1	1	0	1	0	0	0	0	0	1	4
GRM1	1	1	0	1	0	0	0	0	0	1	4
GRM1	1	1	0	1	0	0	0	0	0	1	4
GRM5	0	0	0	1	1	1	0	0	0	1	4
GRM8	0	1	0	1	1	1	0	0	0	0	4
CXCL2	1	1	0	1	0	0	0	0	0	1	4
GTF2E1	1	1	0	1	0	0	0	0	0	1	4
GTF2H1	1	1	0	1	0	0	0	0	0	1	4
GUCA1B	1	1	0	1	0	0	0	0	0	1	4
YPEL1	1	1	0	1	0	0	0	0	0	1	4
TFCP2L1	1	1	0	1	0	0	0	0	0	1	4
HIG2	1	1	0	1	0	0	0	0	0	1	4
GYPA	1	1	0	1	0	0	0	0	0	1	4
DSE	1	1	0	1	0	0	0	0	0	1	4
SLC25A24	1	1	0	1	0	0	0	0	0	1	4
DMGDH	1	1	0	1	0	0	0	0	0	1	4
H3F3B	1	1	0	1	0	0	0	0	0	1	4
HTT	1	1	0	1	0	0	0	0	0	1	4
EMR2	1	1	0	1	0	0	0	0	0	1	4
ANXA6	1	1	0	1	0	0	0	0	0	1	4

HK2	1	1	0	1	0	0	0	0	0	1	4
HLA-C	1	1	0	1	0	0	0	0	0	1	4
ANXA11	1	1	0	1	0	0	0	0	0	1	4
HMGB2	1	1	0	1	0	0	0	0	0	1	4
HMGB3	1	1	0	1	0	0	0	0	0	1	4
HMGCL	1	1	0	1	0	0	0	0	0	1	4
HNF4G	1	1	0	1	0	0	0	0	0	1	4
HNMT	1	1	0	1	0	0	0	0	0	1	4
HNRNPC	1	1	0	1	0	0	0	0	0	1	4
HOXA1	1	1	0	1	0	0	0	0	0	1	4
HOXA1	1	1	0	1	0	0	0	0	0	1	4
ACACB	1	1	0	1	0	0	0	0	0	1	4
HOXB4	1	1	0	1	0	0	0	0	0	1	4
HOXC11	1	1	0	1	0	0	0	0	0	1	4
HOXD1	1	1	0	1	0	0	0	0	0	1	4
HOXD3	1	1	0	1	0	0	0	0	0	1	4
HPGD	1	1	0	1	0	0	0	0	0	1	4
HRB	1	0	0	1	1	0	0	0	0	1	4
HRBL	1	1	0	1	0	0	0	0	0	1	4
HRH1	1	1	0	1	0	0	0	0	0	1	4
HSD3B1	1	1	0	1	0	0	0	0	0	1	4
HSD11B1	1	1	0	1	0	0	0	0	0	1	4
HSPA1L	1	1	0	1	0	0	0	0	0	1	4
XIAP	1	1	0	1	0	0	0	0	0	1	4
BIRC5	1	1	0	1	0	0	0	0	0	1	4
BIRC5	1	1	0	1	0	0	0	0	0	1	4
DNAJB1	1	1	0	1	0	0	0	0	0	1	4
HTR2C	1	1	0	1	0	0	0	0	0	1	4
IRF8	1	1	0	1	0	0	0	0	0	1	4
TMEM173	1	1	0	1	0	0	0	0	0	1	4
MYLK4	1	1	0	1	0	0	0	0	0	1	4
KIAA2022	1	1	0	1	0	0	0	0	0	1	4
ZC3H12B	1	1	0	1	0	0	0	0	0	1	4
IDH1	1	1	0	1	0	0	0	0	0	1	4
IDH3A	1	1	0	1	0	0	0	0	0	1	4
GLDN	1	1	0	1	0	0	0	0	0	1	4
ZNF677	1	1	0	1	0	0	0	0	0	1	4
ZSCAN22	1	1	0	1	0	0	0	0	0	1	4
PLCXD3	1	1	0	1	0	0	0	0	0	1	4
IFNG	1	1	0	1	0	0	0	0	0	1	4
ZNF81	1	1	0	1	0	0	0	0	0	1	4

IGF1	1	1	0	1	0	0	0	0	0	1	4
IGF1	1	1	0	1	0	0	0	0	0	1	4
FAM33A	1	1	0	1	0	0	0	0	0	1	4
FAM33A	1	1	0	1	0	0	0	0	0	1	4
ICHTHYIN	1	1	0	1	0	0	0	0	0	1	4
HCN1	1	1	0	1	0	0	0	0	0	1	4
BMP8A	1	1	0	1	0	0	0	0	0	1	4
FAS	1	1	0	1	0	0	0	0	0	1	4
FAS	1	1	0	1	0	0	0	0	0	1	4
IL1B	1	1	0	1	0	0	0	0	0	1	4
IL1R1	1	1	0	1	0	0	0	0	0	1	4
IL1RAP	1	1	0	1	0	0	0	0	0	1	4
IL1RAP	1	1	0	1	0	0	0	0	0	1	4
IL2	1	1	0	1	0	0	0	0	0	1	4
FASLG	1	1	0	1	0	0	0	0	0	1	4
IL7	1	1	0	1	0	0	0	0	0	1	4
IL10RA	1	1	0	1	0	0	0	0	0	1	4
AQP2	1	1	0	1	0	0	0	0	0	1	4
FAM101B	1	1	0	1	0	0	0	0	0	1	4
ZBTB41	1	1	0	1	0	0	0	0	0	1	4
IL16	1	1	0	1	0	0	0	0	0	1	4
ILF3	1	1	0	1	0	0	0	0	0	1	4
AQP4	1	1	0	1	0	0	0	0	0	1	4
IMPG1	1	1	0	1	0	0	0	0	0	1	4
INCENP	1	1	0	1	0	0	0	0	0	1	4
INSR	1	1	0	1	0	0	0	0	0	1	4
ITGA6	1	1	0	1	0	0	0	0	0	1	4
IREB2	1	1	0	1	0	0	0	0	0	1	4
AQP9	1	1	0	1	0	0	0	0	0	1	4
ITPR2	1	1	0	1	0	0	0	0	0	1	4
JAK2	1	1	0	1	0	0	0	0	0	1	4
KCNA1	1	1	0	1	0	0	0	0	0	1	4
KCNB1	1	1	0	1	0	0	0	0	0	1	4
SFT2D2	1	1	0	1	0	0	0	0	0	1	4
C3orf62	1	1	0	1	0	0	0	0	0	1	4
KCNJ1	1	1	0	1	0	0	0	0	0	1	4
KCNJ2	1	1	0	1	0	0	0	0	0	1	4
KCNJ5	1	1	0	1	0	0	0	0	0	1	4
KCNJ10	1	1	0	1	0	0	0	0	0	1	4
CA13	1	1	0	1	0	0	0	0	0	1	4
KCNMA1	1	1	0	1	0	0	0	0	0	1	4

KCNN1	1	1	0	1	0	0	0	0	0	1	4
KIF5A	1	1	0	1	0	0	0	0	0	1	4
KIF5C	1	1	0	1	0	0	0	0	0	1	4
KPNA4	1	1	0	1	0	0	0	0	0	1	4
TNPO1	1	1	0	1	0	0	0	0	0	1	4
RANBP5	1	1	0	1	0	0	0	0	0	1	4
C6orf190	1	1	0	1	0	0	0	0	0	1	4
SH2D4B	1	1	0	1	0	0	0	0	0	1	4
LOC387856	1	1	0	1	0	0	0	0	0	1	4
NHLRC3	1	1	0	1	0	0	0	0	0	1	4
C15orf52	1	1	0	1	0	0	0	0	0	1	4
SBK1	1	1	0	1	0	0	0	0	0	1	4
YPEL2	1	1	0	1	0	0	0	0	0	1	4
VGLL3	1	1	0	1	0	0	0	0	0	1	4
CCDC4	1	1	0	1	0	0	0	0	0	1	4
IYD	1	1	0	1	0	0	0	0	0	1	4
RHOG	1	1	0	1	0	0	0	0	0	1	4
LAMC1	1	1	0	1	0	0	0	0	0	1	4
LBR	1	0	0	1	1	0	0	0	0	1	4
ARHGAP5	1	1	0	1	0	0	0	0	0	1	4
LDLR	1	1	0	1	0	0	0	0	0	1	4
LIF	1	1	0	1	0	0	0	0	0	1	4
LIFR	1	1	0	1	0	0	0	0	0	1	4
ABLIM1	1	1	0	1	0	0	0	0	0	1	4
FADS1	1	1	0	1	0	0	0	0	0	1	4
FAM102A	1	1	0	1	0	0	0	0	0	1	4
LMAN1	1	1	0	1	0	0	0	0	0	1	4
ARL1	1	1	0	1	0	0	0	0	0	1	4
LOC400120	1	1	0	1	0	0	0	0	0	1	4
C15orf54	1	1	0	1	0	0	0	0	0	1	4
SAMD12	1	1	0	1	0	0	0	0	0	1	4
SAMD12	1	1	0	1	0	0	0	0	0	1	4
SNX30	1	1	0	1	0	0	0	0	0	1	4
MCART6	1	1	0	1	0	0	0	0	0	1	4
C10orf132	1	1	0	1	0	0	0	0	0	1	4
ARL3	1	1	0	1	0	0	0	0	0	1	4
ZBTB34	1	1	0	1	0	0	0	0	0	1	4
LRP4	1	1	0	1	0	0	0	0	0	1	4
HAPLN4	1	1	0	1	0	0	0	0	0	1	4
LTBP2	1	1	0	1	0	0	0	0	0	1	4
CAPRIN1	1	1	0	1	0	0	0	0	0	1	4

CAPRIN1	1	1	0	1	0	0	0	0	0	1	4
SMAD2	1	1	0	1	0	0	0	0	0	1	4
ARRB2	1	1	0	1	0	0	0	0	0	1	4
MAF	1	1	0	1	0	0	0	0	0	1	4
MAGEA4	1	1	0	1	0	0	0	0	0	1	4
STS	1	1	0	1	0	0	0	0	0	1	4
MAN2A2	1	1	0	1	0	0	0	0	0	1	4
MAOA	1	1	0	1	0	0	0	0	0	1	4
MAP2	1	1	0	1	0	0	0	0	0	1	4
MAPT	1	1	0	1	0	0	0	0	0	1	4
MARK1	1	1	0	1	0	0	0	0	0	1	4
MBNL1	1	1	0	1	0	0	0	0	0	1	4
MBP	1	1	0	1	0	0	0	0	0	1	4
MBP	1	1	0	1	0	0	0	0	0	1	4
MC2R	1	1	0	1	0	0	0	0	0	1	4
CHST6	1	1	0	1	0	0	0	0	0	1	4
MCM6	1	1	0	1	0	0	0	0	0	1	4
CD46	1	1	0	1	0	0	0	0	0	1	4
ME2	1	1	0	1	0	0	0	0	0	1	4
MECP2	1	0	0	1	1	0	0	0	0	1	4
MEIS2	1	0	0	1	1	1	0	0	0	0	4
MEIS2	1	0	0	1	1	1	0	0	0	0	4
MEIS2	1	0	0	1	1	1	0	0	0	0	4
MEIS2	1	0	0	1	1	1	0	0	0	0	4
MEIS2	1	0	0	1	1	1	0	0	0	0	4
MEST	1	1	0	1	0	0	0	0	0	1	4
KITLG	1	1	0	1	0	0	0	0	0	1	4
MIP	1	1	0	1	0	0	0	0	0	1	4
ATXN3	1	1	0	1	0	0	0	0	0	1	4
MKLN1	1	1	0	1	0	0	0	0	0	1	4
MLF1	1	1	0	1	0	0	0	0	0	1	4
MAP3K9	1	1	0	1	0	0	0	0	0	1	4
MMP7	1	1	0	1	0	0	0	0	0	1	4
MMP8	1	1	0	1	0	0	0	0	0	1	4
MMP10	1	1	0	1	0	0	0	0	0	1	4
MOG	1	1	0	1	0	0	0	0	0	1	4
MOG	1	1	0	1	0	0	0	0	0	1	4
MOG	1	1	0	1	0	0	0	0	0	1	4
MOG	1	1	0	1	0	0	0	0	0	1	4
MOG	1	1	0	1	0	0	0	0	0	1	4
MPP3	1	1	0	1	0	0	0	0	0	1	4

LOC440087	1	1	0	1	0	0	0	0	0	1	4
RP11-11C5.2	1	1	0	1	0	0	0	0	0	1	4
CCDC88C	1	1	0	1	0	0	0	0	0	1	4
MSI1	1	1	0	1	0	0	0	0	0	1	4
MSR1	1	1	0	1	0	0	0	0	0	1	4
MTAP	1	1	0	1	0	0	0	0	0	1	4
MTF1	1	1	0	1	0	0	0	0	0	1	4
MUC7	1	1	0	1	0	0	0	0	0	1	4
ASTN1	1	1	0	1	0	0	0	0	0	1	4
MYBPC1	0	1	0	1	1	1	0	0	0	0	4
MYCN	1	1	0	1	1	0	0	0	0	0	4
ZFHX3	1	1	0	1	0	0	0	0	0	1	4
MYO1E	1	1	0	1	0	0	0	0	0	1	4
MYO5A	1	1	0	1	0	0	0	0	0	1	4
MYO5B	1	1	0	1	0	0	0	0	0	1	4
MYO6	1	1	0	1	0	0	0	0	0	1	4
MYO9B	1	1	0	1	0	0	0	0	0	1	4
MYO9B	1	1	0	1	0	0	0	0	0	1	4
PPP1R12B	1	0	0	1	1	0	0	0	0	1	4
PPP1R12B	0	1	0	1	1	0	0	0	0	1	4
NBN	1	1	0	1	0	0	0	0	0	1	4
NCBP1	1	1	0	1	0	0	0	0	0	1	4
ATM	1	1	0	1	0	0	0	0	0	1	4
RERE	1	1	0	1	0	0	0	0	0	1	4
SEPT2	1	1	0	1	0	0	0	0	0	1	4
NF1	1	1	0	1	0	0	0	0	0	1	4
NFYB	1	1	0	1	0	0	0	0	0	1	4
ATP1B2	1	1	0	1	0	0	0	0	0	1	4
NKTR	1	1	0	1	0	0	0	0	0	1	4
NKX2-2	1	1	0	1	1	0	0	0	0	0	4
CNOT2	1	1	0	1	0	0	0	0	0	1	4
NOTCH2	1	1	0	1	0	0	0	0	0	1	4
NOTCH4	1	1	0	1	0	0	0	0	0	1	4
NOVA1	0	0	0	1	1	1	0	0	0	1	4
NPAT	1	1	0	1	0	0	0	0	0	1	4
NPM1	0	1	0	1	1	1	0	0	0	0	4
NRAS	1	1	0	1	0	0	0	0	0	1	4
NRF1	1	1	0	1	0	0	0	0	0	1	4
NSF	1	1	0	1	0	0	0	0	0	1	4
ATP2B3	1	1	0	1	0	0	0	0	0	1	4
NTS	1	1	0	1	0	0	0	0	0	1	4

LOC493869	1	1	0	1	0	0	0	0	0	1	4
OGN	1	1	0	1	0	0	0	0	0	1	4
TNFRSF11B	1	1	0	1	0	0	0	0	0	1	4
ZNF295	1	1	0	1	0	0	0	0	0	1	4
OPRK1	1	1	0	1	0	0	0	0	0	1	4
PEBP1	1	1	0	1	0	0	0	0	0	1	4
RRM2B	1	1	0	1	0	0	0	0	0	1	4
MINK1	1	0	0	1	1	0	0	0	0	1	4
SERPINE1	1	1	0	1	0	0	0	0	0	1	4
ITSN2	1	1	0	1	0	0	0	0	0	1	4
PAK2	1	1	0	1	0	0	0	0	0	1	4
ARHGEF3	1	1	0	1	0	0	0	0	0	1	4
PARK2	1	1	0	1	0	0	0	0	0	1	4
PARN	1	1	0	1	0	0	0	0	0	1	4
PAX5	1	1	0	1	0	0	0	0	0	1	4
AK3	1	1	0	1	0	0	0	0	0	1	4
PAX9	1	1	0	1	0	0	0	0	0	1	4
SPOCK3	1	1	0	1	0	0	0	0	0	1	4
RNF141	1	1	0	1	0	0	0	0	0	1	4
PCBP1	1	1	0	1	1	0	0	0	0	0	4
PDE11A	1	1	0	1	0	0	0	0	0	1	4
ACOX1	1	1	0	1	0	0	0	0	0	1	4
SLC35C2	1	1	0	1	0	0	0	0	0	1	4
ASCC1	1	1	0	1	0	0	0	0	0	1	4
EXOSC3	1	1	0	1	0	0	0	0	0	1	4
EXOSC3	1	1	0	1	0	0	0	0	0	1	4
TMED7	1	1	0	1	0	0	0	0	0	1	4
RRP15	1	1	0	1	0	0	0	0	0	1	4
MRPS16	1	1	0	1	0	0	0	0	0	1	4
VPS36	1	1	0	1	0	0	0	0	0	1	4
FAM152A	1	1	0	1	0	0	0	0	0	1	4
ST8SIA3	1	1	0	1	0	0	0	0	0	1	4
FAM135B	1	1	0	1	0	0	0	0	0	1	4
TXNDC12	1	1	0	1	0	0	0	0	0	1	4
KLHL5	1	1	0	1	0	0	0	0	0	1	4
KLHL5	1	0	0	1	1	0	0	0	0	1	4
SH3GLB1	1	1	0	1	0	0	0	0	0	1	4
FAM82B	1	1	0	1	0	0	0	0	0	1	4
ASB3	1	1	0	1	0	0	0	0	0	1	4
MYO15A	1	1	0	1	0	0	0	0	0	1	4
SS18L2	1	1	0	1	0	0	0	0	0	1	4

CLDN18	1	1	0	1	0	0	0	0	0	1	4
PCSK1	1	1	0	1	0	0	0	0	0	1	4
VRK3	1	1	0	1	0	0	0	0	0	1	4
PDZD11	1	1	0	1	0	0	0	0	0	1	4
ZNF571	1	1	0	1	0	0	0	0	0	1	4
RBJ	1	1	0	1	0	0	0	0	0	1	4
C1RL	1	1	0	1	0	0	0	0	0	1	4
SLC25A37	1	1	0	1	0	0	0	0	0	1	4
PLAC8	1	1	0	1	0	0	0	0	0	1	4
PLAC8	1	1	0	1	0	0	0	0	0	1	4
SPG21	1	1	0	1	0	0	0	0	0	1	4
CRNKL1	1	1	0	1	0	0	0	0	0	1	4
KLRF1	1	1	0	1	0	0	0	0	0	1	4
HOOK1	1	1	0	1	0	0	0	0	0	1	4
CDC40	1	1	0	1	0	0	0	0	0	1	4
CRLF3	1	1	0	1	0	0	0	0	0	1	4
WNT16	1	1	0	1	0	0	0	0	0	1	4
PDE3B	1	1	0	1	0	0	0	0	0	1	4
PRKAG2	1	1	0	1	0	0	0	0	0	1	4
PCYOX1	1	1	0	1	0	0	0	0	0	1	4
ANKFY1	1	1	0	1	0	0	0	0	0	1	4
C22orf28	1	1	0	1	0	0	0	0	0	1	4
GTSE1	1	1	0	1	0	0	0	0	0	1	4
C14orf129	1	1	0	1	0	0	0	0	0	1	4
PCF11	1	1	0	1	1	0	0	0	0	0	4
TRIM33	1	1	0	1	0	0	0	0	0	1	4
PDK1	1	1	0	1	0	0	0	0	0	1	4
MRPS23	1	1	0	1	0	0	0	0	0	1	4
ZFR	1	1	0	1	0	0	0	0	0	1	4
ASB1	1	1	0	1	0	0	0	0	0	1	4
ENPP1	1	1	0	1	0	0	0	0	0	1	4
SUFU	1	1	0	1	0	0	0	0	0	1	4
PDPK1	1	1	0	1	0	0	0	0	0	1	4
SELT	1	1	0	1	0	0	0	0	0	1	4
SLC26A4	1	1	0	1	0	0	0	0	0	1	4
CMPK1	1	1	0	1	0	0	0	0	0	1	4
POLR3K	1	1	0	1	0	0	0	0	0	1	4
UPB1	1	1	0	1	0	0	0	0	0	1	4
RAB8B	1	1	0	1	0	0	0	0	0	1	4
ZAK	1	1	0	1	0	0	0	0	0	1	4
SIX4	1	1	0	1	0	0	0	0	0	1	4

PEX13	1	1	0	1	0	0	0	0	0	1	4
PF4V1	1	1	0	1	0	0	0	0	0	1	4
PFAS	1	1	0	1	0	0	0	0	0	1	4
ATP8B1	1	1	0	1	0	0	0	0	0	1	4
PFTK1	1	1	0	1	1	0	0	0	0	0	4
ATP6V1A	1	1	0	1	0	0	0	0	0	1	4
PGR	1	1	0	1	0	0	0	0	0	1	4
SERPINB9	1	1	0	1	0	0	0	0	0	1	4
PIN4	1	1	0	1	0	0	0	0	0	1	4
PKD2	1	1	0	1	0	0	0	0	0	1	4
PKP2	1	1	0	1	0	0	0	0	0	1	4
PLA2G4A	1	1	0	1	0	0	0	0	0	1	4
PLAG1	1	1	0	1	0	0	0	0	0	1	4
PLAU	1	1	0	1	0	0	0	0	0	1	4
BCL11A	1	1	0	1	0	0	0	0	0	1	4
CHIC1	1	1	0	1	0	0	0	0	0	1	4
PANK1	1	1	0	1	0	0	0	0	0	1	4
PLD1	1	1	0	1	0	0	0	0	0	1	4
PLEK	1	1	0	1	0	0	0	0	0	1	4
PLP1	1	1	0	1	1	0	0	0	0	0	4
PMAIP1	1	1	0	1	0	0	0	0	0	1	4
PML	1	1	0	1	0	0	0	0	0	1	4
ATP7B	1	1	0	1	0	0	0	0	0	1	4
BRWD1	1	1	0	1	0	0	0	0	0	1	4
BRWD1	1	1	0	1	0	0	0	0	0	1	4
BRWD1	1	1	0	1	0	0	0	0	0	1	4
FAM3B	1	1	0	1	0	0	0	0	0	1	4
GPR88	1	1	0	1	0	0	0	0	0	1	4
UBL3	1	1	0	1	0	0	0	0	0	1	4
PODXL	1	1	0	1	0	0	0	0	0	1	4
KCNK10	1	0	0	1	1	0	0	0	0	1	4
KCNK10	1	0	0	1	1	0	0	0	0	1	4
POLA1	1	1	0	1	0	0	0	0	0	1	4
GNG2	1	1	0	1	0	0	0	0	0	1	4
GDAP1	1	1	0	1	0	0	0	0	0	1	4
HAO1	1	1	0	1	0	0	0	0	0	1	4
POLR2K	1	1	0	1	0	0	0	0	0	1	4
SIAE	1	1	0	1	0	0	0	0	0	1	4
POMC	1	1	0	1	0	0	0	0	0	1	4
RIN2	1	1	0	1	0	0	0	0	0	1	4
XRN1	1	1	0	1	0	0	0	0	0	1	4

SMCR7L	1	1	0	1	0	0	0	0	0	1	4
NLE1	1	1	0	1	0	0	0	0	0	1	4
TXNDC10	1	1	0	1	0	0	0	0	0	1	4
RBM47	1	1	0	1	0	0	0	0	0	1	4
DHX29	1	1	0	1	0	0	0	0	0	1	4
POU3F2	1	1	0	1	0	0	0	0	0	1	4
MTMR12	1	1	0	1	0	0	0	0	0	1	4
CCNJ	1	1	0	1	0	0	0	0	0	1	4
KIAA1383	1	1	0	1	0	0	0	0	0	1	4
PPARA	1	1	0	1	0	0	0	0	0	1	4
TBC1D13	1	1	0	1	0	0	0	0	0	1	4
TMEM106B	1	1	0	1	0	0	0	0	0	1	4
MARCH5	1	1	0	1	0	0	0	0	0	1	4
OTUD4	1	1	0	1	0	0	0	0	0	1	4
EPDR1	1	1	0	1	0	0	0	0	0	1	4
ZRANB1	1	1	0	1	0	0	0	0	0	1	4
TET2	1	1	0	1	0	0	0	0	0	1	4
BNC2	1	1	0	1	0	0	0	0	0	1	4
KLHL24	1	1	0	1	0	0	0	0	0	1	4
CNNM2	1	1	0	1	0	0	0	0	0	1	4
ZNF586	1	1	0	1	0	0	0	0	0	1	4
AFTPH	0	0	0	1	1	1	0	0	0	1	4
ZNF280D	1	0	0	1	1	0	0	0	0	1	4
BSPRY	1	1	0	1	0	0	0	0	0	1	4
RBM35A	1	1	0	1	0	0	0	0	0	1	4
PAQR5	1	1	0	1	0	0	0	0	0	1	4
FAM46C	1	1	0	1	0	0	0	0	0	1	4
PGPEP1	1	1	0	1	0	0	0	0	0	1	4
C9orf167	1	1	0	1	0	0	0	0	0	1	4
C4orf30	1	1	0	1	0	0	0	0	0	1	4
ZCCHC2	1	1	0	1	0	0	0	0	0	1	4
UHRF1BP1	1	1	0	1	0	0	0	0	0	1	4
RNF43	1	1	0	1	0	0	0	0	0	1	4
ELOVL2	1	1	0	1	0	0	0	0	0	1	4
CMTM6	1	1	0	1	0	0	0	0	0	1	4
OCIAD1	1	1	0	1	0	0	0	0	0	1	4
OCIAD1	1	1	0	1	0	0	0	0	0	1	4
RNF125	1	1	0	1	0	0	0	0	0	1	4
PPM1B	1	1	0	1	0	0	0	0	0	1	4
TRSPAP1	1	1	0	1	0	0	0	0	0	1	4
C1orf27	1	1	0	1	0	0	0	0	0	1	4

FAM120C	1	1	0	1	0	0	0	0	0	1	4
C1orf109	1	1	0	1	0	0	0	0	0	1	4
SLC25A38	1	1	0	1	0	0	0	0	0	1	4
MOSC2	1	1	0	1	0	0	0	0	0	1	4
TMCO3	1	1	0	1	0	0	0	0	0	1	4
FLJ20699	1	1	0	1	0	0	0	0	0	1	4
PHIP	1	1	0	1	1	0	0	0	0	0	4
BANK1	1	1	0	1	0	0	0	0	0	1	4
FAM70A	1	1	0	1	0	0	0	0	0	1	4
HEATR3	1	1	0	1	0	0	0	0	0	1	4
USP47	1	1	0	1	0	0	0	0	0	1	4
NOL8	1	1	0	1	0	0	0	0	0	1	4
PTCD3	1	1	0	1	0	0	0	0	0	1	4
CDCA4	1	1	0	1	0	0	0	0	0	1	4
CDCA4	1	1	0	1	0	0	0	0	0	1	4
PPP1R2	1	1	0	1	0	0	0	0	0	1	4
ATG16L1	1	1	0	1	0	0	0	0	0	1	4
AIM1L	1	1	0	1	0	0	0	0	0	1	4
PPP1R3C	1	1	0	1	0	0	0	0	0	1	4
TMEM45A	1	1	0	1	0	0	0	0	0	1	4
IFT57	1	1	0	1	0	0	0	0	0	1	4
SOBP	1	1	0	1	0	0	0	0	0	1	4
C10orf118	1	1	0	1	0	0	0	0	0	1	4
PPP1R3D	1	1	0	1	0	0	0	0	0	1	4
C8orf32	1	1	0	1	0	0	0	0	0	1	4
ATG2B	1	1	0	1	0	0	0	0	0	1	4
AGGF1	1	1	0	1	0	0	0	0	0	1	4
FIGN	1	1	0	1	0	0	0	0	0	1	4
THAP1	1	1	0	1	0	0	0	0	0	1	4
THAP1	1	1	0	1	0	0	0	0	0	1	4
ARMC1	1	1	0	1	0	0	0	0	0	1	4
TMEM33	1	1	0	1	0	0	0	0	0	1	4
SHQ1	1	1	0	1	0	0	0	0	0	1	4
C20orf12	1	1	0	1	0	0	0	0	0	1	4
PBRM1	1	1	0	1	0	0	0	0	0	1	4
C12orf35	1	1	0	1	0	0	0	0	0	1	4
P15RS	1	1	0	1	0	0	0	0	0	1	4
APPL2	1	1	0	1	0	0	0	0	0	1	4
PPP2R3A	1	1	0	1	0	0	0	0	0	1	4
UBA6	1	1	0	1	0	0	0	0	0	1	4
CCDC25	1	1	0	1	0	0	0	0	0	1	4

ASXL2	1	1	0	1	0	0	0	0	0	1	4
TMEM19	1	1	0	1	0	0	0	0	0	1	4
ZNF654	1	1	0	1	0	0	0	0	0	1	4
UBE2W	1	1	0	1	0	0	0	0	0	1	4
TMEM40	1	1	0	1	0	0	0	0	0	1	4
SPTLC3	1	1	0	1	0	0	0	0	0	1	4
PEF1	1	1	0	1	0	0	0	0	0	1	4
RFK	1	1	0	1	0	0	0	0	0	1	4
TMEM144	1	1	0	1	0	0	0	0	0	1	4
C20orf29	1	1	0	1	0	0	0	0	0	1	4
FLJ11184	1	1	0	1	0	0	0	0	0	1	4
AGPAT5	1	1	0	1	0	0	0	0	0	1	4
C10orf59	1	1	0	1	0	0	0	0	0	1	4
PHCA	1	1	0	1	0	0	0	0	0	1	4
DRAM	1	1	0	1	0	0	0	0	0	1	4
WDR33	1	1	0	1	0	0	0	0	0	1	4
WDR33	1	1	0	1	0	0	0	0	0	1	4
LAPTM4B	1	1	0	1	0	0	0	0	0	1	4
SLC22A15	1	1	0	1	0	0	0	0	0	1	4
PI4K2A	0	1	0	1	1	0	0	0	0	1	4
HEMGN	1	1	0	1	0	0	0	0	0	1	4
MCM10	1	1	0	1	0	0	0	0	0	1	4
YOD1	1	1	0	1	0	0	0	0	0	1	4
TNFRSF19	1	1	0	1	0	0	0	0	0	1	4
ELAC1	1	1	0	1	0	0	0	0	0	1	4
ZNF823	1	1	0	1	0	0	0	0	0	1	4
GALNT10	1	1	0	1	0	0	0	0	0	1	4
C2orf29	1	1	0	1	0	0	0	0	0	1	4
CHRNA9	1	1	0	1	0	0	0	0	0	1	4
FERMT1	1	1	0	1	0	0	0	0	0	1	4
DOCK10	1	1	0	1	0	0	0	0	0	1	4
THUMPD1	1	1	0	1	0	0	0	0	0	1	4
ZDHHC7	1	0	0	1	1	0	0	0	0	1	4
TBC1D22B	1	1	0	1	0	0	0	0	0	1	4
ZNF673	1	1	0	1	0	0	0	0	0	1	4
ZNF673	1	1	0	1	0	0	0	0	0	1	4
TMEM127	1	1	0	1	0	0	0	0	0	1	4
DENND4C	1	1	0	1	0	0	0	0	0	1	4
RUFY2	1	1	0	1	0	0	0	0	0	1	4
C10orf6	1	1	0	1	0	0	0	0	0	1	4
ENAH	1	1	0	1	0	0	0	0	0	1	4

CCAR1	1	1	0	1	0	0	0	0	0	1	4
AGK	1	1	0	1	0	0	0	0	0	1	4
TMEM34	1	1	0	1	0	0	0	0	0	1	4
SEPT11	1	1	0	1	0	0	0	0	0	1	4
TMEM30A	1	1	0	1	0	0	0	0	0	1	4
ZNF701	1	1	0	1	0	0	0	0	0	1	4
H2AFJ	1	1	0	1	0	0	0	0	0	1	4
ZNF83	1	1	0	1	0	0	0	0	0	1	4
EXOC2	1	1	0	1	0	0	0	0	0	1	4
PRKCA	1	1	0	1	0	0	0	0	0	1	4
FLJ11171	1	1	0	1	0	0	0	0	0	1	4
CSGALNACT1	1	1	0	1	0	0	0	0	0	1	4
PCID2	1	1	0	1	0	0	0	0	0	1	4
SCN3B	1	1	0	1	0	0	0	0	0	1	4
DCP1A	1	1	0	1	0	0	0	0	0	1	4
LRP2BP	1	1	0	1	0	0	0	0	0	1	4
PAG1	1	1	0	1	0	0	0	0	0	1	4
TEX2	1	1	0	1	0	0	0	0	0	1	4
TMEM165	1	1	0	1	0	0	0	0	0	1	4
ACTR10	1	1	0	1	0	0	0	0	0	1	4
MLL5	1	1	0	1	0	0	0	0	0	1	4
LANCL2	1	1	0	1	0	0	0	0	0	1	4
PRKG1	1	1	0	1	0	0	0	0	0	1	4
NKRF	1	1	0	1	0	0	0	0	0	1	4
MAPK1	1	1	0	1	0	0	0	0	0	1	4
SEPT3	1	0	0	1	1	0	0	0	0	1	4
PRKX	1	1	0	1	0	0	0	0	0	1	4
PCDHB6	1	1	0	1	0	0	0	0	0	1	4
PCDHB3	1	1	0	1	0	0	0	0	0	1	4
ANKH	1	1	0	1	0	0	0	0	0	1	4
MOSPD1	1	1	0	1	0	0	0	0	0	1	4
ZNF253	1	1	0	1	0	0	0	0	0	1	4
RNF20	1	1	0	1	0	0	0	0	0	1	4
RP5-1022P6.2	1	1	0	1	0	0	0	0	0	1	4
WDR45L	1	1	0	1	0	0	0	0	0	1	4
PROX1	1	1	0	1	0	0	0	0	0	1	4
PRMT8	1	1	0	1	0	0	0	0	0	1	4
CYP26B1	1	1	0	1	0	0	0	0	0	1	4
TRIM39	1	0	0	1	1	0	0	0	0	1	4
MUC13	1	1	0	1	0	0	0	0	0	1	4
PSG9	1	1	0	1	0	0	0	0	0	1	4

ZC3HAV1	1	1	0	1	0	0	0	0	0	1	4
AGPAT3	1	1	0	1	0	0	0	0	0	1	4
AGPAT4	1	1	0	1	0	0	0	0	0	1	4
SPIRE1	1	1	0	1	0	0	0	0	0	1	4
SMARCAD1	1	1	0	1	0	0	0	0	0	1	4
DHX33	1	1	0	1	0	0	0	0	0	1	4
C11orf75	1	1	0	1	0	0	0	0	0	1	4
C11orf30	1	1	0	1	0	0	0	0	0	1	4
PRDM10	1	1	0	1	1	0	0	0	0	0	4
TULP4	1	1	0	1	0	0	0	0	0	1	4
CABC1	1	1	0	1	0	0	0	0	0	1	4
BAAT	1	1	0	1	0	0	0	0	0	1	4
ACN9	1	1	0	1	0	0	0	0	0	1	4
PARP11	1	1	0	1	0	0	0	0	0	1	4
C12orf5	1	1	0	1	0	0	0	0	0	1	4
GOPC	1	1	0	1	0	0	0	0	0	1	4
PAK7	1	1	0	1	0	0	0	0	0	1	4
KIAA1219	1	1	0	1	0	0	0	0	0	1	4
PHTF2	1	1	0	1	0	0	0	0	0	1	4
SLC39A10	1	1	0	1	0	0	0	0	0	1	4
ANKRD50	1	1	0	1	0	0	0	0	0	1	4
GPR126	1	1	0	1	0	0	0	0	0	1	4
KIAA1199	1	1	0	1	0	0	0	0	0	1	4
PTEN	1	1	0	1	0	0	0	0	0	1	4
PTGER3	1	1	0	1	0	0	0	0	0	1	4
SENP7	1	1	0	1	1	0	0	0	0	0	4
AICDA	1	1	0	1	0	0	0	0	0	1	4
TMEM27	1	1	0	1	0	0	0	0	0	1	4
PTGIS	1	1	0	1	0	0	0	0	0	1	4
C3orf14	1	1	0	1	0	0	0	0	0	1	4
SLC24A3	1	1	0	1	0	0	0	0	0	1	4
PTGS2	1	1	0	1	0	0	0	0	0	1	4
NDRG3	1	1	0	1	0	0	0	0	0	1	4
NDRG2	1	1	0	1	0	0	0	0	0	1	4
BIRC6	1	1	0	1	0	0	0	0	0	1	4
GALNTL1	1	1	0	1	0	0	0	0	0	1	4
FAM40B	1	1	0	1	0	0	0	0	0	1	4
ERMN	1	1	0	1	0	0	0	0	0	1	4
CNOT6	1	1	0	1	0	0	0	0	0	1	4
KIAA1211	1	1	0	1	0	0	0	0	0	1	4
NLN	1	1	0	1	0	0	0	0	0	1	4

MTUS1	1	1	0	1	0	0	0	0	0	1	4
COG6	1	1	0	1	0	0	0	0	0	1	4
HECW2	1	1	0	1	0	0	0	0	0	1	4
CASKIN1	1	1	0	1	0	0	0	0	0	1	4
PCDH19	1	1	0	1	0	0	0	0	0	1	4
CGN	1	1	0	1	0	0	0	0	0	1	4
TBC1D14	1	1	0	1	0	0	0	0	0	1	4
ZNF398	1	1	0	1	0	0	0	0	0	1	4
KLHDC5	1	1	0	1	0	0	0	0	0	1	4
IFT80	1	1	0	1	0	0	0	0	0	1	4
ARHGAP20	1	1	0	1	0	0	0	0	0	1	4
TRMT5	1	1	0	1	0	0	0	0	0	1	4
KIAA1407	1	1	0	1	0	0	0	0	0	1	4
TMEM181	1	1	0	1	0	0	0	0	0	1	4
WDFY1	1	1	0	1	0	0	0	0	0	1	4
SLAIN2	1	1	0	1	0	0	0	0	0	1	4
DIP2B	1	1	0	1	0	0	0	0	0	1	4
KIAA1467	1	1	0	1	0	0	0	0	0	1	4
SHROOM3	1	1	0	1	0	0	0	0	0	1	4
ZBTB2	1	1	0	1	0	0	0	0	0	1	4
ZFAT	1	1	0	1	0	0	0	0	0	1	4
KIAA1486	1	1	0	1	0	0	0	0	0	1	4
DPP10	1	0	0	1	1	0	0	0	0	1	4
KIAA1553	1	1	0	1	0	0	0	0	0	1	4
ZFP14	1	1	0	1	0	0	0	0	0	1	4
GPAM	1	1	0	1	0	0	0	0	0	1	4
ALS2	1	1	0	1	1	0	0	0	0	0	4
KIAA1576	1	1	0	1	0	0	0	0	0	1	4
USP37	1	1	0	1	0	0	0	0	0	1	4
DDX55	1	1	0	1	0	0	0	0	0	1	4
FANCM	1	1	0	1	0	0	0	0	0	1	4
DENND1A	1	1	0	1	0	0	0	0	0	1	4
KIAA1609	1	1	0	1	0	0	0	0	0	1	4
KIAA1632	1	1	0	1	0	0	0	0	0	1	4
PTPN3	1	1	0	1	0	0	0	0	0	1	4
RBAK	1	1	0	1	0	0	0	0	0	1	4
SLAMF7	1	1	0	1	0	0	0	0	0	1	4
PTPRB	1	1	0	1	0	0	0	0	0	1	4
PTPRC	1	1	0	1	0	0	0	0	0	1	4
NKX3-2	1	1	0	1	0	0	0	0	0	1	4
PTPRE	1	1	0	1	0	0	0	0	0	1	4

PURB	0	1	0	1	1	0	0	0	0	1	4
PXMP3	1	1	0	1	0	0	0	0	0	1	4
FAM108C1	1	1	0	1	0	0	0	0	0	1	4
C20orf77	1	1	0	1	0	0	0	0	0	1	4
MLL3	1	1	0	1	0	0	0	0	0	1	4
SELK	1	1	0	1	0	0	0	0	0	1	4
RBM25	1	1	0	1	0	0	0	0	0	1	4
DMRT3	1	1	0	1	0	0	0	0	0	1	4
RAD23B	1	1	0	1	0	0	0	0	0	1	4
RALA	1	1	0	1	0	0	0	0	0	1	4
ACTA2	1	1	0	1	0	0	0	0	0	1	4
RAP2A	1	1	0	1	0	0	0	0	0	1	4
JARID1A	1	1	0	1	0	0	0	0	0	1	4
PLEKHA1	1	1	0	1	0	0	0	0	0	1	4
GNB4	1	1	0	1	0	0	0	0	0	1	4
BCL2	1	1	0	1	0	0	0	0	0	1	4
PRPH2	1	1	0	1	0	0	0	0	0	1	4
RECQL	1	1	0	1	0	0	0	0	0	1	4
RFC1	1	1	0	1	0	0	0	0	0	1	4
RFC3	1	1	0	1	0	0	0	0	0	1	4
RFX2	1	1	0	1	0	0	0	0	0	1	4
RGS16	1	1	0	1	0	0	0	0	0	1	4
BCL6	0	0	0	1	1	1	0	0	0	1	4
RNASEL	1	1	0	1	0	0	0	0	0	1	4
TGIF2	1	1	0	1	0	0	0	0	0	1	4
MRPS35	1	1	0	1	0	0	0	0	0	1	4
RNF6	1	1	0	1	0	0	0	0	0	1	4
C2orf43	1	1	0	1	0	0	0	0	0	1	4
SCOC	1	0	0	1	1	0	0	0	0	1	4
ROBO2	1	1	0	1	0	0	0	0	0	1	4
HCN2	1	1	0	1	0	0	0	0	0	1	4
RP2	1	1	0	1	0	0	0	0	0	1	4
RPE65	1	1	0	1	0	0	0	0	0	1	4
RPL15	1	1	0	1	0	0	0	0	0	1	4
RPL28	1	1	0	1	0	0	0	0	0	1	4
RPN2	1	1	0	1	0	0	0	0	0	1	4
ZNF704	1	1	0	1	0	0	0	0	0	1	4
RPS6KA3	1	1	0	1	0	0	0	0	0	1	4
RPS6KB1	1	1	0	1	0	0	0	0	0	1	4
CLIP1	1	0	0	1	1	0	0	0	0	1	4
RYR3	1	1	0	1	0	0	0	0	0	1	4

SALL2	1	1	0	1	0	0	0	0	0	1	4
SC5DL	1	1	0	1	0	0	0	0	0	1	4
ATXN1	1	1	0	1	0	0	0	0	0	1	4
SCD	1	1	0	1	0	0	0	0	0	1	4
CCL8	1	1	0	1	0	0	0	0	0	1	4
CCL13	1	1	0	1	0	0	0	0	0	1	4
CCL22	1	1	0	1	0	0	0	0	0	1	4
CXCL5	1	1	0	1	0	0	0	0	0	1	4
SDC2	1	1	0	1	0	0	0	0	0	1	4
SH2D4A	1	1	0	1	0	0	0	0	0	1	4
PRDM1	1	1	0	1	0	0	0	0	0	1	4
NAPB	1	1	0	1	0	0	0	0	0	1	4
ANKRD5	1	1	0	1	0	0	0	0	0	1	4
XPNPEP3	1	1	0	1	0	0	0	0	0	1	4
MRPS14	1	1	0	1	0	0	0	0	0	1	4
ZNF667	1	1	0	1	0	0	0	0	0	1	4
PRDM15	1	1	0	1	0	0	0	0	0	1	4
SELE	1	1	0	1	0	0	0	0	0	1	4
RBM26	1	1	0	1	0	0	0	0	0	1	4
CDH23	1	1	0	1	0	0	0	0	0	1	4
XYLT1	1	1	0	1	0	0	0	0	0	1	4
ZFYVE20	1	1	0	1	0	0	0	0	0	1	4
NCAPG	1	1	0	1	0	0	0	0	0	1	4
MAP2K4	1	1	0	1	0	0	0	0	0	1	4
NECAB1	1	1	0	1	0	0	0	0	0	1	4
C14orf4	0	1	0	1	1	0	0	0	0	1	4
PDLIM2	1	1	0	1	0	0	0	0	0	1	4
SFRP4	1	1	0	1	0	0	0	0	0	1	4
SFRS1	1	1	0	1	0	0	0	0	0	1	4
PAPD5	1	1	0	1	0	0	0	0	0	1	4
SFRS5	1	1	0	1	0	0	0	0	0	1	4
DKFZP686E2158	1	1	0	1	0	0	0	0	0	1	4
SOX17	1	1	0	1	0	0	0	0	0	1	4
HHIP	1	1	0	1	0	0	0	0	0	1	4
RGS18	1	1	0	1	0	0	0	0	0	1	4
CENTD3	1	1	0	1	0	0	0	0	0	1	4
C5orf28	1	1	0	1	0	0	0	0	0	1	4
TMEM168	1	1	0	1	0	0	0	0	0	1	4
SUDS3	1	1	0	1	0	0	0	0	0	1	4
C14orf135	1	1	0	1	0	0	0	0	0	1	4

MRPS25	1	1	0	1	0	0	0	0	0	1	4
NOM1	1	1	0	1	0	0	0	0	0	1	4
C15orf56	1	1	0	1	0	0	0	0	0	1	4
ITSN1	1	1	0	1	0	0	0	0	0	1	4
GIGYF1	1	1	0	1	0	0	0	0	0	1	4
SHB	1	1	0	1	0	0	0	0	0	1	4
ACBD3	1	1	0	1	0	0	0	0	0	1	4
ATPAF1	1	1	0	1	0	0	0	0	0	1	4
TNS3	1	1	0	1	0	0	0	0	0	1	4
CREB3L2	1	1	0	1	0	0	0	0	0	1	4
IPPK	1	1	0	1	0	0	0	0	0	1	4
RABL5	1	1	0	1	0	0	0	0	0	1	4
DEPDC6	1	1	0	1	0	0	0	0	0	1	4
IL25	1	1	0	1	0	0	0	0	0	1	4
ST3GAL1	1	1	0	1	0	0	0	0	0	1	4
YTHDC2	1	1	0	1	0	0	0	0	0	1	4
SLC13A3	1	1	0	1	0	0	0	0	0	1	4
USP46	1	1	0	1	0	0	0	0	0	1	4
TTC23	1	1	0	1	0	0	0	0	0	1	4
SLA	1	1	0	1	0	0	0	0	0	1	4
REEP1	1	1	0	1	0	0	0	0	0	1	4
GPBP1	1	1	0	1	0	0	0	0	0	1	4
SLC1A2	1	1	0	1	0	0	0	0	0	1	4
ALS2CR4	1	1	0	1	0	0	0	0	0	1	4
TMEM135	1	1	0	1	0	0	0	0	0	1	4
SLC3A1	1	1	0	1	0	0	0	0	0	1	4
ZNF649	1	1	0	1	0	0	0	0	0	1	4
SLC5A3	1	1	0	1	0	0	0	0	0	1	4
SLC7A1	1	1	0	1	0	0	0	0	0	1	4
SLC7A2	1	1	0	1	0	0	0	0	0	1	4
SLC11A1	1	1	0	1	0	0	0	0	0	1	4
BMP8B	1	1	0	1	0	0	0	0	0	1	4
SLC22A3	1	1	0	1	0	0	0	0	0	1	4
SLC22A2	1	1	0	1	0	0	0	0	0	1	4
SLN	1	1	0	1	0	0	0	0	0	1	4
HLTF	1	1	0	1	0	0	0	0	0	1	4
HLTF	1	1	0	1	0	0	0	0	0	1	4
PLEKHA3	1	1	0	1	0	0	0	0	0	1	4
PHACTR4	1	1	0	1	0	0	0	0	0	1	4
CAPRIN2	1	1	0	1	0	0	0	0	0	1	4
MTMR9	1	1	0	1	0	0	0	0	0	1	4

BOLL	1	1	0	1	0	0	0	0	0	1	4
SUMO3	1	1	0	1	0	0	0	0	0	1	4
SIGLEC1	1	1	0	1	0	0	0	0	0	1	4
SNAP25	1	1	0	1	0	0	0	0	0	1	4
SNAPC3	1	1	0	1	0	0	0	0	0	1	4
SNX1	1	1	0	1	0	0	0	0	0	1	4
SNTB2	1	1	0	1	0	0	0	0	0	1	4
SON	0	1	0	1	1	1	0	0	0	0	4
SOS1	1	1	0	1	0	0	0	0	0	1	4
SP1	1	1	0	1	0	0	0	0	0	1	4
SPAG1	1	1	0	1	0	0	0	0	0	1	4
SPOCK1	1	1	0	1	0	0	0	0	0	1	4
SPP1	1	1	0	1	0	0	0	0	0	1	4
SPTBN1	1	1	0	1	0	0	0	0	0	1	4
SRF	1	1	0	1	0	0	0	0	0	1	4
SRPK2	1	1	0	1	0	0	0	0	0	1	4
SSR3	1	1	0	1	0	0	0	0	0	1	4
STAT3	1	1	0	1	0	0	0	0	0	1	4
STCH	1	1	0	1	0	0	0	0	0	1	4
STK4	1	1	0	1	0	0	0	0	0	1	4
SULT1C2	1	1	0	1	0	0	0	0	0	1	4
KLF9	1	1	0	1	0	0	0	0	0	1	4
TAF4	1	1	0	1	0	0	0	0	0	1	4
TAP2	1	1	0	1	0	0	0	0	0	1	4
TBCD	1	1	0	1	0	0	0	0	0	1	4
TBL1X	1	1	0	1	0	0	0	0	0	1	4
HNF1B	1	1	0	1	0	0	0	0	0	1	4
ACTC1	1	1	0	1	0	0	0	0	0	1	4
TEAD1	1	1	0	1	0	0	0	0	0	1	4
TFPI	1	1	0	1	0	0	0	0	0	1	4
TFRC	1	1	0	1	0	0	0	0	0	1	4
TGFBR1	1	1	0	1	0	0	0	0	0	1	4
TGFBR2	1	1	0	1	0	0	0	0	0	1	4
THRB	1	1	0	1	0	0	0	0	0	1	4
TIAL1	1	1	0	1	0	0	0	0	0	1	4
TLOC1	1	1	0	1	0	0	0	0	0	1	4
TLR4	1	1	0	1	0	0	0	0	0	1	4
TSPAN8	1	1	0	1	0	0	0	0	0	1	4
TMEM1	1	1	0	1	0	0	0	0	0	1	4
TMF1	1	1	0	1	0	0	0	0	0	1	4
TNFAIP1	1	1	0	1	0	0	0	0	0	1	4

TNFAIP6	1	1	0	1	0	0	0	0	0	1	4
TPD52	1	1	0	1	0	0	0	0	0	1	4
NR2C2	1	1	0	1	0	0	0	0	0	1	4
TRAF1	1	1	0	1	0	0	0	0	0	1	4
TRPC1	1	1	0	1	0	0	0	0	0	1	4
TRPC6	1	1	0	1	0	0	0	0	0	1	4
TSG101	1	1	0	1	0	0	0	0	0	1	4
DNAJC7	1	1	0	1	0	0	0	0	0	1	4
TUB	1	1	0	1	0	0	0	0	0	1	4
D2HGDH	1	1	0	1	0	0	0	0	0	1	4
TNFSF4	1	1	0	1	0	0	0	0	0	1	4
TXK	1	1	0	1	0	0	0	0	0	1	4
UBE2A	1	1	0	1	0	0	0	0	0	1	4
UBE2D1	1	1	0	1	0	0	0	0	0	1	4
UBP1	1	1	0	1	0	0	0	0	0	1	4
USH2A	1	1	0	1	0	0	0	0	0	1	4
UVRAG	1	1	0	1	0	0	0	0	0	1	4
VBP1	1	1	0	1	0	0	0	0	0	1	4
VCAM1	1	1	0	1	0	0	0	0	0	1	4
VDR	1	1	0	1	0	0	0	0	0	1	4
VIP	1	1	0	1	0	0	0	0	0	1	4
VIPR2	1	1	0	1	0	0	0	0	0	1	4
WFS1	1	1	0	1	0	0	0	0	0	1	4
WHSC1	1	1	0	1	0	0	0	0	0	1	4
WHSC1	1	1	0	1	0	0	0	0	0	1	4
WNT11	1	1	0	1	1	0	0	0	0	0	4
LOC751071	1	1	0	1	0	0	0	0	0	1	4
YWHAB	1	1	0	1	0	0	0	0	0	1	4
C18orf1	1	1	0	1	0	0	0	0	0	1	4
SF1	1	1	0	1	0	0	0	0	0	1	4
SF1	1	1	0	1	0	0	0	0	0	1	4
ZFX	1	1	0	1	0	0	0	0	0	1	4
ZNF14	1	1	0	1	0	0	0	0	0	1	4
ZNF33B	1	1	0	1	0	0	0	0	0	1	4
ZKSCAN1	1	1	0	1	0	0	0	0	0	1	4
CA3	1	1	0	1	0	0	0	0	0	1	4
ZNF75	1	1	0	1	0	0	0	0	0	1	4
ZNF84	1	1	0	1	0	0	0	0	0	1	4
CA8	1	1	0	1	0	0	0	0	0	1	4
ZNF124	1	1	0	1	0	0	0	0	0	1	4
ZNF131	1	1	0	1	0	0	0	0	0	1	4

ZNF175	1	1	0	1	0	0	0	0	0	1	4
ZNF207	1	1	0	1	0	0	0	0	0	1	4
ZNF207	1	0	0	1	1	0	0	0	0	1	4
ZFAND5	1	1	0	1	0	0	0	0	0	1	4
ZFAND5	1	0	0	1	1	0	0	0	0	1	4
ZNF217	1	1	0	1	0	0	0	0	0	1	4
ZNF229	1	1	0	1	0	0	0	0	0	1	4
ZNF236	1	1	0	1	0	0	0	0	0	1	4
LRP8	1	1	0	1	0	0	0	0	0	1	4
EVI5	1	1	0	1	0	0	0	0	0	1	4
CACNB2	1	0	0	1	1	0	0	0	0	1	4
CACNB2	1	0	0	1	1	0	0	0	0	1	4
CACNB2	1	0	0	1	1	0	0	0	0	1	4
CACNB2	1	0	0	1	1	0	0	0	0	1	4
CACNB2	1	0	0	1	1	0	0	0	0	1	4
GCS1	1	1	0	1	0	0	0	0	0	1	4
SLMAP	1	1	0	1	0	0	0	0	0	1	4
OTUB2	1	1	0	1	0	0	0	0	0	1	4
C7orf24	1	1	0	1	0	0	0	0	0	1	4
ZNF655	1	1	0	1	0	0	0	0	0	1	4
SECISBP2	1	1	0	1	0	0	0	0	0	1	4
REEP5	1	1	0	1	0	0	0	0	0	1	4
TRPM8	1	1	0	1	0	0	0	0	0	1	4
C1orf50	1	1	0	1	0	0	0	0	0	1	4
C19orf42	1	1	0	1	0	0	0	0	0	1	4
C1orf116	1	1	0	1	0	0	0	0	0	1	4
JOSD3	1	1	0	1	0	0	0	0	0	1	4
APOO	1	1	0	1	0	0	0	0	0	1	4
C20orf121	1	1	0	1	0	0	0	0	0	1	4
ZNF557	1	1	0	1	0	0	0	0	0	1	4
CALB1	1	1	0	1	0	0	0	0	0	1	4
RNF128	1	1	0	1	0	0	0	0	0	1	4
MUL1	1	1	0	1	0	0	0	0	0	1	4
RIC3	1	1	0	1	0	0	0	0	0	1	4
ACSS3	1	1	0	1	0	0	0	0	0	1	4
OGFRL1	1	1	0	1	0	0	0	0	0	1	4
SH3TC2	1	1	0	1	0	0	0	0	0	1	4
PANK3	1	1	0	1	0	0	0	0	0	1	4
NARG2	1	1	0	1	0	0	0	0	0	1	4
SMC6	1	1	0	1	0	0	0	0	0	1	4
STEAP4	1	1	0	1	0	0	0	0	0	1	4

ZYG11B	1	1	0	1	0	0	0	0	0	1	4
NOL9	1	1	0	1	0	0	0	0	0	1	4
CCDC51	1	1	0	1	0	0	0	0	0	1	4
PPCS	1	1	0	1	0	0	0	0	0	1	4
NSUN7	1	1	0	1	0	0	0	0	0	1	4
TTLL7	1	1	0	1	0	0	0	0	0	1	4
ZNF419	1	1	0	1	0	0	0	0	0	1	4
ZNF750	1	1	0	1	0	0	0	0	0	1	4
TXNDC15	1	1	0	1	0	0	0	0	0	1	4
ALG9	1	1	0	1	0	0	0	0	0	1	4
ALS2CR8	1	1	0	1	0	0	0	0	0	1	4
VASH2	1	1	0	1	0	0	0	0	0	1	4
NPAL2	1	1	0	1	0	0	0	0	0	1	4
ZMYM1	1	1	0	1	0	0	0	0	0	1	4
QSER1	1	1	0	1	0	0	0	0	0	1	4
SGK269	1	1	0	1	0	0	0	0	0	1	4
PIP4K2C	1	1	0	1	0	0	0	0	0	1	4
TUBAL3	1	1	0	1	0	0	0	0	0	1	4
RPAP2	1	1	0	1	0	0	0	0	0	1	4
THSD4	1	1	0	1	0	0	0	0	0	1	4
ZNF212	1	1	0	1	0	0	0	0	0	1	4
MAP9	1	1	0	1	0	0	0	0	0	1	4
LPCAT1	1	1	0	1	0	0	0	0	0	1	4
C10orf119	1	1	0	1	0	0	0	0	0	1	4
FLJ14213	1	1	0	1	0	0	0	0	0	1	4
CALCR	1	1	0	1	0	0	0	0	0	1	4
TUSC3	1	1	0	1	0	0	0	0	0	1	4
TUSC3	1	1	0	1	0	0	0	0	0	1	4
C2orf54	1	1	0	1	0	0	0	0	0	1	4
UBXD6	1	1	0	1	0	0	0	0	0	1	4
SLC35E1	1	1	0	1	0	0	0	0	0	1	4
C6orf134	1	1	0	1	0	0	0	0	0	1	4
C7orf58	1	1	0	1	0	0	0	0	0	1	4
DNAJB14	1	1	0	1	0	0	0	0	0	1	4
NIP30	1	1	0	1	0	0	0	0	0	1	4
PHC3	1	1	0	1	0	0	0	0	0	1	4
PANK2	1	1	0	1	0	0	0	0	0	1	4
TRPM3	1	1	0	1	0	0	0	0	0	1	4
C2orf37	1	1	0	1	0	0	0	0	0	1	4
CALM1	1	1	0	1	0	0	0	0	0	1	4
VCPIP1	1	1	0	1	0	0	0	0	0	1	4

C6orf97	1	1	0	1	0	0	0	0	0	1	4
NR4A3	0	0	0	1	1	1	0	0	0	1	4
THOC7	1	1	0	1	0	0	0	0	0	1	4
PQLC1	1	1	0	1	0	0	0	0	0	1	4
SPSB1	1	1	0	1	0	0	0	0	0	1	4
RNF34	1	0	0	1	1	0	0	0	0	1	4
C13orf23	1	0	0	1	1	0	0	0	0	1	4
CCDC92	1	1	0	1	0	0	0	0	0	1	4
COQ10B	1	1	0	1	0	0	0	0	0	1	4
LHX3	1	1	0	1	0	0	0	0	0	1	4
WDR26	1	1	0	1	0	0	0	0	0	1	4
C16orf70	1	1	0	1	0	0	0	0	0	1	4
CCDC6	1	1	0	1	0	0	0	0	0	1	4
WDR82	1	1	0	1	0	0	0	0	0	1	4
COASY	1	1	0	1	0	0	0	0	0	1	4
SHOC2	1	1	0	1	0	0	0	0	0	1	4
CSRP3	1	1	0	1	0	0	0	0	0	1	4
SNIP	1	1	0	1	0	0	0	0	0	1	4
THSD7B	1	1	0	1	0	0	0	0	0	1	4
ITIH5	1	1	0	1	0	0	0	0	0	1	4
ITIH5	1	1	0	1	0	0	0	0	0	1	4
ZNF436	1	1	0	1	0	0	0	0	0	1	4
KIAA1715	1	1	0	1	0	0	0	0	0	1	4
WNT5B	1	1	0	1	0	0	0	0	0	1	4
ZBP1	1	1	0	1	0	0	0	0	0	1	4
SLC25A32	1	1	0	1	0	0	0	0	0	1	4
OR51E2	1	1	0	1	0	0	0	0	0	1	4
CALU	1	1	0	1	0	0	0	0	0	1	4
GAN	1	1	0	1	0	0	0	0	0	1	4
SYNC1	1	1	0	1	0	0	0	0	0	1	4
FAM117A	1	1	0	1	1	0	0	0	0	0	4
C1orf21	1	1	0	1	0	0	0	0	0	1	4
COL21A1	1	1	0	1	1	0	0	0	0	0	4
SNX27	1	1	0	1	0	0	0	0	0	1	4
COIL	1	1	0	1	0	0	0	0	0	1	4
CAMK2D	1	1	0	1	0	0	0	0	0	1	4
CAMK2D	1	1	0	1	0	0	0	0	0	1	4
CAMK2G	0	0	0	1	1	1	0	0	0	1	4
VANGL1	1	1	0	1	0	0	0	0	0	1	4
SPRY4	1	1	0	1	0	0	0	0	0	1	4
ST6GALNAC5	1	1	0	1	0	0	0	0	0	1	4

LAS1L	1	1	0	1	0	0	0	0	0	1	4
NCOA3	1	1	0	1	0	0	0	0	0	1	4
USP9X	1	1	0	1	0	0	0	0	0	1	4
SMC1A	1	1	0	1	0	0	0	0	0	1	4
UBL4A	1	1	0	1	0	0	0	0	0	1	4
USP9Y	1	1	0	1	0	0	0	0	0	1	4
TRRAP	1	1	0	1	0	0	0	0	0	1	4
CAPZA2	1	1	0	1	0	0	0	0	0	1	4
PICALM	1	1	0	1	0	0	0	0	0	1	4
PCDH11Y	1	1	0	1	0	0	0	0	0	1	4
FCRL5	1	1	0	1	0	0	0	0	0	1	4
RAB33B	1	1	0	1	0	0	0	0	0	1	4
CASP2	1	1	0	1	0	0	0	0	0	1	4
CASP2	1	1	0	1	0	0	0	0	0	1	4
THAP2	1	1	0	1	0	0	0	0	0	1	4
NUDT12	1	1	0	1	0	0	0	0	0	1	4
SOX7	1	1	0	1	0	0	0	0	0	1	4
TMEM47	1	1	0	1	0	0	0	0	0	1	4
AMMECR1L	1	1	0	1	0	0	0	0	0	1	4
C19orf12	1	1	0	1	0	0	0	0	0	1	4
FAM107B	1	1	0	1	0	0	0	0	0	1	4
C8orf13	1	1	0	1	0	0	0	0	0	1	4
CRISPLD1	1	1	0	1	0	0	0	0	0	1	4
JAM3	1	1	0	1	0	0	0	0	0	1	4
ATG10	1	1	0	1	0	0	0	0	0	1	4
FRMD8	1	1	0	1	0	0	0	0	0	1	4
SYT15	1	1	0	1	0	0	0	0	0	1	4
SYT16	1	1	0	1	0	0	0	0	0	1	4
TMTC1	1	1	0	1	0	0	0	0	0	1	4
TTLL2	1	1	0	1	0	0	0	0	0	1	4
KCTD10	1	1	0	1	0	0	0	0	0	1	4
TMEM133	1	1	0	1	1	0	0	0	0	0	4
PIP4K2B	1	1	0	1	0	0	0	0	0	1	4
NCALD	1	1	0	1	0	0	0	0	0	1	4
NCALD	1	0	0	1	1	0	0	0	0	1	4
KATNAL1	1	1	0	1	0	0	0	0	0	1	4
SLC10A7	1	1	0	1	0	0	0	0	0	1	4
ANKRD27	1	1	0	1	0	0	0	0	0	1	4
ULK1	1	1	0	1	0	0	0	0	0	1	4
USP42	1	1	0	1	0	0	0	0	0	1	4
ZNRF3	1	1	0	1	0	0	0	0	0	1	4

SLC7A6OS	1	1	0	1	0	0	0	0	0	1	4
ZNF644	1	0	0	1	1	1	0	0	0	0	4
ZNF644	1	0	0	1	1	1	0	0	0	0	4
ZDHHC18	1	1	0	1	0	0	0	0	0	1	4
MED10	1	1	0	1	0	0	0	0	0	1	4
CAMKK1	1	1	0	1	0	0	0	0	0	1	4
SLC37A3	1	1	0	1	0	0	0	0	0	1	4
SLC37A3	1	1	0	1	0	0	0	0	0	1	4
HSDL2	1	1	0	1	0	0	0	0	0	1	4
YIPF4	1	1	0	1	0	0	0	0	0	1	4
STK24	1	1	0	1	0	0	0	0	0	1	4
BTBD10	1	1	0	1	0	0	0	0	0	1	4
MGC13057	1	1	0	1	0	0	0	0	0	1	4
ING5	1	1	0	1	0	0	0	0	0	1	4
CASP10	1	0	0	1	1	0	0	0	0	1	4
PCGF5	1	1	0	1	0	0	0	0	0	1	4
SOAT2	1	1	0	1	0	0	0	0	0	1	4
HOOK3	1	1	0	1	0	0	0	0	0	1	4
NSMAF	1	0	0	1	1	0	0	0	0	1	4
C15orf48	1	1	0	1	0	0	0	0	0	1	4
KIAA1826	1	1	0	1	0	0	0	0	0	1	4
LCOR	1	1	0	1	0	0	0	0	0	1	4
BTBD12	1	1	0	1	0	0	0	0	0	1	4
MEGF11	1	1	0	1	0	0	0	0	0	1	4
MEGF10	1	1	0	1	0	0	0	0	0	1	4
C14orf142	1	1	0	1	0	0	0	0	0	1	4
KIAA1853	1	1	0	1	0	0	0	0	0	1	4
ACSS1	1	1	0	1	0	0	0	0	0	1	4
KBTBD8	1	1	0	1	0	0	0	0	0	1	4
TMEM185A	1	1	0	1	0	0	0	0	0	1	4
PARD6G	1	1	0	1	0	0	0	0	0	1	4
KLF11	1	1	0	1	0	0	0	0	0	1	4
ZNF594	1	1	0	1	0	0	0	0	0	1	4
TTBK1	1	1	0	1	0	0	0	0	0	1	4
CCDC62	1	1	0	1	0	0	0	0	0	1	4
GTPBP3	1	1	0	1	0	0	0	0	0	1	4
PSRC1	1	1	0	1	0	0	0	0	0	1	4
OGT	1	0	0	1	1	0	0	0	0	1	4
CDC42BPA	1	0	0	1	1	0	0	0	0	1	4
FCRLA	1	1	0	1	0	0	0	0	0	1	4
MINA	1	1	0	1	0	0	0	0	0	1	4

ZNF514	1	1	0	1	0	0	0	0	0	1	4
RPUSD4	1	1	0	1	0	0	0	0	0	1	4
NFATC2IP	1	1	0	1	0	0	0	0	0	1	4
C9orf100	1	1	0	1	0	0	0	0	0	1	4
ZNF341	1	1	0	1	0	0	0	0	0	1	4
ZNF382	1	1	0	1	0	0	0	0	0	1	4
SLC35B4	1	1	0	1	0	0	0	0	0	1	4
ZNF587	1	1	0	1	0	0	0	0	0	1	4
LRP11	1	1	0	1	0	0	0	0	0	1	4
ALG10	1	1	0	1	0	0	0	0	0	1	4
FIBCD1	1	1	0	1	0	0	0	0	0	1	4
RAB2B	1	1	0	1	0	0	0	0	0	1	4
ABHD13	1	1	0	1	0	0	0	0	0	1	4
LTV1	1	1	0	1	0	0	0	0	0	1	4
RANBP3	1	1	0	1	0	0	0	0	0	1	4
PPFIA1	1	1	0	1	0	0	0	0	0	1	4
C18orf45	1	1	0	1	0	0	0	0	0	1	4
GAS7	1	1	0	1	0	0	0	0	0	1	4
DDO	1	1	0	1	0	0	0	0	0	1	4
KRTAP4-5	1	1	0	1	0	0	0	0	0	1	4
CYP4F2	1	1	0	1	0	0	0	0	0	1	4
CSDA	1	1	0	1	1	0	0	0	0	0	4
CBX4	1	1	0	1	0	0	0	0	0	1	4
ALG2	1	1	0	1	0	0	0	0	0	1	4
EAF1	1	1	0	1	0	0	0	0	0	1	4
ZIC5	1	1	0	1	0	0	0	0	0	1	4
DCLK3	1	1	0	1	0	0	0	0	0	1	4
ZNF518B	1	1	0	1	0	0	0	0	0	1	4
FHDC1	1	1	0	1	0	0	0	0	0	1	4
SSH2	1	1	0	1	0	0	0	0	0	1	4
SELI	1	1	0	1	0	0	0	0	0	1	4
CDC14B	1	1	0	1	0	0	0	0	0	1	4
CDC14A	1	1	0	1	0	0	0	0	0	1	4
PRPF18	1	1	0	1	0	0	0	0	0	1	4
KMO	1	1	0	1	0	0	0	0	0	1	4
PDXK	1	1	0	1	0	0	0	0	0	1	4
MADD	1	1	0	1	0	0	0	0	0	1	4
GTPBP10	1	1	0	1	0	0	0	0	0	1	4
ACTL6A	1	0	0	1	1	0	0	0	0	1	4
ACTL6A	1	0	0	1	1	0	0	0	0	1	4
SLC25A12	1	1	0	1	0	0	0	0	0	1	4

PLA2G4C	1	1	0	1	0	0	0	0	0	1	4
USO1	1	1	0	1	0	0	0	0	0	1	4
TP63	1	1	0	1	0	0	0	0	0	1	4
TP63	1	1	0	1	0	0	0	0	0	1	4
CBFA2T3	1	0	0	1	1	0	0	0	0	1	4
KCNK5	1	1	0	1	0	0	0	0	0	1	4
DDX3Y	1	1	0	1	0	0	0	0	0	1	4
PDE5A	1	1	0	1	0	0	0	0	0	1	4
TNKS	1	1	0	1	0	0	0	0	0	1	4
CBL	1	1	0	1	0	0	0	0	0	1	4
SLC4A4	1	1	0	1	0	0	0	0	0	1	4
STX11	1	1	0	1	0	0	0	0	0	1	4
B3GALT1	1	1	0	1	0	0	0	0	0	1	4
NOL4	1	1	0	1	0	0	0	0	0	1	4
PNPT1	1	1	0	1	0	0	0	0	0	1	4
SNX4	1	1	0	1	0	0	0	0	0	1	4
C19orf2	1	1	0	1	0	0	0	0	0	1	4
RNMT	1	1	0	1	0	0	0	0	0	1	4
ADAM9	1	1	0	1	1	0	0	0	0	0	4
MTMR1	1	1	0	1	0	0	0	0	0	1	4
TNFRSF10B	1	1	0	1	0	0	0	0	0	1	4
SUCLG2	1	1	0	1	0	0	0	0	0	1	4
WDR22	1	1	0	1	0	0	0	0	0	1	4
AKAP4	1	1	0	1	0	0	0	0	0	1	4
PER3	1	1	0	1	0	0	0	0	0	1	4
ARHGEF7	0	0	0	1	1	1	0	0	0	1	4
PRPF4B	1	1	0	1	0	0	0	0	0	1	4
TIMELESS	1	1	0	1	0	0	0	0	0	1	4
HERC3	1	1	0	1	0	0	0	0	0	1	4
BSN	1	1	0	1	0	0	0	0	0	1	4
MBD4	1	1	0	1	0	0	0	0	0	1	4
WASF1	1	1	0	1	0	0	0	0	0	1	4
AP3D1	1	1	0	1	0	0	0	0	0	1	4
BTRC	1	1	0	1	0	0	0	0	0	1	4
WASL	1	1	0	1	0	0	0	0	0	1	4
HPS4	1	1	0	1	0	0	0	0	0	1	4
NAV1	1	1	0	1	0	0	0	0	0	1	4
SEC16B	1	1	0	1	0	0	0	0	0	1	4
STBD1	1	1	0	1	0	0	0	0	0	1	4
KBTBD6	1	1	0	1	0	0	0	0	0	1	4
CCNF	1	1	0	1	0	0	0	0	0	1	4

LIMD1	1	1	0	1	0	0	0	0	0	1	4
KALRN	1	1	0	1	0	0	0	0	0	1	4
KALRN	1	1	0	1	0	0	0	0	0	1	4
CDKL2	1	1	0	1	0	0	0	0	0	1	4
CCNG1	1	1	0	1	0	0	0	0	0	1	4
PHLDB2	1	1	0	1	0	0	0	0	0	1	4
FRMD7	1	1	0	1	0	0	0	0	0	1	4
UNC5A	1	1	0	1	0	0	0	0	0	1	4
RNF8	1	1	0	1	0	0	0	0	0	1	4
RNF8	1	1	0	1	0	0	0	0	0	1	4
FAM105B	1	1	0	1	0	0	0	0	0	1	4
SEMA5A	1	1	0	1	0	0	0	0	0	1	4
SPAG9	1	1	0	1	0	0	0	0	0	1	4
MAP7	1	1	0	1	0	0	0	0	0	1	4
SLC7A6	1	1	0	1	0	0	0	0	0	1	4
ZNF700	1	1	0	1	0	0	0	0	0	1	4
ZNF439	1	1	0	1	0	0	0	0	0	1	4
LYRM7	1	1	0	1	0	0	0	0	0	1	4
SYT7	1	1	0	1	0	0	0	0	0	1	4
CCDC126	1	1	0	1	0	0	0	0	0	1	4
CLDN10	1	1	0	1	0	0	0	0	0	1	4
CLDN8	1	1	0	1	0	0	0	0	0	1	4
DIRAS3	1	1	0	1	0	0	0	0	0	1	4
ZNF479	1	1	0	1	0	0	0	0	0	1	4
IL33	1	1	0	1	0	0	0	0	0	1	4
USP14	1	1	0	1	0	0	0	0	0	1	4
ACVR1B	1	1	0	1	0	0	0	0	0	1	4
MTMR6	1	1	0	1	0	0	0	0	0	1	4
C12orf29	1	1	0	1	0	0	0	0	0	1	4
CD1E	1	1	0	1	0	0	0	0	0	1	4
CD1E	1	1	0	1	0	0	0	0	0	1	4
DDX60L	1	1	0	1	0	0	0	0	0	1	4
CBFA2T2	1	0	0	1	1	0	0	0	0	1	4
ISX	1	1	0	1	0	0	0	0	0	1	4
RASL10B	1	1	0	1	0	0	0	0	0	1	4
ATPAF2	1	1	0	1	0	0	0	0	0	1	4
ZNF765	1	1	0	1	0	0	0	0	0	1	4
MYADM	1	1	0	1	0	0	0	0	0	1	4
SFRS2IP	1	1	0	1	0	0	0	0	0	1	4
YTHDC1	1	1	0	1	0	0	0	0	0	1	4
C14orf43	1	1	0	1	0	0	0	0	0	1	4

C14orf43	1	0	0	1	1	0	0	0	0	1	4
CABLES1	1	1	0	1	0	0	0	0	0	1	4
DDX21	1	1	0	1	0	0	0	0	0	1	4
ARRDC4	1	1	0	1	0	0	0	0	0	1	4
FAM58A	1	1	0	1	0	0	0	0	0	1	4
LMBRD2	1	1	0	1	0	0	0	0	0	1	4
DLGAP2	1	1	0	1	0	0	0	0	0	1	4
GLYATL1	1	1	0	1	0	0	0	0	0	1	4
CACNA2D2	1	0	0	1	1	0	0	0	0	1	4
MOBKL1A	1	1	0	1	0	0	0	0	0	1	4
TIFA	1	1	0	1	0	0	0	0	0	1	4
CCDC102A	1	1	0	1	0	0	0	0	0	1	4
ADAMTSL1	1	1	0	1	0	0	0	0	0	1	4
ACVR2B	1	1	0	1	0	0	0	0	0	1	4
MS4A1	1	1	0	1	0	0	0	0	0	1	4
PERLD1	1	1	0	1	0	0	0	0	0	1	4
B4GALT6	1	1	0	1	0	0	0	0	0	1	4
MAPK1IP1L	1	1	0	1	0	0	0	0	0	1	4
CACNA2D4	1	1	0	1	0	0	0	0	0	1	4
MGC21874	1	1	0	1	0	0	0	0	0	1	4
KL	1	1	0	1	0	0	0	0	0	1	4
ARHGAP18	1	1	0	1	0	0	0	0	0	1	4
CADPS2	1	1	0	1	0	0	0	0	0	1	4
SLC9A3R1	1	1	0	1	0	0	0	0	0	1	4
ADIPOQ	1	1	0	1	0	0	0	0	0	1	4
KIF3B	1	1	0	1	0	0	0	0	0	1	4
CIAO1	1	1	0	1	0	0	0	0	0	1	4
ACVRL1	1	1	0	1	0	0	0	0	0	1	4
ZRANB2	1	1	0	1	0	0	0	0	0	1	4
TMPRSS11D	1	1	0	1	0	0	0	0	0	1	4
SFXN5	1	1	0	1	0	0	0	0	0	1	4
SYTL4	1	1	0	1	0	0	0	0	0	1	4
ARHGAP12	1	1	0	1	0	0	0	0	0	1	4
ZNF264	1	1	0	1	0	0	0	0	0	1	4
CDYL	0	0	0	1	1	1	0	0	0	1	4
CDYL	0	0	0	1	1	1	0	0	0	1	4
MED26	1	1	0	1	0	0	0	0	0	1	4
QKI	1	1	0	1	0	0	0	0	0	1	4
QKI	1	1	0	1	0	0	0	0	0	1	4
GGPS1	1	1	0	1	0	0	0	0	0	1	4
HAND2	1	1	0	1	0	0	0	0	0	1	4

PCYT1B	1	1	0	1	0	0	0	0	0	1	4
MED20	1	1	0	1	0	0	0	0	0	1	4
ONECUT2	1	1	0	1	0	0	0	0	0	1	4
SLC4A7	1	1	0	1	0	0	0	0	0	1	4
SLC4A8	1	1	0	1	0	0	0	0	0	1	4
EEF1E1	1	1	0	1	0	0	0	0	0	1	4
BAG5	1	1	0	1	0	0	0	0	0	1	4
BAG4	1	1	0	1	0	0	0	0	0	1	4
BAG2	1	1	0	1	0	0	0	0	0	1	4
ENTPD6	1	1	0	1	0	0	0	0	0	1	4
H6PD	1	1	0	1	0	0	0	0	0	1	4
TSGA14	1	1	0	1	0	0	0	0	0	1	4
CREB5	1	1	0	1	0	0	0	0	0	1	4
RNF14	1	1	0	1	0	0	0	0	0	1	4
GDA	1	1	0	1	0	0	0	0	0	1	4
MTL5	1	1	0	1	0	0	0	0	0	1	4
MTL5	1	1	0	1	0	0	0	0	0	1	4
GCC2	1	1	0	1	0	0	0	0	0	1	4
HS2ST1	1	1	0	1	0	0	0	0	0	1	4
SOCS5	1	1	0	1	0	0	0	0	0	1	4
CD59	1	1	0	1	0	0	0	0	0	1	4
CEP135	1	1	0	1	0	0	0	0	0	1	4
WSCD2	1	1	0	1	0	0	0	0	0	1	4
CD69	1	1	0	1	0	0	0	0	0	1	4
EDEM1	1	1	0	1	0	0	0	0	0	1	4
ACYP1	1	1	0	1	0	0	0	0	0	1	4
ACYP1	1	1	0	1	0	0	0	0	0	1	4
KIAA0226	1	1	0	1	0	0	0	0	0	1	4
USP6NL	1	1	0	1	0	0	0	0	0	1	4
SEC14L5	1	1	0	1	0	0	0	0	0	1	4
NOS1AP	1	1	0	1	0	0	0	0	0	1	4
SEMA3E	1	1	0	1	0	0	0	0	0	1	4
KIAA0408	1	1	0	1	0	0	0	0	0	1	4
DOCK4	1	1	0	1	0	0	0	0	0	1	4
CP110	1	1	0	1	0	0	0	0	0	1	4
SLK	1	1	0	1	0	0	0	0	0	1	4
PHACTR2	1	1	0	1	0	0	0	0	0	1	4
PCDHA9	1	1	0	1	0	0	0	0	0	1	4
ZFYVE16	1	1	0	1	0	0	0	0	0	1	4
KIAA0247	1	1	0	1	0	0	0	0	0	1	4
RASSF2	1	1	0	1	0	0	0	0	0	1	4

RAPGEF5	1	1	0	1	0	0	0	0	0	1	4
SERTAD2	1	1	0	1	0	0	0	0	0	1	4
DAZAP2	1	0	0	1	1	0	0	0	0	1	4
KIAA0494	1	1	0	1	0	0	0	0	0	1	4
GIT2	1	1	0	1	0	0	0	0	0	1	4
SPATA2	1	1	0	1	0	0	0	0	0	1	4
ARHGEF17	1	1	0	1	0	0	0	0	0	1	4
MELK	1	1	0	1	0	0	0	0	0	1	4
ZBTB24	1	1	0	1	0	0	0	0	0	1	4
GAB2	1	1	0	1	0	0	0	0	0	1	4
MFAP3L	1	1	0	1	0	0	0	0	0	1	4
CEP350	1	1	0	1	0	0	0	0	0	1	4
PJA2	1	1	0	1	0	0	0	0	0	1	4
ZC3H11A	1	1	0	1	0	0	0	0	0	1	4
DDX46	1	1	0	1	0	0	0	0	0	1	4
LBA1	1	1	0	1	0	0	0	0	0	1	4
TBC1D4	1	1	0	1	0	0	0	0	0	1	4
OSBPL2	1	1	0	1	0	0	0	0	0	1	4
SMG7	1	1	0	1	0	0	0	0	0	1	4
KIAA0196	1	1	0	1	0	0	0	0	0	1	4
SV2A	1	1	0	1	0	0	0	0	0	1	4
KBTBD11	1	1	0	1	0	0	0	0	0	1	4
ZBTB40	1	1	0	1	0	0	0	0	0	1	4
LPGAT1	1	1	0	1	0	0	0	0	0	1	4
CDC25A	1	1	0	1	0	0	0	0	0	1	4
HELZ	1	1	0	1	0	0	0	0	0	1	4
RBM8A	1	1	0	1	0	0	0	0	0	1	4
HS3ST3A1	1	1	0	1	0	0	0	0	0	1	4
HS3ST2	1	1	0	1	0	0	0	0	0	1	4
SLC23A2	1	1	0	1	0	0	0	0	0	1	4
TNFSF15	1	1	0	1	0	0	0	0	0	1	4
REC8	1	1	0	1	0	0	0	0	0	1	4
DGCR2	1	1	0	1	0	0	0	0	0	1	4
CTCF	1	1	0	0	1	0	0	0	0	1	4
FLJ38973	1	1	0	0	1	0	0	0	0	1	4
BTBD3	1	0	0	0	1	1	0	0	0	1	4
PALLD	1	1	0	0	1	0	0	0	0	1	4
NPTN	1	0	0	0	1	1	0	0	0	1	4
LOC388272	1	1	0	0	1	0	0	0	0	1	4
NPC1	1	1	0	0	1	0	0	0	0	1	4
ATP2A2	1	1	0	0	1	1	0	0	0	0	4

PAM	1	0	0	0	1	1	0	0	0	1	4
TMED5	1	1	0	0	1	0	0	0	0	1	4
PDK4	1	1	0	0	1	0	0	0	0	1	4
PPP1CB	1	0	0	0	1	1	0	0	0	1	4
PRKCD	1	0	0	0	1	1	0	0	0	1	4
PTPN9	1	1	0	0	1	0	0	0	0	1	4
PAPOLG	1	1	0	0	1	0	0	0	0	1	4
TAF5	1	1	0	0	1	0	0	0	0	1	4
HSP90B1	1	1	0	0	1	0	0	0	0	1	4
SGPP1	1	1	0	0	1	0	0	0	0	1	4
ZNF644	1	1	0	0	1	1	0	0	0	0	4
ATRN	1	1	0	0	1	0	0	0	0	1	4
C12orf34	1	1	0	0	1	1	0	0	0	0	4
ACTL6A	1	1	0	0	1	0	0	0	0	1	4
RAB11A	1	1	0	0	1	0	0	0	0	1	4
CACNA2D2	1	1	0	0	1	0	0	0	0	1	4
CD163	1	1	0	0	1	0	0	0	0	1	4
CD163	1	1	0	0	1	0	0	0	0	1	4
NRXN3	1	1	0	0	1	0	0	0	0	1	4
PUM1	1	0	0	0	1	1	0	0	0	1	4
HERPUD1	1	1	0	0	1	1	0	0	0	0	4
PCDHA3	0	1	0	0	1	1	0	0	0	1	4
ABI1	1	1	0	1	0	0	0	0	0	1	4
GNPDA1	1	1	0	1	0	0	1	0	0	0	4
BCL2L11	1	0	0	1	1	0	0	0	0	1	4
HMG2L1	1	1	0	1	0	0	0	0	0	1	4
SMC4	1	0	0	1	0	0	1	1	0	0	4
GJC1	1	1	0	1	0	0	0	0	0	1	4
GJC1	1	0	0	1	0	0	1	0	0	1	4
RWDD2B	1	1	0	1	0	0	1	0	0	0	4
SGK2	1	1	0	1	0	0	1	0	0	0	4
ARL4C	1	1	0	1	0	0	1	0	0	0	4
SFRS14	1	1	0	1	0	0	0	0	0	1	4
GPR64	1	1	0	1	0	0	0	0	0	1	4
GPR64	1	0	0	1	0	0	1	0	0	1	4
ZNF197	1	1	0	1	0	0	0	0	0	1	4
DHRS9	1	0	0	1	0	0	1	0	0	1	4
NME6	1	1	0	1	0	0	1	0	0	0	4
TRIM13	1	0	0	1	1	1	0	0	0	0	4
TRIM13	1	0	0	1	1	1	0	0	0	0	4
EIF1	1	1	0	1	0	0	1	0	0	0	4

CDK6	1	0	0	1	0	0	1	0	0	1	4
AP3S2	1	0	0	1	0	0	1	0	0	1	4
GLYAT	1	1	0	1	0	0	1	0	0	0	4
BET1	0	1	0	1	0	0	1	0	0	1	4
PAK4	1	0	0	1	0	0	1	0	0	1	4
PAK4	1	1	0	1	0	0	0	0	0	1	4
COX4NB	1	1	0	1	0	0	1	0	0	0	4
ADARB1	1	0	0	1	1	0	0	0	0	1	4
VAV3	1	1	0	1	0	0	1	0	0	0	4
SLC9A6	1	0	0	1	1	0	0	0	0	1	4
STK25	1	1	0	1	0	0	1	0	0	0	4
CEBPA	0	1	0	1	0	0	1	0	0	1	4
HYOU1	1	1	0	1	0	0	0	0	0	1	4
AGPAT1	1	0	0	1	1	0	0	0	0	1	4
SPTLC1	1	1	0	1	0	0	0	0	0	1	4
MTX2	1	1	0	1	0	0	0	0	0	1	4
YKT6	1	1	0	1	0	0	1	0	0	0	4
PNMA2	0	1	0	1	0	0	1	0	0	1	4
C1orf2	1	0	0	1	1	0	0	0	0	1	4
CFL1	1	1	0	1	0	0	1	0	0	0	4
NFAT5	1	0	0	1	1	0	0	0	0	1	4
NFAT5	1	0	0	1	1	0	0	0	0	1	4
CTSC	0	1	0	1	0	0	1	0	0	1	4
GJB6	1	1	0	1	0	0	0	0	0	1	4
FRS2	1	1	0	1	0	0	0	0	0	1	4
FRS2	1	0	0	1	0	0	1	0	0	1	4
C5orf3	1	1	0	1	0	0	1	0	0	0	4
PDE10A	1	0	0	1	0	0	1	0	0	1	4
MSL3L1	1	1	0	1	0	0	1	0	0	0	4
GCN1L1	1	1	0	1	0	0	1	0	0	0	4
KDELR2	1	1	0	1	0	0	0	0	0	1	4
LILRB3	0	1	0	1	0	0	1	0	0	1	4
DDX52	1	1	0	1	0	0	0	0	0	1	4
DDX52	0	0	1	1	0	0	1	0	0	1	4
CHD2	0	1	0	1	0	0	1	0	0	1	4
DIDO1	1	1	0	1	0	0	0	0	0	1	4
BTN2A1	1	1	0	1	0	0	1	0	0	0	4
ZWINT	1	1	0	1	0	0	1	0	0	0	4
DMC1	1	1	0	1	0	0	1	0	0	0	4
NUDT4	1	1	0	1	0	0	0	0	0	1	4
PSIP1	1	1	0	1	0	0	0	0	0	1	4

PSIP1	1	0	0	1	0	0	1	0	0	1	4
FAM107A	1	1	0	1	0	0	0	0	0	1	4
FAM107A	1	0	0	1	0	0	1	0	0	1	4
LZTS1	1	1	0	1	0	0	1	0	0	0	4
ADCY6	1	1	0	1	0	0	1	0	0	0	4
LARP4	1	1	0	1	0	0	0	0	0	1	4
TMEM106A	1	1	0	1	0	0	0	0	0	1	4
RNF13	1	0	0	1	0	0	1	0	0	1	4
RNF13	1	1	0	1	0	0	0	0	0	1	4
ZNF257	0	1	0	1	0	0	1	0	0	1	4
PALM2	0	0	1	1	0	0	1	0	0	1	4
EFHC1	0	1	0	1	0	0	1	0	0	1	4
CHRNE	1	1	0	1	0	0	1	0	0	0	4
ERMAP	1	1	0	1	0	0	0	0	0	1	4
SORCS1	1	1	0	1	0	0	0	0	0	1	4
OSBPL8	1	0	0	1	1	0	0	0	0	1	4
C1QTNF3	1	1	0	1	0	0	1	0	0	0	4
C1QTNF7	1	1	0	1	0	0	0	0	0	1	4
ZNF618	0	1	0	1	0	0	1	0	0	1	4
MARCH3	1	1	0	1	0	0	1	0	0	0	4
OMA1	1	1	0	1	0	0	1	0	0	0	4
GBP4	1	1	0	1	0	0	1	0	0	0	4
CISH	1	1	0	1	0	0	0	0	0	1	4
LRRC58	0	1	0	1	0	0	1	0	0	1	4
IL22RA2	1	1	0	1	0	0	0	0	0	1	4
LEAP2	1	1	0	1	0	0	1	0	0	0	4
RAB3IP	1	1	0	1	0	0	0	0	0	1	4
RAB3IP	1	1	0	1	0	0	0	0	0	1	4
MRGPRX2	1	1	0	1	0	0	1	0	0	0	4
ADD1	1	1	0	1	0	0	0	0	0	1	4
ADD1	1	0	0	1	0	0	1	0	0	1	4
CLCN4	0	1	0	1	0	0	1	0	0	1	4
CLCN5	1	1	0	1	0	0	0	0	0	1	4
ANTXR2	0	1	0	1	0	0	1	0	0	1	4
FAM24A	1	1	0	1	0	0	1	0	0	0	4
C10orf83	1	1	0	1	0	0	0	0	0	1	4
C10orf83	1	0	0	1	0	0	1	0	0	1	4
ZFYVE27	1	0	0	1	0	0	1	0	0	1	4
ZFYVE27	1	1	0	1	0	0	0	0	0	1	4
PNLIPRP3	1	1	0	1	0	0	1	0	0	0	4
CLTC	1	1	0	1	0	0	1	0	0	0	4

SLAIN1	1	0	0	1	1	1	0	0	0	0	4
SOCS4	1	1	0	1	0	0	0	0	0	1	4
CCR3	1	1	0	1	0	0	0	0	0	1	4
SLC38A10	1	1	0	1	0	0	1	0	0	0	4
CANT1	1	0	0	1	0	0	1	0	0	1	4
USH1G	1	1	0	1	0	0	1	0	0	0	4
C18orf37	1	1	0	1	0	0	1	0	0	0	4
COL1A2	1	1	0	1	0	0	1	0	0	0	4
C20orf85	1	1	0	1	0	0	1	0	0	0	4
TBC1D20	1	1	0	1	0	0	1	0	0	0	4
C22orf39	0	1	0	1	0	0	1	0	0	1	4
XIRP2	1	1	0	1	0	0	1	0	0	0	4
LOC130074	1	1	0	1	0	0	1	0	0	0	4
ALS2CR12	1	1	0	1	0	0	0	0	0	1	4
ALS2CR12	1	0	0	1	0	0	1	0	0	1	4
LYPD6	1	1	0	1	0	0	1	0	0	0	4
CD200R1	1	0	0	1	0	0	1	0	0	1	4
CD200R1	1	1	0	1	0	0	0	0	0	1	4
GLYCTK	1	1	0	1	0	0	1	0	0	0	4
SYNPR	1	1	0	1	0	0	0	0	0	1	4
TMEM155	1	1	0	1	0	0	1	0	0	0	4
DNAJC21	1	1	0	1	0	0	0	0	0	1	4
GRPEL2	1	1	0	1	0	0	1	0	0	0	4
ADAT2	0	1	0	1	0	0	1	0	0	1	4
ADORA2A	1	1	0	1	0	0	1	0	0	0	4
PM20D2	1	1	0	1	0	0	1	0	0	0	4
CP	1	1	0	1	0	0	1	0	0	0	4
LRGUK	1	1	0	1	0	0	1	0	0	0	4
WDR21C	0	1	0	1	0	0	1	0	0	1	4
PTPDC1	1	1	0	1	0	0	0	0	0	1	4
PTPDC1	1	0	0	1	0	0	1	0	0	1	4
C9orf23	1	1	0	1	0	0	0	0	0	1	4
C9orf23	1	0	0	1	0	0	1	0	0	1	4
CRHBP	1	1	0	1	0	0	1	0	0	0	4
MYO3B	1	1	0	1	0	0	1	0	0	0	4
RIMS4	1	1	0	1	0	0	1	0	0	0	4
UBE2F	1	1	0	1	0	0	1	0	0	0	4
SMCR8	0	1	0	1	0	0	1	0	0	1	4
C5orf20	0	1	0	1	0	0	1	0	0	1	4
UBQLNL	1	1	0	1	0	0	1	0	0	0	4
KDELC2	1	1	0	1	0	0	1	0	0	0	4

ALG10B	0	1	0	1	0	0	1	0	0	1	4
ZNF664	0	1	0	1	0	0	1	0	0	1	4
RDH12	1	1	0	1	0	0	1	0	0	0	4
ZADH1	1	0	0	1	0	0	1	0	0	1	4
C16orf71	1	1	0	1	0	0	1	0	0	0	4
TOM1L2	0	1	0	1	0	0	1	0	0	1	4
ZNRF4	1	1	0	1	0	0	1	0	0	0	4
CTBS	0	1	0	1	0	0	1	0	0	1	4
CTH	1	1	0	1	0	0	1	0	0	0	4
FBXO41	0	1	0	1	0	0	1	0	0	1	4
ARL6IP6	1	1	0	1	0	0	1	0	0	0	4
SLC16A14	1	1	0	1	0	0	1	0	0	0	4
GPR155	1	0	0	1	0	0	1	0	0	1	4
GPR155	1	1	0	1	0	0	0	0	0	1	4
TTC14	1	1	0	1	0	0	0	0	0	1	4
RNF38	1	1	0	1	0	0	0	0	0	1	4
IGSF11	1	1	0	1	0	0	0	0	0	1	4
NFXL1	1	1	0	1	0	0	1	0	0	0	4
CCDC112	1	0	0	1	0	0	1	0	1	0	4
CYLD	1	1	0	1	0	0	0	0	0	1	4
CYLD	1	0	0	1	0	0	1	0	0	1	4
ZNF425	1	1	0	1	0	0	1	0	0	0	4
RBM33	1	1	0	1	0	0	0	0	0	1	4
VPS13B	1	1	0	1	0	0	0	0	0	1	4
FAM91A1	1	1	0	1	0	0	1	0	0	0	4
ZNF483	1	1	0	1	0	0	0	0	0	1	4
PRUNE2	1	1	0	1	0	0	0	0	0	1	4
CYP19A1	1	1	0	1	0	0	0	0	0	1	4
CYP19A1	1	0	0	1	0	0	1	0	0	1	4
DACH1	1	1	0	1	0	0	1	0	0	0	4
DAD1	1	1	0	1	0	0	1	0	0	0	4
CLEC12A	0	1	0	1	0	0	1	0	0	1	4
DGKH	1	1	0	1	0	0	0	0	0	1	4
LOC162073	0	1	0	1	0	0	1	0	0	1	4
C18orf54	1	0	0	1	0	0	1	0	0	1	4
ZNF320	0	1	0	1	0	0	1	0	0	1	4
DCN	1	1	0	1	0	0	0	0	0	1	4
DCN	1	1	0	1	0	0	0	0	0	1	4
SPATA5	0	1	0	1	0	0	1	0	0	1	4
COL22A1	1	1	0	1	0	0	1	0	0	0	4
SNX31	1	1	0	1	0	0	1	0	0	0	4

S100Z	0	1	0	1	0	0	1	0	0	1	4
ADAMTS17	1	1	0	1	0	0	1	0	0	0	4
SYNPO2	1	1	0	1	0	0	0	0	0	1	4
SYNPO2	1	1	0	1	0	0	0	0	0	1	4
DIO2	0	1	0	1	1	0	0	0	0	1	4
DIO2	0	0	0	1	1	0	1	0	0	1	4
ACAN	0	1	0	1	0	0	1	0	0	1	4
AGL	1	0	0	1	0	0	1	0	0	1	4
DRP2	0	1	0	1	0	0	1	0	0	1	4
DSC1	1	1	0	1	0	0	0	0	0	1	4
DSC3	1	1	0	1	0	0	0	0	0	1	4
SLC26A2	1	1	0	1	0	0	1	0	0	0	4
DTNA	1	1	0	1	0	0	0	0	0	1	4
DTNA	1	0	0	1	1	0	0	0	0	1	4
DTNA	1	0	0	1	0	0	1	0	0	1	4
AGTR1	0	0	1	1	0	0	1	0	0	1	4
AGXT	1	1	0	1	0	0	1	0	0	0	4
EDA	1	1	0	1	0	0	1	0	0	0	4
AHR	0	1	0	1	0	0	1	0	0	1	4
EIF1AX	0	1	0	1	0	0	1	0	0	1	4
LOC196415	0	1	0	1	0	0	1	0	0	1	4
C12orf12	0	1	0	1	0	0	1	0	0	1	4
GRAMD2	1	1	0	1	0	0	1	0	0	0	4
ACSF3	1	0	0	1	0	0	1	0	0	1	4
EIF4EBP2	1	1	0	1	0	0	1	0	0	0	4
DZIP1L	1	1	0	1	0	0	1	0	0	0	4
C1orf69	1	1	0	1	0	0	1	0	0	0	4
TAPT1	0	1	0	1	0	0	1	0	0	1	4
TUBB	1	1	0	1	0	0	0	0	0	1	4
EPB41	1	0	0	1	0	0	1	0	0	1	4
EPB41	1	1	0	1	0	0	0	0	0	1	4
DDX26B	1	1	0	1	0	0	1	0	0	0	4
STX2	1	1	0	1	0	0	0	0	0	1	4
EYA4	1	0	0	1	1	0	0	0	0	1	4
ERG	1	0	0	1	0	0	1	0	0	1	4
ERG	1	1	0	1	0	0	0	0	0	1	4
ESR1	1	1	0	1	0	0	0	0	0	1	4
ESR1	1	0	1	1	0	0	0	0	0	1	4
EVI2A	1	1	0	1	0	0	0	0	0	1	4
EXT2	0	0	0	1	0	0	1	0	1	1	4
EXT2	1	1	0	1	0	0	0	0	0	1	4

TYSND1	1	1	0	1	0	0	1	0	0	0	4
SLC39A12	1	0	0	1	1	0	1	0	0	0	4
FKTN	0	0	0	1	0	0	1	1	0	1	4
FKTN	1	1	0	1	0	0	0	0	0	1	4
ATXN7L1	1	1	0	1	0	0	0	1	0	0	4
GPC5	0	1	0	1	0	0	1	0	0	1	4
FKBP1A	1	1	0	1	0	0	0	0	0	1	4
ZNF652	0	1	0	1	0	0	1	0	0	1	4
FNDC3A	1	0	0	1	1	0	0	0	0	1	4
KIN	1	1	0	1	0	0	1	0	0	0	4
PCNX	0	1	0	1	0	0	1	0	0	1	4
LIMCH1	0	1	0	1	0	0	1	0	0	1	4
RAB21	1	1	0	1	0	0	1	0	0	0	4
FNBP1	1	1	0	1	0	0	1	0	0	0	4
KIF1B	1	1	0	1	0	0	1	0	0	0	4
TBC1D2B	1	1	0	1	0	0	0	0	0	1	4
TBC1D2B	1	1	0	1	0	0	0	0	0	1	4
GARNL4	0	1	0	1	0	0	1	0	0	1	4
SEPT6	1	1	0	1	0	0	1	0	0	0	4
SEPT7	1	1	0	1	0	0	0	0	0	1	4
CEP68	1	1	0	1	0	0	1	0	0	0	4
RGL1	1	1	0	1	0	0	1	0	0	0	4
JMJD6	0	1	0	1	0	0	1	0	0	1	4
VPS13A	1	1	0	1	0	0	0	0	0	1	4
ANKRD28	1	1	0	1	0	0	1	0	0	0	4
ATP11A	1	1	0	1	0	0	0	0	0	1	4
IQCE	0	1	0	1	0	0	1	0	0	1	4
TMEM194	1	1	0	1	0	0	0	0	0	1	4
KIAA0467	0	1	0	1	0	0	1	0	0	1	4
SYNE1	0	0	0	1	1	1	0	0	0	1	4
SYNE1	0	0	0	1	1	1	0	0	0	1	4
SYNE1	0	0	0	1	1	1	0	0	0	1	4
KIAA0895	1	1	0	1	0	0	0	0	0	1	4
KIAA0895	1	0	0	1	0	0	1	0	0	1	4
RHOQ	1	1	0	1	0	0	1	0	0	0	4
HEY1	1	0	0	1	0	0	1	0	0	1	4
HEY1	1	1	0	1	0	0	0	0	0	1	4
KIAA0240	1	1	0	1	0	0	1	0	0	0	4
DDAH1	1	1	0	1	0	0	0	0	0	1	4
FPRL1	1	1	0	1	0	0	0	0	0	1	4
FPRL1	0	0	0	1	0	0	1	1	0	1	4

RUSC1	0	1	0	1	0	0	1	0	0	1	4
KPNA6	1	1	0	1	0	0	1	0	0	0	4
PRKD3	1	1	0	1	0	0	1	0	0	0	4
EID1	0	1	0	1	0	0	1	0	0	1	4
BHMT2	1	1	0	1	0	0	1	0	0	0	4
IFIT5	1	1	0	1	0	0	1	0	0	0	4
STAC3	1	1	0	1	0	0	1	0	0	0	4
FUT5	0	1	0	1	0	0	1	0	0	1	4
TMEM9	1	1	0	1	0	0	1	0	0	0	4
GABRA1	1	0	1	1	0	0	0	0	0	1	4
GABRA1	1	1	0	1	0	0	0	0	0	1	4
BCL6B	0	1	0	1	0	0	1	0	0	1	4
CCRN4L	1	1	0	1	0	0	1	0	0	0	4
PRDX5	1	1	0	1	0	0	1	0	0	0	4
NIPBL	1	1	0	1	0	0	0	0	0	1	4
ZNF345	0	1	0	1	0	0	1	0	0	1	4
FAM119B	1	1	0	1	0	0	0	0	0	1	4
RNF19A	1	0	0	1	0	0	1	0	0	1	4
RCHY1	1	1	0	1	0	0	1	0	0	0	4
HSPA12A	1	1	0	1	0	0	1	0	0	0	4
MYRIP	1	1	0	1	0	0	1	0	0	0	4
NSL1	1	1	0	1	0	0	0	0	0	1	4
L3MBTL	1	1	0	1	0	0	0	0	0	1	4
L3MBTL	1	0	0	1	0	0	1	0	0	1	4
PIP3-E	1	1	0	1	0	0	0	0	0	1	4
CHD5	1	1	0	1	0	0	1	0	0	0	4
MAGI3	1	0	0	1	0	0	1	0	0	1	4
DNM3	0	1	0	1	0	0	1	0	0	1	4
HERC4	1	1	0	1	0	0	1	0	0	0	4
WSB1	1	0	0	1	1	0	0	0	0	1	4
TTLL3	1	1	0	1	0	0	0	0	0	1	4
RSL1D1	1	1	0	1	0	0	1	0	0	0	4
ARL5A	1	0	0	1	1	0	0	0	0	1	4
GBP1	1	1	0	1	0	0	1	0	0	0	4
LHX6	1	1	0	1	0	0	0	0	0	1	4
GCNT2	1	0	0	1	0	0	1	0	0	1	4
GCNT2	1	1	0	1	0	0	0	0	0	1	4
AMFR	1	1	0	1	0	0	1	0	0	0	4
GFRA1	0	1	0	1	0	0	1	0	0	1	4
HTF9C	1	1	0	1	0	0	1	0	0	0	4
D4S234E	1	1	0	1	0	0	0	0	0	1	4

D4S234E	1	0	0	1	0	0	1	0	0	1	4
DAPP1	1	1	0	1	0	0	1	0	0	0	4
GK	1	1	0	1	0	0	0	0	0	1	4
INVS	1	1	0	1	0	0	1	0	0	0	4
SNX5	1	1	0	1	0	0	0	0	0	1	4
ASAHL	1	1	0	1	0	0	0	0	0	1	4
DISC1	1	1	0	1	0	0	0	0	0	1	4
SERP1	1	1	0	1	0	0	1	0	0	0	4
GLRX	1	1	0	1	0	0	0	0	0	1	4
GPD2	1	1	0	1	0	0	0	0	0	1	4
GPM6A	1	1	0	1	0	0	0	0	0	1	4
GPM6A	1	0	0	1	0	0	1	0	0	1	4
GPR3	1	1	0	1	0	0	1	0	0	0	4
BLOC1S2	1	0	0	1	0	0	1	0	0	1	4
BLOC1S2	1	1	0	1	0	0	0	0	0	1	4
C11orf47	1	0	0	1	0	0	1	0	0	1	4
KSR2	0	1	0	1	0	0	1	0	0	1	4
GLT8D3	0	1	0	1	0	0	1	0	0	1	4
LOC283514	1	1	0	1	0	0	1	0	0	0	4
FLJ39743	0	1	0	1	0	0	1	0	0	1	4
FLJ35220	0	1	0	1	0	0	1	0	0	1	4
ZNF326	1	1	0	1	0	0	0	0	0	1	4
FAM80A	0	1	1	1	0	0	0	0	0	1	4
NKIRAS1	1	1	0	1	0	0	1	0	0	0	4
DPY19L4	1	1	0	1	0	0	1	0	0	0	4
C9orf47	1	0	0	1	0	0	1	0	0	1	4
ATP11C	1	1	0	1	0	0	0	0	0	1	4
GRB10	1	1	0	1	0	0	0	0	0	1	4
MRPS18B	1	1	0	1	0	0	0	0	0	1	4
MRPL42	1	1	0	1	0	0	1	0	0	0	4
NR3C1	1	1	0	1	0	0	0	0	0	1	4
NR3C1	1	1	0	1	0	0	0	0	0	1	4
GRLF1	0	1	0	1	0	0	1	0	0	1	4
GRM1	1	1	0	1	0	0	0	0	0	1	4
GRM1	1	1	0	1	0	0	0	0	0	1	4
GRM8	0	1	0	1	1	1	0	0	0	0	4
GSK3B	0	1	0	1	0	0	1	0	1	0	4
TMOD3	1	1	0	1	0	0	1	0	0	0	4
HIG2	1	1	0	1	0	0	0	0	0	1	4
HIG2	1	0	0	1	0	0	1	0	0	1	4
DSE	1	1	0	1	0	0	0	0	0	1	4

DSE	1	0	0	1	0	0	1	0	0	1	4
PADI1	1	1	0	1	0	0	1	0	0	0	4
MDFIC	1	1	0	1	0	0	1	0	0	0	4
NXPH1	1	1	0	1	0	0	1	0	0	0	4
EMR2	1	0	0	1	0	0	1	0	0	1	4
EMR2	1	1	0	1	0	0	0	0	0	1	4
CDR2L	1	1	0	1	0	0	1	0	0	0	4
UBE2K	0	1	0	1	0	0	1	0	0	1	4
HLA-B	0	1	0	1	0	0	1	0	0	1	4
ANXA11	1	1	0	1	0	0	0	0	0	1	4
ANXA11	1	0	0	1	0	0	1	0	0	1	4
HMGB2	1	1	0	1	0	0	0	0	0	1	4
HMGCS1	1	0	0	1	0	0	1	0	0	1	4
HNRNPC	1	1	0	1	0	0	0	0	0	1	4
HOXA1	1	1	0	1	0	0	0	0	0	1	4
HOXA3	1	0	0	1	0	0	1	0	0	1	4
HOXA7	1	1	0	1	0	0	1	0	0	0	4
HRH1	1	1	0	1	0	0	0	0	0	1	4
BIRC5	1	1	0	1	0	0	0	0	0	1	4
UBAC2	1	0	0	1	0	0	1	0	0	1	4
C17orf51	0	1	1	1	0	0	0	0	0	1	4
ICT1	1	1	0	1	0	0	1	0	0	0	4
C3orf35	0	1	0	1	0	0	1	0	0	1	4
ZDHHC21	1	1	0	1	0	0	1	0	0	0	4
C11orf53	1	1	0	1	0	0	1	0	0	0	4
STAC2	1	1	0	1	0	0	1	0	0	0	4
SH3MD4	0	1	0	1	0	0	1	0	0	1	4
IGF1	1	1	0	1	0	0	0	0	0	1	4
IGF1	1	1	0	1	0	0	0	0	0	1	4
FAM33A	1	1	0	1	0	0	0	0	0	1	4
SLCO4C1	1	1	0	1	0	0	1	0	0	0	4
TICAM2	0	1	0	1	0	0	1	0	0	1	4
FAS	1	1	0	1	0	0	0	0	0	1	4
IL1RAP	1	1	0	1	0	0	0	0	0	1	4
IL10	1	1	0	1	0	0	1	0	0	0	4
IL12B	1	1	0	1	0	0	1	0	0	0	4
IL13RA2	1	1	0	1	0	0	1	0	0	0	4
ITGA6	1	0	0	1	0	0	1	0	0	1	4
ITGA6	1	1	0	1	0	0	0	0	0	1	4
TRIM23	1	1	0	1	0	0	1	0	0	0	4
C7orf52	1	1	0	1	0	0	1	0	0	0	4

KCNJ1	1	1	0	1	0	0	0	0	0	1	4
KCNJ1	1	0	0	1	0	0	1	0	0	1	4
TNPO1	1	1	0	1	0	0	0	0	0	1	4
KRT82	1	1	0	1	0	0	1	0	0	0	4
LOC389073	1	1	0	1	0	0	1	0	0	0	4
LAMA3	1	1	0	1	0	0	1	0	0	0	4
NUDT19	0	1	0	1	0	0	1	0	0	1	4
TRIM61	1	1	0	1	0	0	1	0	0	0	4
LBR	1	0	0	1	1	0	0	0	0	1	4
LCP1	1	1	0	1	0	0	1	0	0	0	4
LEP	1	1	0	1	0	0	1	0	0	0	4
LIFR	1	0	1	1	0	0	0	0	0	1	4
LIFR	1	1	0	1	0	0	0	0	0	1	4
LIG4	1	0	0	1	0	0	1	0	0	1	4
ABLIM1	1	0	0	1	0	0	1	0	0	1	4
ABLIM1	1	1	0	1	0	0	0	0	0	1	4
METTL10	1	1	0	1	0	0	1	0	0	0	4
FLJ45803	0	1	0	1	0	0	1	1	0	0	4
RP5-1103G7.6	1	1	0	1	0	0	1	0	0	0	4
C8orf59	0	0	1	1	0	0	1	0	0	1	4
SAMD12	1	1	0	1	0	0	0	0	0	1	4
LRP6	0	1	0	1	0	0	1	0	0	1	4
TM4SF1	1	1	0	1	0	0	1	0	0	0	4
CAPRIN1	1	1	0	1	0	0	0	0	0	1	4
MAGEA4	1	1	0	1	0	0	0	0	0	1	4
MAP6	0	1	0	1	0	0	1	0	0	1	4
MAPT	1	1	0	1	0	0	0	0	0	1	4
MBNL1	1	1	0	1	0	0	0	0	0	1	4
MBP	1	1	0	1	0	0	0	0	0	1	4
CD46	1	0	0	1	0	0	1	0	0	1	4
CD46	1	1	0	1	0	0	0	0	0	1	4
MEF2A	1	1	0	1	0	0	1	0	0	0	4
MEIS2	1	0	0	1	1	1	0	0	0	0	4
MEIS2	1	0	0	1	1	1	0	0	0	0	4
MEIS2	1	0	0	1	1	1	0	0	0	0	4
MEIS2	1	0	0	1	1	1	0	0	0	0	4
MGAT3	1	0	0	1	0	0	1	0	0	1	4
MKI67	1	1	0	1	0	0	1	0	0	0	4
MLF1	1	1	0	1	0	0	0	0	0	1	4
MME	0	0	1	1	0	0	1	0	0	1	4
MOBP	1	1	0	1	0	0	1	0	0	0	4

MOCS2	1	1	0	1	0	0	1	0	0	0	4
MOG	1	1	0	1	0	0	0	0	0	1	4
MOG	1	1	0	1	0	0	0	0	0	1	4
MOG	1	1	0	1	0	0	0	0	0	1	4
MOG	1	1	0	1	0	0	0	0	0	1	4
MOG	1	1	0	1	0	0	0	0	0	1	4
EIF2AK4	1	1	0	1	0	0	1	0	0	0	4
UNC13C	1	1	0	1	0	0	1	0	0	0	4
MTHFR	1	1	0	1	0	0	1	0	0	0	4
MTM1	1	1	0	1	0	0	1	0	0	0	4
MUT	1	1	0	1	0	0	1	0	0	0	4
MYBL1	0	1	0	1	0	0	1	0	0	1	4
MYBPC1	0	1	0	1	1	1	0	0	0	0	4
MYL1	1	1	0	1	0	0	1	0	0	0	4
MYO7B	1	1	0	1	0	0	1	0	0	0	4
MYO9B	1	1	0	1	0	0	0	0	0	1	4
MYO9B	1	1	0	1	0	0	0	0	0	1	4
MYO10	0	1	0	1	0	0	1	0	0	1	4
PPP1R12B	1	0	0	1	1	0	0	0	0	1	4
NAP1L2	1	1	0	1	0	0	1	0	0	0	4
NBN	1	1	0	1	0	0	0	0	0	1	4
NCL	1	1	0	1	0	0	1	0	0	0	4
NDUFB1	0	1	0	1	1	0	1	0	0	0	4
RERE	1	1	0	1	0	0	0	0	0	1	4
RERE	1	0	0	1	0	0	1	0	0	1	4
SEPT2	1	0	0	1	0	0	1	0	0	1	4
SEPT2	1	1	0	1	0	0	0	0	0	1	4
NEO1	0	1	0	1	0	0	1	0	0	1	4
NFATC4	1	0	0	1	0	0	1	0	0	1	4
NOS1	1	1	0	1	0	0	1	0	0	0	4
NOS3	1	1	0	1	0	0	1	0	0	0	4
CNOT4	0	1	0	1	0	0	1	0	0	1	4
NOVA1	0	0	0	1	1	1	0	0	0	1	4
ROR2	1	1	0	1	0	0	1	0	0	0	4
OCA2	1	1	0	1	0	0	1	0	0	0	4
OGN	1	1	0	1	0	0	0	0	0	1	4
OGN	1	0	0	1	0	0	1	0	0	1	4
ZNF295	1	0	0	1	0	0	1	0	0	1	4
ZNF295	1	1	0	1	0	0	0	0	0	1	4
SCAPER	0	1	0	1	0	0	1	0	0	1	4
MINK1	1	0	0	1	1	0	0	0	0	1	4

PAFAH1B2	1	1	0	1	0	0	1	0	0	0	4
DUOX2	1	1	0	1	0	0	1	0	0	0	4
ARHGEF3	1	1	0	1	0	0	0	0	0	1	4
ARHGEF3	1	0	1	1	0	0	0	0	0	1	4
SLC35C2	1	1	0	1	0	0	0	0	0	1	4
EXOSC3	1	1	0	1	0	0	0	0	0	1	4
GOLT1B	1	1	0	1	0	0	1	0	0	0	4
KLHL5	1	0	0	1	1	0	0	0	0	1	4
ASB3	1	1	0	1	0	0	0	0	0	1	4
CYB5R4	1	1	0	1	0	0	1	0	0	0	4
CLDN18	1	1	0	1	0	0	0	0	0	1	4
CLDN18	1	0	0	1	0	0	1	0	0	1	4
PHF20	1	1	0	1	0	0	1	0	0	0	4
PLAC8	1	1	0	1	0	0	0	0	0	1	4
PLAC8	1	1	0	1	0	0	0	0	0	1	4
MRPL35	1	1	0	1	0	0	1	0	0	0	4
DACT1	1	1	0	1	0	0	1	0	0	0	4
ZNF117	0	1	0	1	0	0	1	0	0	1	4
UBE2J1	0	1	0	1	0	0	1	0	0	1	4
TRIAP1	1	1	0	1	0	0	1	0	0	0	4
VTA1	1	1	0	1	0	0	1	0	0	0	4
ARMCX3	1	0	0	1	0	0	1	0	0	1	4
KLF13	1	1	0	1	0	0	1	0	0	0	4
VPS24	1	0	0	1	0	0	1	0	0	1	4
TM7SF3	0	1	0	1	0	0	0	1	0	1	4
ZAK	1	1	0	1	0	0	0	0	0	1	4
PKHD1	1	1	0	1	0	0	1	0	0	0	4
PKP2	1	1	0	1	0	0	0	0	0	1	4
PLA2G5	1	1	0	1	0	0	1	0	0	0	4
PLAG1	1	1	0	1	0	0	0	0	0	1	4
PLP1	1	1	0	1	1	0	0	0	0	0	4
BRWD1	1	1	0	1	0	0	0	0	0	1	4
BRWD1	1	1	0	1	0	0	0	0	0	1	4
PODXL	1	0	0	1	0	0	1	0	0	1	4
PODXL	1	1	0	1	0	0	0	0	0	1	4
KCNK10	1	0	0	1	1	0	0	0	0	1	4
KCNK10	1	0	0	1	1	0	0	0	0	1	4
POMC	1	1	0	1	0	0	0	0	0	1	4
DNAJC10	1	1	0	1	0	0	1	0	0	0	4
XRN1	1	1	0	1	0	0	0	0	0	1	4
NLE1	1	0	0	1	0	0	1	0	0	1	4

NLE1	1	1	0	1	0	0	0	0	0	1	4
CCDC93	1	1	0	1	0	0	1	0	0	0	4
USP53	0	1	0	1	0	0	1	0	0	1	4
GNL3L	1	1	0	1	0	0	1	0	0	0	4
LZTFL1	1	1	0	1	0	0	1	0	0	0	4
CCNJ	1	1	0	1	0	0	0	0	0	1	4
PPARA	1	1	0	1	0	0	0	0	0	1	4
TMEM106B	1	1	0	1	0	0	0	0	0	1	4
PPM2C	1	0	0	1	0	0	1	0	0	1	4
TRIM44	0	1	0	1	0	0	1	0	0	1	4
TET2	1	1	0	1	0	0	0	0	0	1	4
AFTPH	0	0	0	1	1	1	0	0	0	1	4
ZNF280D	1	0	0	1	1	0	0	0	0	1	4
GDAP2	1	1	0	1	0	0	1	0	0	0	4
BIVM	1	0	0	1	0	0	1	0	0	1	4
PAQR5	1	0	0	1	0	0	1	0	0	1	4
PAQR5	1	1	0	1	0	0	0	0	0	1	4
GON4L	1	1	0	1	0	0	1	0	0	0	4
bA16L21.2.1	1	1	0	1	0	0	1	0	0	0	4
RP11-35N6.1	1	1	0	1	0	0	1	0	0	0	4
MTMR10	0	1	0	1	0	0	1	0	0	1	4
LAX1	1	1	0	1	0	0	1	0	0	0	4
RASIP1	1	1	0	1	0	0	1	0	0	0	4
UBE2R2	1	1	0	1	0	0	1	0	0	0	4
RG9MTD1	0	1	0	1	0	0	1	0	0	1	4
OCIAD1	1	1	0	1	0	0	0	0	0	1	4
OCIAD1	1	1	0	1	0	0	0	0	0	1	4
PRPF39	1	1	0	1	0	0	1	0	0	0	4
CDCA4	1	1	0	1	0	0	0	0	0	1	4
C9orf68	0	1	0	1	0	0	1	0	0	1	4
MED9	1	1	0	1	0	0	1	0	0	0	4
SAMD4B	1	1	0	1	0	0	1	0	0	0	4
THAP1	1	1	0	1	0	0	0	0	0	1	4
SDAD1	1	1	0	1	0	0	1	0	0	0	4
SLC25A36	0	1	0	1	0	0	1	0	0	1	4
VPS13D	1	1	0	1	0	0	1	0	0	0	4
PBRM1	1	1	0	1	0	0	0	0	0	1	4
PBRM1	1	0	0	1	0	0	1	0	0	1	4
TMEM206	1	1	0	1	0	0	1	0	0	0	4
FLJ11151	0	1	0	1	0	0	1	0	0	1	4
WDR33	1	1	0	1	0	0	0	0	0	1	4

HEMGN	1	1	0	1	0	0	0	0	0	1	4
PRCP	1	0	0	1	0	0	1	0	0	1	4
SLC30A10	1	1	0	1	0	0	1	0	0	0	4
RBM38	1	1	0	1	0	0	1	0	0	0	4
PLXNA3	1	1	0	1	0	0	1	0	0	0	4
DDX60	1	0	0	1	0	0	1	0	0	1	4
PRKAA2	0	1	0	1	0	0	1	0	0	1	4
ZNF673	1	1	0	1	0	0	0	0	0	1	4
PRPF40A	0	1	0	1	0	0	1	0	0	1	4
ASF1B	1	1	0	1	0	0	1	0	0	0	4
PARVA	1	1	0	1	0	0	1	0	0	0	4
ZNF83	0	0	1	1	0	0	1	0	0	1	4
ZNF83	1	1	0	1	0	0	0	0	0	1	4
PRKAR2B	1	1	0	1	0	0	1	0	0	0	4
FLJ11171	1	1	0	1	0	0	0	0	0	1	4
FLJ11171	1	0	0	1	0	0	1	0	0	1	4
CSGALNACT1	1	1	0	1	0	0	0	0	0	1	4
FOXJ2	1	1	0	1	0	0	1	0	0	0	4
IQWD1	1	1	0	1	0	0	1	0	0	0	4
CAND1	1	1	0	1	0	0	1	0	0	0	4
MLL5	1	1	0	1	0	0	0	0	0	1	4
C20orf24	1	1	0	1	0	0	1	0	0	0	4
FAM54B	1	0	0	1	0	0	1	0	0	1	4
PRM1	1	1	0	1	0	0	1	0	0	0	4
PRRG1	1	0	0	1	0	0	1	0	0	1	4
KLK7	0	1	0	1	0	0	1	0	0	1	4
PSAP	1	0	0	1	0	0	1	0	0	1	4
TRIM39	1	0	0	1	1	0	0	0	0	1	4
KCNK13	1	1	0	1	0	0	1	0	0	0	4
JPH1	1	1	0	1	0	0	1	0	0	0	4
PSG5	0	0	1	1	0	0	1	0	0	1	4
PSG11	0	0	1	1	0	0	1	0	0	1	4
KCMF1	0	1	0	1	0	0	1	0	0	1	4
PAPOLB	0	1	0	1	0	0	1	0	0	1	4
SMARCAD1	1	1	0	1	0	0	0	0	0	1	4
MEPE	0	1	0	1	0	0	1	0	0	1	4
KTELC1	1	1	0	1	0	0	1	0	0	0	4
TULP4	1	1	0	1	0	0	0	0	0	1	4
BAAT	1	1	0	1	0	0	0	0	0	1	4
ENTPD7	0	1	0	1	0	0	1	0	0	1	4
CPA6	1	1	0	1	0	0	1	0	0	0	4

GOPC	1	1	0	1	0	0	0	0	0	1	4
GOPC	1	0	0	1	0	0	1	0	0	1	4
PAK7	1	1	0	1	0	0	0	0	0	1	4
LYRM1	1	0	1	1	0	0	0	0	0	1	4
PSMD13	1	0	0	1	0	0	1	1	0	0	4
ZNF248	0	1	0	1	0	0	1	0	0	1	4
GPR126	1	1	0	1	0	0	0	0	0	1	4
LYRM2	0	1	0	1	0	0	1	0	0	1	4
NDRG2	1	0	0	1	0	0	1	0	0	1	4
NDRG2	1	1	0	1	0	0	0	0	0	1	4
SLC12A5	1	0	0	1	0	0	1	0	0	1	4
ERMN	1	1	0	1	0	0	0	0	0	1	4
ERMN	1	0	0	1	0	0	1	0	0	1	4
ZNF398	1	0	0	1	0	0	1	0	0	1	4
ZNF398	1	1	0	1	0	0	0	0	0	1	4
AADACL1	1	0	0	1	0	0	1	0	0	1	4
KIAA1377	1	1	0	1	0	0	1	0	0	0	4
FAM135A	1	0	0	1	0	0	1	0	0	1	4
KIAA1549	0	1	0	1	0	0	1	0	0	1	4
ZNF317	1	1	0	1	0	0	1	0	0	0	4
NOPE	1	1	0	1	0	0	1	0	0	0	4
SF4	1	1	0	1	0	0	1	0	0	0	4
PTPRD	1	1	0	1	0	0	1	0	0	0	4
PWP2	0	1	0	1	0	0	1	0	0	1	4
PXMP2	0	1	0	1	0	0	1	0	0	1	4
PXMP3	1	1	0	1	0	0	0	0	0	1	4
RHOU	1	1	0	1	0	0	1	0	0	0	4
C6orf115	1	1	0	1	0	0	1	0	0	0	4
JARID1A	1	1	0	1	0	0	0	0	0	1	4
RBL2	1	1	0	1	0	0	1	0	0	0	4
RECQL	1	0	0	1	0	0	1	0	0	1	4
RECQL	1	1	0	1	0	0	0	0	0	1	4
BCL2L2	1	1	0	1	0	0	1	0	0	0	4
RGS13	1	0	0	1	0	0	1	0	0	1	4
RIT1	1	1	0	1	0	0	1	0	0	0	4
BCL6	0	0	0	1	1	1	0	0	0	1	4
RNF6	1	1	0	1	0	0	0	0	0	1	4
HPSE2	1	1	0	1	0	0	1	0	0	0	4
CLIP1	1	0	0	1	1	0	0	0	0	1	4
RTN1	1	1	0	1	0	0	1	0	0	0	4
SC5DL	1	0	0	1	0	0	1	0	0	1	4

SC5DL	1	1	0	1	0	0	0	0	0	1	4
ATXN1	1	1	0	1	0	0	0	0	0	1	4
SCN2B	1	1	0	1	0	0	1	0	0	0	4
C10orf84	1	0	0	1	0	0	1	0	0	1	4
ANKRD5	1	0	0	1	0	0	1	0	0	1	4
ANKRD5	1	1	0	1	0	0	0	0	0	1	4
FIGNL1	1	1	0	1	0	0	1	0	0	0	4
ZNF674	0	1	0	1	0	0	1	0	0	1	4
SFRP5	1	1	0	1	0	0	1	0	0	0	4
SFRS1	0	1	0	1	0	0	1	0	0	1	4
SFRS1	1	1	0	1	0	0	0	0	0	1	4
SFRS3	1	1	0	1	0	0	1	0	0	0	4
SFRS5	1	0	0	1	0	0	1	0	0	1	4
SFRS5	1	1	0	1	0	0	0	0	0	1	4
ZFP106	1	1	0	1	0	0	1	0	0	0	4
LOC644096	1	1	0	1	0	0	1	0	0	0	4
CSMD1	0	1	0	1	0	0	1	0	0	1	4
SH3BP2	1	0	0	1	0	0	1	0	0	1	4
CTAGE1	0	1	0	1	0	0	1	0	0	1	4
CRTC3	0	1	0	1	0	0	1	1	0	0	4
RABL5	1	1	0	1	0	0	0	0	0	1	4
RMND5A	0	1	0	1	0	0	1	1	0	0	4
IL25	1	1	0	1	0	0	0	0	0	1	4
ST3GAL1	1	0	0	1	0	0	1	0	0	1	4
ST3GAL1	1	1	0	1	0	0	0	0	0	1	4
SLC13A3	1	0	0	1	0	0	1	0	0	1	4
SLC13A3	1	1	0	1	0	0	0	0	0	1	4
USP46	1	1	0	1	0	0	0	0	0	1	4
PCDH20	1	1	0	1	0	0	1	0	0	0	4
TTC23	1	0	0	1	0	0	1	0	0	1	4
TTC23	1	1	0	1	0	0	0	0	0	1	4
MRPS9	1	1	0	1	0	0	1	0	0	0	4
BMP2	1	1	0	1	0	0	1	0	0	0	4
SKP1	0	1	1	1	0	0	0	0	0	1	4
SLA	1	1	0	1	0	0	0	0	0	1	4
GPBP1	1	0	1	1	0	0	0	0	0	1	4
GPBP1	1	1	0	1	0	0	0	0	0	1	4
ALS2CR4	1	0	0	1	0	0	1	0	0	1	4
ALS2CR4	1	1	0	1	0	0	0	0	0	1	4
BMP3	0	1	0	1	0	0	1	0	0	1	4
SLC16A2	1	1	0	1	0	0	1	0	0	0	4

HLTF	1	1	0	1	0	0	0	0	0	1	4
KCTD14	1	1	0	1	0	0	1	0	0	0	4
BOLL	1	1	0	1	0	0	0	0	0	1	4
SOD3	1	1	0	1	0	0	1	0	0	0	4
BOK	1	1	0	1	0	0	1	0	0	0	4
SOX9	1	1	0	1	0	0	1	0	0	0	4
SPAG1	1	0	0	1	0	0	1	0	0	1	4
SPAG1	1	1	0	1	0	0	0	0	0	1	4
SRI	0	1	0	1	0	0	1	0	0	1	4
SREBF2	1	1	0	1	0	0	1	0	0	0	4
SRPK2	1	1	0	1	0	0	0	0	0	1	4
ZFP36L2	0	1	1	1	0	0	1	0	0	0	4
SYN2	0	1	0	1	0	0	1	0	0	1	4
CNTN2	1	1	0	1	0	0	1	0	0	0	4
TCF4	0	1	0	1	0	0	1	0	0	1	4
TFDP1	1	1	0	1	0	0	1	0	0	0	4
TFRC	1	1	0	1	0	0	0	0	0	1	4
THRB	1	1	0	1	0	0	0	0	0	1	4
TIA1	0	1	1	1	0	0	1	0	0	0	4
TSPAN7	1	1	0	1	0	0	1	0	0	0	4
GPR137B	1	1	0	1	0	0	1	0	0	0	4
TNF	0	1	1	1	0	0	0	0	0	1	4
TNS1	0	1	0	1	0	0	1	0	0	1	4
TPD52L2	1	1	0	1	0	0	1	0	0	0	4
TRPS1	1	1	0	1	0	0	1	0	0	0	4
TSC1	1	1	0	1	0	0	1	0	0	0	4
C5AR1	1	1	0	1	0	0	1	0	0	0	4
D2HGDH	1	1	0	1	0	0	0	0	0	1	4
C6orf35	0	1	1	1	0	0	0	0	0	1	4
LOC729830	0	1	0	1	0	0	1	0	0	1	4
UBE2A	1	1	0	1	0	0	0	0	0	1	4
UBE2G1	1	1	0	1	0	0	1	0	0	0	4
UBP1	1	1	0	1	0	0	0	0	0	1	4
VDR	1	1	0	1	0	0	0	0	0	1	4
VEGFA	1	1	0	1	0	0	1	0	0	0	4
WHSC1	1	1	0	1	0	0	0	0	0	1	4
XG	1	0	0	1	0	0	1	0	0	1	4
C18orf1	1	0	0	1	0	0	1	0	0	1	4
C18orf1	1	1	0	1	0	0	0	0	0	1	4
SF1	1	1	0	1	0	0	0	0	0	1	4
ZSCAN20	1	1	0	1	0	0	1	0	0	0	4

ZNF35	1	1	0	1	0	0	1	0	0	0	4
ZNF84	1	1	0	1	0	0	0	0	0	1	4
ZNF84	1	0	0	1	0	0	1	0	0	1	4
PSAPL1	1	1	0	1	0	0	1	0	0	0	4
ZNF148	0	1	0	1	0	0	1	0	0	1	4
ZNF154	0	1	0	1	0	0	1	0	0	1	4
VEZF1	1	1	0	1	0	0	1	0	0	0	4
ZNF200	1	0	0	1	0	0	1	0	0	1	4
ZNF207	1	0	0	1	1	0	0	0	0	1	4
ZNF208	1	1	0	1	0	0	1	0	0	0	4
ZFAND5	1	0	0	1	0	0	1	0	0	1	4
ZFAND5	1	1	0	1	0	0	0	0	0	1	4
ZFAND5	1	0	0	1	1	0	0	0	0	1	4
FAM18A	0	1	0	1	0	0	1	0	0	1	4
CACNB2	1	0	0	1	1	0	0	0	0	1	4
CACNB2	1	0	0	1	1	0	0	0	0	1	4
CACNB2	1	0	0	1	1	0	0	0	0	1	4
CACNB2	1	0	0	1	1	0	0	0	0	1	4
SEMA3B	0	1	0	1	0	0	1	0	0	1	4
ZNF655	1	1	0	1	0	0	0	0	0	1	4
CARD14	1	1	0	1	0	0	1	0	0	0	4
JOSD3	1	1	0	1	0	0	0	0	0	1	4
C20orf121	1	1	0	1	0	0	0	0	0	1	4
C20orf121	1	0	0	1	0	0	1	0	0	1	4
ZNF557	1	1	0	1	0	0	0	0	0	1	4
ZNF557	1	0	0	1	0	0	1	0	0	1	4
ZXDC	1	1	0	1	0	0	1	0	0	0	4
LRRC2	1	1	0	1	0	0	1	0	0	0	4
EPM2A	1	1	0	1	0	0	1	0	0	0	4
ATP13A3	1	1	0	1	0	0	1	0	0	0	4
C1orf113	1	0	0	1	0	0	1	0	0	1	4
ZFHX4	0	1	0	1	0	0	1	0	0	1	4
ALG9	1	1	0	1	0	0	0	0	0	1	4
ALS2CR8	1	1	0	1	0	0	0	0	0	1	4
ALS2CR8	1	0	0	1	0	0	1	0	0	1	4
METTL8	0	1	0	1	0	0	1	0	0	1	4
NAT11	1	1	0	1	0	0	1	0	0	0	4
FAM124B	1	1	0	1	0	0	1	0	0	0	4
TUSC3	1	1	0	1	0	0	0	0	0	1	4
SCD5	1	1	0	1	0	0	1	0	0	0	4
C6orf134	1	1	0	1	0	0	0	0	0	1	4

ZNF767	0	0	1	1	0	0	1	0	0	1	4
DNAJB14	1	1	0	1	0	0	0	0	0	1	4
ANKRD53	1	0	0	1	0	0	1	1	0	0	4
C10orf88	0	1	0	1	0	0	1	0	0	1	4
WWC2	0	1	0	1	0	0	1	0	0	1	4
ZFP2	0	1	0	1	0	0	1	0	0	1	4
OPA3	0	1	0	1	0	0	1	0	0	1	4
C13orf23	1	0	0	1	1	0	0	0	0	1	4
RAB11FIP1	1	1	0	1	0	0	1	0	0	0	4
CUBN	0	1	0	1	0	0	1	0	0	1	4
COASY	1	1	0	1	0	0	0	0	0	1	4
COASY	1	0	0	1	0	0	1	0	0	1	4
ADAM12	1	1	0	1	0	0	1	0	0	0	4
TMEM22	1	0	0	1	0	0	1	0	0	1	4
KHDC1	0	1	0	1	0	0	1	0	0	1	4
ITIH5	1	1	0	1	0	0	0	0	0	1	4
CALM3	1	1	0	1	0	0	1	0	0	0	4
ZNF436	1	0	0	1	0	0	1	0	0	1	4
ZNF436	1	1	0	1	0	0	0	0	0	1	4
ZFP91	1	1	0	1	0	0	1	0	0	0	4
APOL6	0	1	0	1	0	0	1	0	0	1	4
HMGA2	0	1	0	1	0	0	1	0	0	1	4
ST8SIA2	1	1	0	1	0	0	1	0	0	0	4
CALU	1	1	0	1	0	0	0	0	0	1	4
HM13	0	1	0	1	0	0	1	0	0	1	4
SLC38A1	1	0	0	1	0	0	1	0	0	1	4
TSPAN14	1	1	0	1	0	0	1	0	0	0	4
CAMK2D	1	1	0	1	0	0	0	0	0	1	4
CAMK2D	1	1	0	1	0	0	0	0	0	1	4
CAMK2G	0	0	0	1	1	1	0	0	0	1	4
RNF146	1	1	0	1	0	0	1	0	0	0	4
SPRY4	1	1	0	1	0	0	0	0	0	1	4
CABLES2	1	1	0	1	0	0	1	0	0	0	4
NRIP1	1	1	0	1	0	0	1	0	0	0	4
JARID1C	1	1	0	1	0	0	1	0	0	0	4
CASP1	0	1	0	1	0	0	1	0	0	1	4
CASP2	1	1	0	1	0	0	0	0	0	1	4
CHST9	0	1	0	1	0	0	1	0	1	0	4
DNAL1	0	1	1	1	0	0	0	0	0	1	4
C19orf12	1	1	0	1	0	0	0	0	0	1	4
DYNLRB1	1	1	0	1	0	0	1	0	0	0	4

CD99L2	1	1	0	1	0	0	1	0	0	0	4
ATG10	1	1	0	1	0	0	0	0	0	1	4
NCALD	1	1	0	1	0	0	0	0	0	1	4
NCALD	1	0	0	1	0	0	1	0	0	1	4
NCALD	1	0	0	1	1	0	0	0	0	1	4
TMPRSS13	1	1	0	1	0	0	1	0	0	0	4
KATNAL1	1	1	0	1	0	0	0	0	0	1	4
KATNAL1	1	0	0	1	0	0	1	0	0	1	4
MAGT1	1	1	0	1	0	0	1	0	0	0	4
CASP8	1	1	0	1	0	0	1	0	0	0	4
ARL6	1	0	0	1	0	0	1	0	1	0	4
ZNF644	1	0	0	1	1	1	0	0	0	0	4
ZNF644	1	0	0	1	1	1	0	0	0	0	4
STX7	1	1	1	1	0	0	0	0	0	0	4
RHBDD1	1	1	0	1	0	0	1	0	0	0	4
CAMKK1	1	0	0	1	0	0	1	0	0	1	4
CAMKK1	1	1	0	1	0	0	0	0	0	1	4
SLC37A3	1	1	0	1	0	0	0	0	0	1	4
MGC13057	1	0	0	1	0	0	1	0	0	1	4
MGC13057	1	1	0	1	0	0	0	0	0	1	4
CASP10	1	0	0	1	1	0	0	0	0	1	4
GPR123	1	0	0	1	0	0	1	0	0	1	4
ZNF333	1	1	0	1	0	0	1	0	0	0	4
DYRK2	0	1	0	1	0	0	1	0	0	1	4
ZNF512	0	1	0	1	0	0	1	0	0	1	4
L3MBTL3	1	1	0	1	0	0	1	0	0	0	4
CUL4B	1	1	0	1	0	0	1	0	0	0	4
JPH4	1	0	0	1	0	0	1	0	0	1	4
PGBD1	1	1	0	1	0	0	1	0	0	0	4
GPR174	0	1	0	1	0	0	1	0	0	1	4
N-PAC	1	1	0	1	0	0	1	0	0	0	4
SORBS2	1	0	0	1	0	0	1	0	0	1	4
GTPBP3	1	1	0	1	0	0	0	0	0	1	4
PSRC1	0	0	1	1	0	0	1	0	0	1	4
PSRC1	1	1	0	1	0	0	0	0	0	1	4
OGT	1	0	0	1	1	0	0	0	0	1	4
CDC42BPA	1	0	0	1	1	0	0	0	0	1	4
MINA	1	1	0	1	0	0	0	0	0	1	4
HAVCR2	1	1	0	1	0	0	1	0	0	0	4
ZNF566	1	0	0	1	0	0	1	0	0	1	4
MAEL	1	1	0	1	0	0	1	0	0	0	4

UBASH3B	1	1	0	1	0	0	1	0	0	0	4
PPFIBP1	1	1	0	1	0	0	1	0	0	0	4
USP45	0	1	0	1	0	0	1	0	0	1	4
CNTNAP4	1	0	0	1	0	0	1	0	0	1	4
CGGBP1	1	0	0	1	0	0	1	0	0	1	4
KIAA1751	1	1	0	1	0	0	1	0	0	0	4
DIXDC1	1	0	0	1	0	0	1	0	0	1	4
TANC1	1	1	0	1	0	0	1	0	0	0	4
MADD	1	1	0	1	0	0	0	0	0	1	4
ACTL6A	1	0	0	1	1	0	0	0	0	1	4
TP63	1	1	0	1	0	0	0	0	0	1	4
JRK	0	1	0	1	0	0	1	0	0	1	4
CBFA2T3	1	0	0	1	1	0	0	0	0	1	4
ABCB11	1	1	0	1	0	0	1	0	0	0	4
DDX3Y	1	1	0	1	0	0	0	0	0	1	4
TNK1	0	1	0	1	0	0	1	0	0	1	4
TRADD	1	1	0	1	0	0	1	0	0	0	4
ADAM19	1	1	0	1	0	0	1	0	0	0	4
GBF1	1	1	0	1	0	0	1	0	0	0	4
RIOK3	0	1	0	1	0	0	1	0	0	1	4
INPP4B	0	0	0	1	0	0	1	0	1	1	4
CES2	1	1	0	1	0	0	1	0	0	0	4
IQGAP1	1	1	0	1	0	0	1	0	0	0	4
DDEF2	1	1	0	1	0	0	1	0	0	0	4
ARHGEF7	0	0	0	1	1	1	0	0	0	1	4
MTMR3	0	1	0	1	0	0	1	0	0	1	4
GYG2	1	1	0	1	0	0	1	0	0	0	4
MBD2	1	1	0	1	0	0	1	0	0	0	4
SKAP2	1	1	0	1	0	0	1	0	0	0	4
WASF1	1	1	0	1	0	0	0	0	0	1	4
WASF1	1	0	0	1	0	0	1	0	0	1	4
HPS4	1	0	0	1	0	0	1	0	0	1	4
HPS4	1	1	0	1	0	0	0	0	0	1	4
KLHL6	1	1	0	1	0	0	1	0	0	0	4
SLC25A21	1	1	0	1	0	0	1	0	0	0	4
HSPB3	1	1	0	1	0	0	1	0	0	0	4
KALRN	1	1	0	1	0	0	0	0	0	1	4
CCNG1	1	1	0	1	0	0	0	0	0	1	4
PHLDB2	1	1	0	1	0	0	0	0	0	1	4
ZSWIM1	0	1	0	1	0	0	1	0	0	1	4
RNF8	1	1	0	1	0	0	0	0	0	1	4

C5orf30	1	1	0	1	0	0	1	0	0	0	4
SPAG9	1	1	0	1	0	0	0	0	0	1	4
CCDC109A	1	1	0	1	0	0	1	0	0	0	4
SLC7A6	1	1	0	1	0	0	0	0	0	1	4
COX19	0	1	0	1	0	0	1	0	0	1	4
CLDN10	1	1	0	1	0	0	0	0	0	1	4
CLDN10	1	0	0	1	0	0	1	0	0	1	4
FAM104B	1	1	0	1	0	0	1	0	0	0	4
ZNF598	1	1	0	1	0	0	1	0	0	0	4
ZNF697	0	1	0	1	0	0	1	0	0	1	4
CCDC149	0	1	0	1	0	0	1	0	0	1	4
CD1C	1	1	0	1	0	0	1	0	0	0	4
L3MBTL4	0	1	0	1	0	0	1	0	0	1	4
CD1E	1	1	0	1	0	0	0	0	0	1	4
MYADM	1	0	0	1	0	0	1	0	0	1	4
MYADM	1	1	0	1	0	0	0	0	0	1	4
C14orf43	1	1	0	1	0	0	0	0	0	1	4
CABLES1	1	1	0	1	0	0	0	0	0	1	4
TTC5	1	1	0	1	0	0	1	0	0	0	4
SNX29	1	1	0	1	0	0	1	0	0	0	4
LRRFIP1	1	0	0	1	0	0	1	0	0	1	4
NOLC1	1	1	0	1	0	0	1	0	0	0	4
STK17B	1	1	0	1	0	0	1	0	0	0	4
MED14	1	1	0	1	0	0	1	0	0	0	4
MS4A1	1	1	0	1	0	0	0	0	0	1	4
TRIP13	1	1	0	1	0	0	1	0	0	0	4
CER1	1	1	0	1	0	0	1	0	0	0	4
MGC16169	1	0	0	1	0	0	1	0	0	1	4
CADPS2	1	1	0	1	0	0	0	0	0	1	4
CADPS2	1	0	0	1	0	0	1	0	0	1	4
LIPG	1	1	0	1	0	0	1	0	0	0	4
ACVRL1	1	1	0	1	0	0	0	0	0	1	4
ARHGAP29	1	1	0	1	0	0	1	0	0	0	4
SYTL4	1	1	0	1	0	0	0	0	0	1	4
SYTL4	1	0	0	1	0	0	1	0	0	1	4
TP53INP1	1	1	0	1	0	0	1	0	0	0	4
CDYL	0	0	0	1	1	1	0	0	0	1	4
QKI	1	1	0	1	0	0	0	0	0	1	4
GGPS1	1	1	0	1	0	0	0	0	0	1	4
GGPS1	1	0	0	1	0	0	1	0	0	1	4
RASAL2	1	1	0	1	0	0	1	0	0	0	4

GAL3ST1	1	1	0	1	0	0	1	0	0	0	4
SCAMP1	1	1	0	1	0	0	1	0	0	0	4
EI24	1	1	0	1	0	0	1	0	0	0	4
PUNC	0	1	0	1	0	0	1	0	0	1	4
PREPL	1	1	0	1	0	0	1	0	0	0	4
AKAP12	1	1	0	1	0	0	1	0	0	0	4
RNF14	1	1	0	1	0	0	0	0	0	1	4
RNF7	1	1	0	1	0	0	1	0	0	0	4
MTL5	1	1	0	1	0	0	0	0	0	1	4
FNIP1	0	0	1	1	0	0	1	0	0	1	4
SOCS5	1	1	0	1	0	0	0	0	0	1	4
SOCS5	1	0	0	1	0	0	1	0	0	1	4
PDE4DIP	0	1	0	1	0	0	1	0	0	1	4
SLC25A44	1	1	0	1	0	0	1	0	0	0	4
DEPDC5	1	0	0	1	0	0	1	0	1	0	4
ACYP1	1	1	0	1	0	0	0	0	0	1	4
ULK2	0	1	0	1	0	0	1	0	0	1	4
NOS1AP	1	1	0	1	0	0	0	0	0	1	4
KIAA0513	1	1	0	1	0	0	1	0	0	0	4
ZFYVE16	1	1	0	1	0	0	0	0	0	1	4
RASSF2	1	1	0	1	0	0	0	0	0	1	4
KIAA0232	1	0	0	1	0	0	1	0	0	1	4
MRPL19	1	1	0	1	0	0	1	0	0	0	4
KIAA0427	1	0	0	1	0	0	1	0	0	1	4
GAB2	1	1	0	1	0	0	0	0	0	1	4
TMEM24	1	1	0	1	0	0	1	0	0	0	4
TLK1	0	0	0	1	0	0	1	0	1	1	4
SUPT7L	1	1	0	1	0	0	1	0	0	0	4
SEC16A	1	1	0	1	0	0	1	0	0	0	4
ZBTB40	1	0	0	1	0	0	1	0	0	1	4
ZBTB40	1	1	0	1	0	0	0	0	0	1	4
CD302	0	0	1	1	0	0	1	0	0	1	4
DOPEY2	1	1	0	1	0	0	1	0	0	0	4
ARPC1B	1	1	0	0	0	0	1	0	0	1	4
CTDSP2	1	1	0	0	0	0	1	0	0	1	4
ZNF197	1	1	0	0	0	0	1	0	0	1	4
USPL1	1	1	0	0	0	0	1	0	0	1	4
DENND4A	1	1	0	0	0	0	0	1	1	0	4
STAG1	1	1	0	0	0	0	1	0	0	1	4
CDX2	1	1	0	0	0	0	1	0	0	1	4
BAIAP2	1	0	0	0	1	0	1	0	0	1	4

CREB3	1	1	0	0	0	0	1	0	0	1	4
PDLIM5	1	1	0	0	0	0	1	0	0	1	4
CHL1	1	1	0	0	0	0	1	0	0	1	4
ZNF266	1	0	1	0	0	0	1	0	0	1	4
ADCY2	1	1	0	0	0	0	1	0	0	1	4
C7orf16	1	1	0	0	0	0	1	0	0	1	4
HNRNPA0	1	1	0	0	0	0	1	0	0	1	4
STMN2	1	1	0	0	0	0	1	0	0	1	4
DIDO1	1	1	0	0	0	0	1	0	0	1	4
RASSF1	1	1	0	0	0	0	1	0	0	1	4
CHN1	1	1	0	0	1	0	1	0	0	0	4
CHN2	1	1	0	0	1	0	1	0	0	0	4
CASC4	1	1	0	0	0	0	1	0	0	1	4
SLC2A13	1	1	0	0	0	0	1	0	0	1	4
IL22RA2	1	1	0	0	0	0	1	0	0	1	4
TDRD9	1	1	0	0	0	0	1	0	1	0	4
COL4A1	1	1	0	0	0	0	1	0	0	1	4
RNF183	1	1	0	0	0	0	1	0	0	1	4
CSNK1G3	1	1	0	0	0	0	1	0	0	1	4
RC3H1	1	1	0	0	0	0	1	0	0	1	4
ZSWIM2	1	1	0	0	0	0	1	0	0	1	4
ZXDB	1	1	0	0	0	0	1	0	0	1	4
CDC20B	1	1	0	0	0	0	1	0	0	1	4
C9orf71	1	1	0	0	0	0	1	0	0	1	4
DLD	1	1	0	0	0	0	1	0	0	1	4
EDG3	1	1	0	0	0	0	1	0	0	1	4
EVI2A	1	0	1	0	0	0	1	0	0	1	4
FBN1	1	1	0	0	0	0	1	0	0	1	4
FGF12	1	1	0	0	0	0	1	0	0	1	4
LMTK2	1	1	0	0	0	0	1	0	0	1	4
SLITRK3	1	1	0	0	1	0	1	0	0	0	4
ZNF510	1	1	0	0	0	0	1	0	0	1	4
BTBD3	1	0	0	0	1	1	0	0	0	1	4
SACM1L	1	1	0	0	0	0	1	0	0	1	4
GOLGA8A	1	1	0	0	0	0	1	0	0	1	4
ZNF292	1	1	0	0	0	0	1	0	0	1	4
WAPAL	1	1	0	0	0	0	1	0	0	1	4
SARM1	1	1	0	0	0	0	1	0	0	1	4
TNRC6B	1	0	1	0	0	0	1	0	0	1	4
ZCCHC14	1	1	0	0	0	0	1	0	0	1	4
RFTN1	1	1	0	0	0	0	1	1	0	0	4

LARP5	1	1	0	0	0	0	1	0	0	1	4
OTUD3	1	1	0	0	0	0	1	0	0	1	4
CRB1	1	1	0	0	0	0	1	0	0	1	4
AP4E1	1	1	0	0	0	0	1	0	0	1	4
SF3B1	1	1	0	0	1	0	1	0	0	0	4
RABGAP1	1	1	0	0	0	0	1	0	0	1	4
SCML4	1	1	0	0	0	0	1	0	0	1	4
KLHL3	1	1	0	0	0	0	1	0	0	1	4
CNNM1	1	1	0	0	0	0	1	1	0	0	4
NPTN	1	0	0	0	1	1	0	0	0	1	4
ZBTB11	1	1	0	0	0	0	1	0	0	1	4
AFF4	1	1	0	0	0	0	1	0	0	1	4
SNX5	1	0	1	0	0	0	1	0	0	1	4
ANGPT1	1	1	0	0	0	0	1	0	0	1	4
TPRG1	1	1	0	0	0	0	1	0	0	1	4
FRYL	1	1	0	0	0	0	1	0	0	1	4
TUSC5	1	1	0	0	0	0	1	0	0	1	4
GYS2	1	1	0	0	0	0	1	0	0	1	4
ERO1L	1	1	0	0	0	0	1	0	0	1	4
HSF2	1	1	0	0	0	0	1	0	0	1	4
HSP90AB1	1	0	0	0	0	0	1	1	1	0	4
LUZP2	1	1	0	0	0	0	1	0	0	1	4
IFNAR1	1	1	0	0	0	0	1	1	0	0	4
IGFBP4	1	1	0	0	0	0	1	0	0	1	4
IL2RB	1	1	0	0	0	0	1	0	0	1	4
KCNC2	1	1	0	0	0	0	1	0	0	1	4
KCNS2	1	1	0	0	0	0	1	0	0	1	4
hCG_1985469	1	1	0	0	0	0	1	0	0	1	4
LY75	1	1	0	0	0	0	1	0	0	1	4
SMAD3	1	1	0	0	0	0	1	0	0	1	4
MTR	1	1	0	0	0	0	1	0	0	1	4
NEFH	1	1	0	0	0	0	1	0	0	1	4
NRCAM	1	1	0	0	0	0	1	0	0	1	4
PAM	1	0	0	0	1	1	0	0	0	1	4
F11R	1	1	0	0	0	0	1	0	0	1	4
TRAT1	1	1	0	0	0	0	1	0	0	1	4
NIN	1	1	0	0	0	0	1	0	0	1	4
HEMK1	1	1	0	0	0	0	1	0	0	1	4
PIGA	1	1	0	0	0	0	1	0	0	1	4
C21orf91	1	1	0	0	0	0	1	0	0	1	4
NDFIP2	1	1	0	0	0	0	1	0	0	1	4

PPA1	1	1	0	0	0	0	1	0	1	0	4
TET2	1	1	0	0	0	0	0	1	0	1	4
FBXO34	1	0	1	0	0	0	1	0	0	1	4
SRGN	1	1	0	0	0	0	1	0	0	1	4
DDEFL1	1	1	0	0	0	0	1	0	0	1	4
KIAA1333	1	1	0	0	0	0	1	0	0	1	4
LMBRD1	1	1	0	0	0	0	1	0	1	0	4
MBNL3	1	1	0	0	0	0	1	0	0	1	4
KIAA1217	1	1	0	0	0	0	1	0	0	1	4
CCBL2	1	1	0	0	1	0	1	0	0	0	4
GPR126	1	1	0	0	0	0	1	0	0	1	4
SERINC1	1	1	0	0	0	0	1	0	0	1	4
ALPK3	1	1	0	0	0	0	1	0	0	1	4
KIAA1522	1	1	0	0	0	0	1	1	0	0	4
PEX19	1	1	0	0	0	0	1	0	0	1	4
QDPR	1	1	0	0	0	0	1	0	0	1	4
MRPL12	1	1	0	0	0	0	1	0	0	1	4
SORT1	1	1	0	0	0	0	1	0	0	1	4
ELTD1	1	1	0	0	0	0	1	0	0	1	4
SGCB	1	1	0	0	0	0	1	0	0	1	4
DDX31	1	1	0	0	0	0	1	0	0	1	4
RFXDC2	1	1	0	0	0	0	1	0	0	1	4
LEFTY2	1	1	0	0	0	0	1	0	0	1	4
TTF1	1	1	0	0	0	0	1	0	0	1	4
VLDLR	1	1	0	0	0	0	1	0	1	0	4
DEK	1	1	0	0	0	0	1	0	0	1	4
MCPH1	1	1	0	0	0	0	1	0	0	1	4
ASRGL1	1	1	0	0	0	0	1	0	0	1	4
CUL5	1	1	0	0	0	0	1	0	0	1	4
KBTBD7	1	1	0	0	0	0	1	0	0	1	4
ZIC4	1	1	0	0	0	0	1	0	0	1	4
EEA1	1	1	0	0	0	0	1	0	0	1	4
SLITRK2	1	0	0	0	1	0	1	0	0	1	4
BEX2	1	1	0	0	0	0	1	0	0	1	4
PLXDC2	1	1	0	0	0	0	1	0	1	0	4
SLC43A1	1	1	0	0	0	0	1	0	0	1	4
LL22NC03-75B3.6	1	1	0	0	0	0	1	0	0	1	4
MADD	1	1	0	0	0	0	1	0	0	1	4
ACTL6A	1	1	0	0	1	0	0	0	0	1	4
TNFSF11	1	0	0	0	1	0	1	0	0	1	4

CRADD	1	1	0	0	0	0	1	0	0	1	4
ACTN2	1	1	0	0	0	0	1	0	0	1	4
IL18R1	1	1	0	0	0	0	1	0	0	1	4
VNN2	1	1	0	0	0	0	1	0	0	1	4
KRIT1	1	0	1	0	0	0	1	0	0	1	4
TMEM116	1	1	0	0	0	0	1	0	0	1	4
ZNF468	1	0	1	0	0	0	1	0	0	1	4
STARD13	1	1	1	0	0	0	1	0	0	0	4
TMSB4Y	1	1	0	0	0	0	1	0	0	1	4
MTMR7	1	1	0	0	0	0	1	0	0	1	4
DGKI	1	1	0	0	0	0	1	0	0	1	4
DSEL	1	1	0	0	0	0	1	0	0	1	4
LRAT	1	1	0	0	0	0	1	0	0	1	4
CACNA2D2	1	1	0	0	1	0	0	0	0	1	4
CD163	1	1	0	0	1	0	0	0	0	1	4
HOMER2	1	1	0	0	0	0	1	0	0	1	4
SLC25A27	1	1	0	0	0	0	1	0	0	1	4
PMPCB	1	1	0	0	0	0	1	0	0	1	4
UBE3C	1	1	0	0	0	0	1	0	0	1	4
PUM1	1	1	0	0	0	0	1	0	0	1	4
PUM1	1	0	0	0	1	1	0	0	0	1	4
KIAA0152	1	1	0	0	0	0	1	0	0	1	4
KCNE2	1	1	0	0	0	0	1	0	0	1	4
NAALAD2	0	1	0	0	0	0	1	0	1	1	4
SMNDC1	0	1	0	0	0	0	1	0	1	1	4
HEXIM1	0	1	0	0	0	0	1	1	0	1	4
RALBP1	0	1	0	0	0	0	1	0	1	1	4
ATF7	0	1	0	0	0	0	1	0	1	1	4
DUSP10	0	1	0	0	0	0	1	0	1	1	4
CYP2U1	0	1	0	0	0	0	1	1	0	1	4
SLFN5	0	1	0	0	0	0	1	1	0	1	4
DUSP6	0	1	0	0	0	0	1	0	1	1	4
EGR2	0	1	0	0	0	0	1	0	1	1	4
EIF5	0	1	0	0	0	0	1	1	0	1	4
PLD5	0	1	0	0	0	0	1	0	1	1	4
PXT1	0	1	0	0	0	0	1	1	0	1	4
FGF2	0	1	0	0	0	0	1	1	0	1	4
FGFR2	0	1	0	0	0	0	1	0	1	1	4
ELL2	0	1	0	0	0	0	1	1	0	1	4
FLII	0	1	0	0	0	0	1	0	1	1	4
MOBKL3	0	1	0	0	0	0	1	0	1	1	4

ZNF521	0	1	0	0	0	0	1	1	1	0	4
FAM44A	0	1	0	0	1	0	1	0	0	1	4
ULK3	0	1	0	0	0	0	1	1	0	1	4
HNRPK	0	1	0	0	0	0	1	0	1	1	4
ARF3	0	1	0	0	0	0	1	1	0	1	4
LASP1	0	1	0	0	0	0	1	1	0	1	4
FLJ40142	0	1	0	0	0	0	1	1	0	1	4
LPL	0	1	0	0	0	0	1	1	1	0	4
MGAT2	0	1	0	0	0	0	1	0	1	1	4
ACLY	0	1	0	0	0	0	1	0	1	1	4
NFYA	0	1	0	0	0	0	1	1	0	1	4
FBXO40	0	1	0	0	0	0	1	1	0	1	4
PLCG1	0	1	0	0	0	0	1	0	1	1	4
VPS37C	0	1	0	0	0	0	1	1	0	1	4
TMEM9B	0	1	0	0	0	0	1	0	1	1	4
ACTR3B	0	1	0	0	0	0	1	1	1	0	4
FAM80B	0	1	0	0	0	0	1	0	1	1	4
STIM2	0	1	0	0	0	0	1	1	0	1	4
OBFC2A	0	1	0	0	0	0	1	1	0	1	4
TLL2	0	1	0	0	0	0	1	1	0	1	4
MORC4	0	1	0	0	0	0	1	0	1	1	4
TMEFF1	0	1	0	0	0	0	1	0	1	1	4
SUCLA2	0	1	0	0	0	0	1	0	1	1	4
C9orf30	0	1	0	0	0	0	1	0	1	1	4
NOG	0	1	0	0	0	0	1	0	1	1	4
SCARB2	0	1	0	0	0	0	1	1	0	1	4
FAM131B	0	1	0	0	0	0	1	1	0	1	4
FANCD2	0	0	0	0	0	0	1	1	1	1	4
ABI1	1	0	0	1	0	0	0	0	0	1	3
ABI1	1	0	0	1	0	0	0	0	0	1	3
ABI1	1	0	0	1	0	0	0	0	0	1	3
GNPDA1	1	1	0	1	0	0	0	0	0	0	3
PDCD6IP	1	0	0	1	0	0	0	0	0	1	3
SMC4	1	1	0	1	0	0	0	0	0	0	3
GJC1	1	0	0	1	0	0	0	0	0	1	3
RWDD2B	1	1	0	1	0	0	0	0	0	0	3
ACTR2	1	0	0	1	0	0	0	0	0	1	3
SGK2	1	1	0	1	0	0	0	0	0	0	3
ARL4C	1	1	0	1	0	0	0	0	0	0	3
FAM13A1	1	0	0	1	0	0	0	0	0	1	3
G3BP1	1	1	0	1	0	0	0	0	0	0	3

GPR64	1	0	0	1	0	0	0	0	0	1	3
GPR64	1	0	0	1	0	0	0	0	0	1	3
GPR64	1	0	0	1	0	0	0	0	0	1	3
AASS	0	1	0	1	0	0	0	0	0	1	3
DHRS9	1	0	0	1	0	0	0	0	0	1	3
DHRS9	1	0	0	1	0	0	0	0	0	1	3
NME6	1	1	0	1	0	0	0	0	0	0	3
TRIM13	1	1	0	1	0	0	0	0	0	0	3
EIF1	1	1	0	1	0	0	0	0	0	0	3
CDK6	1	0	0	1	0	0	0	0	0	1	3
AP3S2	1	0	0	1	0	0	0	0	0	1	3
KCNMB2	1	0	0	1	0	0	0	0	0	1	3
GLYAT	1	1	0	1	0	0	0	0	0	0	3
EFS	1	0	0	1	0	0	0	0	0	1	3
BET1	0	1	0	1	0	0	0	0	0	1	3
PAK4	1	0	0	1	0	0	0	0	0	1	3
ADAR	1	0	0	1	0	0	0	0	0	1	3
ADAR	1	0	0	1	0	0	0	0	0	1	3
ADAR	1	0	0	1	0	0	0	0	0	1	3
B3GALT5	0	1	0	1	0	0	0	0	0	1	3
B3GALT5	1	0	0	1	0	0	0	0	0	1	3
COX4NB	1	1	0	1	0	0	0	0	0	0	3
CDKN3	1	0	0	1	0	0	0	0	0	1	3
DLC1	1	0	0	1	0	0	0	0	0	1	3
ATP8A1	1	0	0	1	0	0	0	0	0	1	3
ADARB1	1	0	0	1	0	0	0	0	0	1	3
SEC24B	1	1	0	1	0	0	0	0	0	0	3
VAV3	1	1	0	1	0	0	0	0	0	0	3
CAP1	1	1	0	1	0	0	0	0	0	0	3
STK25	1	1	0	1	0	0	0	0	0	0	3
ENOX2	1	0	0	1	0	0	0	0	0	1	3
CEBPA	0	1	0	1	0	0	0	0	0	1	3
HYOU1	1	0	0	1	0	0	0	0	0	1	3
NEBL	1	0	0	1	0	0	0	0	0	1	3
ARPC1A	0	1	0	1	0	0	0	0	0	1	3
PDLIM5	1	0	0	1	0	0	0	0	0	1	3
TRIM3	1	0	0	1	0	0	0	0	0	1	3
ERLIN1	1	1	0	1	0	0	0	0	0	0	3
RAD51AP1	1	1	0	1	0	0	0	0	0	0	3
IGF2BP2	1	0	0	1	0	0	0	0	0	1	3
YKT6	1	1	0	1	0	0	0	0	0	0	3

CUGBP2	1	0	0	1	0	0	0	0	0	1	3
CUGBP2	1	0	0	1	0	0	0	0	0	1	3
PNMA2	0	1	0	1	0	0	0	0	0	1	3
CFL1	1	1	0	1	0	0	0	0	0	0	3
NFAT5	1	0	0	1	0	0	0	0	0	1	3
CFL2	1	0	0	1	0	0	0	0	0	1	3
CTSC	0	1	0	1	0	0	0	0	0	1	3
CTSC	0	1	0	1	0	0	0	0	0	1	3
NUP50	1	0	0	1	0	0	0	0	0	1	3
ZMYND11	1	0	0	1	0	0	0	0	0	1	3
GJB6	1	0	0	1	0	0	0	0	0	1	3
GJB6	1	0	0	1	0	0	0	0	0	1	3
FRS2	1	0	0	1	0	0	0	0	0	1	3
C5orf3	1	1	0	1	0	0	0	0	0	0	3
PDE10A	1	0	0	1	0	0	0	0	0	1	3
NPFFR2	1	0	0	1	0	0	0	0	0	1	3
MALT1	1	0	0	1	0	0	0	0	0	1	3
TCERG1	1	0	0	1	0	0	0	0	0	1	3
SUB1	1	1	0	1	0	0	0	0	0	0	3
PRDX3	1	0	0	1	0	0	0	0	0	1	3
MSL3L1	1	1	0	1	0	0	0	0	0	0	3
IFI44L	0	1	0	1	0	0	0	0	0	1	3
UQCR	1	1	0	1	0	0	0	0	0	0	3
GCN1L1	1	1	0	1	0	0	0	0	0	0	3
TLK2	1	0	0	1	0	0	0	0	0	1	3
LILRB3	0	1	0	1	0	0	0	0	0	1	3
CPSF6	0	1	0	1	0	0	0	0	0	1	3
CHD2	0	1	0	1	0	0	0	0	0	1	3
RAPGEF4	1	0	0	1	0	0	0	0	0	1	3
DIDO1	1	0	0	1	0	0	0	0	0	1	3
DIDO1	1	0	0	1	0	0	0	0	0	1	3
BTN2A1	1	1	0	1	0	0	0	0	0	0	3
PTPRT	1	0	0	1	0	0	0	0	0	1	3
ZWINT	1	1	0	1	0	0	0	0	0	0	3
ZWINT	1	1	0	1	0	0	0	0	0	0	3
DMC1	1	1	0	1	0	0	0	0	0	0	3
NUDT4	1	0	0	1	0	0	0	0	0	1	3
PSIP1	1	0	0	1	0	0	0	0	0	1	3
PSIP1	1	0	0	1	0	0	0	0	0	1	3
FAM107A	1	0	0	1	0	0	0	0	0	1	3
LZTS1	1	1	0	1	0	0	0	0	0	0	3

RASSF1	1	0	0	1	0	0	0	0	0	1	3
RASSF1	1	0	0	1	0	0	0	0	0	1	3
RASSF1	1	0	0	1	0	0	0	0	0	1	3
CHKA	1	0	0	1	0	0	0	0	0	1	3
ADCY6	1	1	0	1	0	0	0	0	0	0	3
POLI	0	1	0	1	0	0	0	0	0	1	3
HPS5	1	0	0	1	0	0	0	0	0	1	3
HPS5	1	0	0	1	0	0	0	0	0	1	3
RNF24	0	1	0	1	0	0	0	0	0	1	3
LARP4	1	0	0	1	0	0	0	0	0	1	3
LARP4	1	0	0	1	0	0	0	0	0	1	3
RNF13	1	0	0	1	0	0	0	0	0	1	3
ZNF257	0	1	0	1	0	0	0	0	0	1	3
PALM2	0	1	0	1	0	0	0	0	0	1	3
EFHC1	0	1	0	1	0	0	0	0	0	1	3
CHRNE	1	1	0	1	0	0	0	0	0	0	3
ERMAP	1	0	0	1	0	0	0	0	0	1	3
SLC25A25	1	0	0	1	0	0	0	0	0	1	3
SLC25A25	1	0	0	1	0	0	0	0	0	1	3
OSBPL1A	1	0	0	1	0	0	0	0	0	1	3
C1QTNF3	1	1	0	1	0	0	0	0	0	0	3
ZNF618	0	1	0	1	0	0	0	0	0	1	3
MARCH3	1	1	0	1	0	0	0	0	0	0	3
OMA1	1	1	0	1	0	0	0	0	0	0	3
GBP4	1	1	0	1	0	0	0	0	0	0	3
CISH	1	0	0	1	0	0	0	0	0	1	3
LRRC58	0	1	0	1	0	0	0	0	0	1	3
IL22RA2	1	0	0	1	0	0	0	0	0	1	3
LEAP2	1	1	0	1	0	0	0	0	0	0	3
RAB3IP	1	0	0	1	0	0	0	0	0	1	3
RAB3IP	1	0	0	1	0	0	0	0	0	1	3
RAB3IP	1	0	0	1	0	0	0	0	0	1	3
MRGPRX2	1	1	0	1	0	0	0	0	0	0	3
ADD1	1	0	0	1	0	0	0	0	0	1	3
ADD1	1	0	0	1	0	0	0	0	0	1	3
ADD1	1	0	0	1	0	0	0	0	0	1	3
CLCN4	0	1	0	1	0	0	0	0	0	1	3
CLCN5	1	0	0	1	0	0	0	0	0	1	3
CLCN5	1	0	0	1	0	0	0	0	0	1	3
ANTXR2	0	1	0	1	0	0	0	0	0	1	3
FAM24A	1	1	0	1	0	0	0	0	0	0	3

C10orf83	1	0	0	1	0	0	0	0	0	1	3
ZFYVE27	1	0	0	1	0	0	0	0	0	1	3
ZFYVE27	1	0	0	1	0	0	0	0	0	1	3
PNLIPRP3	1	1	0	1	0	0	0	0	0	0	3
CLTC	1	1	0	1	0	0	0	0	0	0	3
BTBD11	1	0	0	1	0	0	0	0	0	1	3
SLAIN1	1	1	0	1	0	0	0	0	0	0	3
TRAPPC6B	1	0	0	1	0	0	0	0	0	1	3
SOCS4	1	0	0	1	0	0	0	0	0	1	3
SLC24A4	1	0	0	1	0	0	0	0	0	1	3
SLC24A4	1	0	0	1	0	0	0	0	0	1	3
CCR6	1	1	0	1	0	0	0	0	0	0	3
SLC38A10	1	1	0	1	0	0	0	0	0	0	3
CANT1	1	0	0	1	0	0	0	0	0	1	3
USH1G	1	1	0	1	0	0	0	0	0	0	3
C18orf37	1	1	0	1	0	0	0	0	0	0	3
CNGB1	1	1	0	1	0	0	0	0	0	0	3
CNR1	1	0	0	1	0	0	0	0	0	1	3
COL1A2	1	1	0	1	0	0	0	0	0	0	3
C20orf85	1	1	0	1	0	0	0	0	0	0	3
TBC1D20	1	1	0	1	0	0	0	0	0	0	3
C22orf39	0	1	0	1	0	0	0	0	0	1	3
COL6A3	1	0	0	1	0	0	0	0	0	1	3
COL6A3	1	0	0	1	0	0	0	0	0	1	3
COL6A3	1	0	0	1	0	0	0	0	0	1	3
COL6A3	1	0	0	1	0	0	0	0	0	1	3
XIRP2	1	1	0	1	0	0	0	0	0	0	3
LOC130074	1	1	0	1	0	0	0	0	0	0	3
ACVR1C	1	0	0	1	0	0	0	0	0	1	3
ACVR1C	1	0	0	1	0	0	0	0	0	1	3
ACVR1C	1	0	0	1	0	0	0	0	0	1	3
ALS2CR12	1	0	0	1	0	0	0	0	0	1	3
LYPD6	1	1	0	1	0	0	0	0	0	0	3
CD200R1	1	0	0	1	0	0	0	0	0	1	3
GLYCTK	1	1	0	1	0	0	0	0	0	0	3
TMEM155	1	1	0	1	0	0	0	0	0	0	3
PABPC4L	0	1	0	1	0	0	0	0	0	1	3
LIN54	1	1	0	1	0	0	0	0	0	0	3
JMY	1	1	0	1	0	0	0	0	0	0	3
GRPEL2	1	1	0	1	0	0	0	0	0	0	3
ADAT2	0	1	0	1	0	0	0	0	0	1	3

ADORA2A	1	1	0	1	0	0	0	0	0	0	3
PM20D2	1	1	0	1	0	0	0	0	0	0	3
CP	1	1	0	1	0	0	0	0	0	0	3
LRGUK	1	1	0	1	0	0	0	0	0	0	3
WDR21C	0	1	0	1	0	0	0	0	0	1	3
PTPDC1	1	0	0	1	0	0	0	0	0	1	3
CREBBP	1	0	0	1	0	0	0	0	0	1	3
C9orf23	1	0	0	1	0	0	0	0	0	1	3
CREM	1	1	0	1	0	0	0	0	0	0	3
CRHBP	1	1	0	1	0	0	0	0	0	0	3
MYO3B	1	1	0	1	0	0	0	0	0	0	3
RIMS4	1	1	0	1	0	0	0	0	0	0	3
UBE2F	1	1	0	1	0	0	0	0	0	0	3
SMCR8	0	1	0	1	0	0	0	0	0	1	3
SIRPA	1	1	0	1	0	0	0	0	0	0	3
C5orf20	0	1	0	1	0	0	0	0	0	1	3
UBQLNL	1	1	0	1	0	0	0	0	0	0	3
KDELC2	1	1	0	1	0	0	0	0	0	0	3
ALG10B	0	1	0	1	0	0	0	0	0	1	3
ZNF664	0	1	0	1	0	0	0	0	0	1	3
RDH12	1	1	0	1	0	0	0	0	0	0	3
ABHD12B	1	1	0	1	0	0	0	0	0	0	3
ZADH1	1	0	0	1	0	0	0	0	0	1	3
GSG1L	1	0	0	1	0	0	0	0	0	1	3
C16orf71	1	1	0	1	0	0	0	0	0	0	3
TOM1L2	0	1	0	1	0	0	0	0	0	1	3
ZNRF4	1	1	0	1	0	0	0	0	0	0	3
CTBS	0	1	0	1	0	0	0	0	0	1	3
CTH	1	1	0	1	0	0	0	0	0	0	3
C1orf84	0	1	0	1	0	0	0	0	0	1	3
CCDC17	0	1	0	1	0	0	0	0	0	1	3
CTNND1	1	0	0	1	0	0	0	0	0	1	3
CTNND1	1	0	0	1	0	0	0	0	0	1	3
CTNND1	1	0	0	1	0	0	0	0	0	1	3
CTNND1	1	0	0	1	0	0	0	0	0	1	3
CTNND1	1	0	0	1	0	0	0	0	0	1	3
CTNND1	1	0	0	1	0	0	0	0	0	1	3
CTNND1	1	0	0	1	0	0	0	0	0	1	3
FBXO41	0	1	0	1	0	0	0	0	0	1	3
ARL6IP6	1	1	0	1	0	0	0	0	0	0	3
FAM119A	0	1	0	1	0	0	0	0	0	1	3

SLC16A14	1	1	0	1	0	0	0	0	0	0	3
GPR155	1	0	0	1	0	0	0	0	0	1	3
RNF38	1	0	0	1	0	0	0	0	0	1	3
RNF38	1	0	0	1	0	0	0	0	0	1	3
RNF38	1	0	0	1	0	0	0	0	0	1	3
CNTN4	0	0	0	1	1	0	0	0	0	1	3
IGSF11	1	0	0	1	0	0	0	0	0	1	3
NFXL1	1	1	0	1	0	0	0	0	0	0	3
CCDC112	1	1	0	1	0	0	0	0	0	0	3
CYLD	1	0	0	1	0	0	0	0	0	1	3
CYLD	1	0	0	1	0	0	0	0	0	1	3
ZNF425	1	1	0	1	0	0	0	0	0	0	3
VPS13B	1	0	0	1	0	0	0	0	0	1	3
FAM91A1	1	1	0	1	0	0	0	0	0	0	3
CYP11B1	1	0	0	1	0	0	0	0	0	1	3
CYP19A1	1	0	0	1	0	0	0	0	0	1	3
CYP26A1	0	1	0	1	0	0	0	0	0	1	3
DACH1	1	1	0	1	0	0	0	0	0	0	3
DAD1	1	1	0	1	0	0	0	0	0	0	3
CLEC12A	0	1	0	1	0	0	0	0	0	1	3
LOC162073	0	1	0	1	0	0	0	0	0	1	3
C18orf54	1	0	0	1	0	0	0	0	0	1	3
ZNF320	0	1	0	1	0	0	0	0	0	1	3
DCN	1	0	0	1	0	0	0	0	0	1	3
DCN	1	0	0	1	0	0	0	0	0	1	3
DCN	1	0	0	1	0	0	0	0	0	1	3
PAP2D	1	0	0	1	0	0	0	0	0	1	3
AP1G1	1	0	0	1	0	0	0	0	0	1	3
DCX	1	0	0	1	0	0	0	0	0	1	3
DCX	1	0	0	1	0	0	0	0	0	1	3
AES	1	0	0	1	0	0	0	0	0	1	3
SPATA5	0	1	0	1	0	0	0	0	0	1	3
RASSF6	1	0	0	1	0	0	0	0	0	1	3
COL22A1	1	1	0	1	0	0	0	0	0	0	3
SNX31	1	1	0	1	0	0	0	0	0	0	3
GLIS3	1	0	0	1	0	0	0	0	0	1	3
S100Z	0	1	0	1	0	0	0	0	0	1	3
COMMD6	1	0	0	1	0	0	0	0	0	1	3
ADAMTS17	1	1	0	1	0	0	0	0	0	0	3
KCNG3	1	0	0	1	0	0	0	0	0	1	3
DIAPH1	1	0	0	1	0	0	0	0	0	1	3

DIO2	0	0	0	1	1	0	0	0	0	1	3
DLX1	1	1	0	1	0	0	0	0	0	0	3
ACAN	0	1	0	1	0	0	0	0	0	1	3
DNAH8	0	1	0	1	0	0	0	0	0	1	3
AGL	1	0	0	1	0	0	0	0	0	1	3
AGL	1	0	0	1	0	0	0	0	0	1	3
AGL	1	0	0	1	0	0	0	0	0	1	3
AGL	1	0	0	1	0	0	0	0	0	1	3
AGL	1	0	0	1	0	0	0	0	0	1	3
DPP6	1	0	0	1	0	0	0	0	0	1	3
DPP6	0	1	0	1	0	0	0	0	0	1	3
DRP2	0	1	0	1	0	0	0	0	0	1	3
SLC26A2	1	1	0	1	0	0	0	0	0	0	3
DTNA	0	1	0	1	0	0	0	0	0	1	3
DTNA	1	0	0	1	0	0	0	0	0	1	3
DTNA	1	0	0	1	0	0	0	0	0	1	3
DTNA	0	0	0	1	1	0	0	0	0	1	3
DTNA	1	0	0	1	0	0	0	0	0	1	3
DTNA	0	0	0	1	1	0	0	0	0	1	3
AGTR1	1	0	0	1	0	0	0	0	0	1	3
AGTR1	0	1	0	1	0	0	0	0	0	1	3
AGTR1	1	0	0	1	0	0	0	0	0	1	3
E2F5	1	0	0	1	0	0	0	0	0	1	3
AGXT	1	1	0	1	0	0	0	0	0	0	3
EDA	1	1	0	1	0	0	0	0	0	0	3
EDNRB	1	1	0	1	0	0	0	0	0	0	3
AHR	0	1	0	1	0	0	0	0	0	1	3
EIF1AX	0	1	0	1	0	0	0	0	0	1	3
LOC196415	0	1	0	1	0	0	0	0	0	1	3
C12orf12	0	1	0	1	0	0	0	0	0	1	3
GRAMD2	1	1	0	1	0	0	0	0	0	0	3
ACSF3	1	0	0	1	0	0	0	0	0	1	3
EIF4EBP2	1	1	0	1	0	0	0	0	0	0	3
DZIP1L	1	1	0	1	0	0	0	0	0	0	3
ELAVL3	1	0	0	1	0	0	0	0	0	1	3
ELAVL4	1	1	0	1	0	0	0	0	0	0	3
KRTCAP2	0	1	0	1	0	0	0	0	0	1	3
C1orf69	1	1	0	1	0	0	0	0	0	0	3
TAPT1	0	1	0	1	0	0	0	0	0	1	3
ENSA	0	1	0	1	0	0	0	0	0	1	3
EPB41	1	0	0	1	0	0	0	0	0	1	3

EPB41	1	0	0	1	0	0	0	0	0	1	3
DDX26B	1	1	0	1	0	0	0	0	0	0	3
HIPK1	1	0	0	1	0	0	0	0	0	1	3
HIPK1	1	0	0	1	0	0	0	0	0	1	3
SLC44A5	1	1	0	1	0	0	0	0	0	0	3
C3orf58	1	0	0	1	0	0	0	0	0	1	3
ERBB4	1	0	0	1	0	0	0	0	0	1	3
ERG	1	0	0	1	0	0	0	0	0	1	3
ESR1	1	0	0	1	0	0	0	0	0	1	3
ESR1	1	0	0	1	0	0	0	0	0	1	3
ESRRG	1	1	0	1	0	0	0	0	0	0	3
TYSND1	1	1	0	1	0	0	0	0	0	0	3
TYSND1	1	1	0	1	0	0	0	0	0	0	3
SLC39A12	1	0	0	1	1	0	0	0	0	0	3
GPR116	1	0	0	1	0	0	0	0	0	1	3
ATXN7L1	1	1	0	1	0	0	0	0	0	0	3
FGF1	0	1	0	1	0	0	0	0	0	1	3
FGF12	1	0	0	1	0	0	0	0	0	1	3
FGFR1	1	0	0	1	0	0	0	0	0	1	3
FGFR1	1	0	0	1	0	0	0	0	0	1	3
FGFR1	1	0	0	1	0	0	0	0	0	1	3
GPC5	0	1	0	1	0	0	0	0	0	1	3
TFEC	1	0	0	1	0	0	0	0	0	1	3
ZNF652	0	1	0	1	0	0	0	0	0	1	3
AAK1	0	1	0	1	0	0	0	0	0	1	3
ICK	1	1	0	1	0	0	0	0	0	0	3
DIS3	1	0	0	1	0	0	0	0	0	1	3
EPN2	1	0	0	1	0	0	0	0	0	1	3
EPN2	1	0	0	1	0	0	0	0	0	1	3
TRAK1	0	1	0	1	0	0	0	0	0	1	3
NCBP2	1	0	0	1	0	0	0	0	0	1	3
MAPRE1	1	1	0	1	0	0	0	0	0	0	3
KIN	1	1	0	1	0	0	0	0	0	0	3
PCNX	0	1	0	1	0	0	0	0	0	1	3
LIMCH1	0	1	0	1	0	0	0	0	0	1	3
RAB21	1	1	0	1	0	0	0	0	0	0	3
FBXO21	1	0	0	1	0	0	0	0	0	1	3
TMCC1	1	0	0	1	0	0	0	0	0	1	3
XPO7	0	1	0	1	0	0	0	0	0	1	3
FNBP1	1	1	0	1	0	0	0	0	0	0	3
NMNAT2	1	0	0	1	0	0	0	0	0	1	3

PEG10	0	1	0	1	0	0	0	0	0	1	3
KIF1B	1	1	0	1	0	0	0	0	0	0	3
KIF1B	1	1	0	1	0	0	0	0	0	0	3
GARNL4	0	1	0	1	0	0	0	0	0	1	3
TNRC6B	1	0	0	1	0	0	0	0	0	1	3
GRAMD4	1	1	0	1	0	0	0	0	0	0	3
CLCC1	1	0	0	1	0	0	0	0	0	1	3
SEPT6	1	1	0	1	0	0	0	0	0	0	3
SNX13	1	1	0	1	0	0	0	0	0	0	3
SEPT7	1	0	0	1	0	0	0	0	0	1	3
SEPT7	1	0	0	1	0	0	0	0	0	1	3
CEP68	1	1	0	1	0	0	0	0	0	0	3
RGL1	1	1	0	1	0	0	0	0	0	0	3
ATG4B	1	1	0	1	0	0	0	0	0	0	3
ATG4B	1	1	0	1	0	0	0	0	0	0	3
PSME4	0	1	0	1	0	0	0	0	0	1	3
JMJD6	0	1	0	1	0	0	0	0	0	1	3
VPS13A	1	0	0	1	0	0	0	0	0	1	3
PACS2	1	0	0	1	0	0	0	0	0	1	3
ANKRD28	1	1	0	1	0	0	0	0	0	0	3
ANKRD12	1	0	0	1	0	0	0	0	0	1	3
IQCE	0	1	0	1	0	0	0	0	0	1	3
TMEM194	1	0	0	1	0	0	0	0	0	1	3
KIAA0467	0	1	0	1	0	0	0	0	0	1	3
WDR7	1	0	0	1	0	0	0	0	0	1	3
KIAA0895	1	0	0	1	0	0	0	0	0	1	3
FREQ	1	0	0	1	0	0	0	0	0	1	3
RHOQ	1	1	0	1	0	0	0	0	0	0	3
HEY1	1	0	0	1	0	0	0	0	0	1	3
KIAA0240	1	1	0	1	0	0	0	0	0	0	3
SLC39A14	1	0	0	1	0	0	0	0	0	1	3
SLC39A14	1	0	0	1	0	0	0	0	0	1	3
NNT	0	1	0	1	0	0	0	0	0	1	3
ZMYND8	1	0	0	1	1	0	0	0	0	0	3
ZMYND8	1	0	0	1	1	0	0	0	0	0	3
RUSC1	0	1	0	1	0	0	0	0	0	1	3
KPNA6	1	1	0	1	0	0	0	0	0	0	3
SGK3	1	0	0	1	0	0	0	0	0	1	3
SGK3	1	0	0	1	0	0	0	0	0	1	3
PRKD3	1	1	0	1	0	0	0	0	0	0	3
EID1	0	1	0	1	0	0	0	0	0	1	3

BHMT2	1	1	0	1	0	0	0	0	0	0	3
IFIT5	1	1	0	1	0	0	0	0	0	0	3
VGLL2	1	0	0	1	0	0	0	0	0	1	3
STAC3	1	1	0	1	0	0	0	0	0	0	3
CENPI	0	1	0	1	0	0	0	0	0	1	3
FUT5	0	1	0	1	0	0	0	0	0	1	3
TMEM9	1	1	0	1	0	0	0	0	0	0	3
C22orf30	1	1	0	1	0	0	0	0	0	0	3
FYB	1	0	0	1	0	0	0	0	0	1	3
MGC50559	1	0	0	1	0	0	0	0	0	1	3
MCM9	0	1	0	1	0	0	0	0	0	1	3
GABRA1	1	0	0	1	0	0	0	0	0	1	3
GABRA1	1	0	0	1	0	0	0	0	0	1	3
GABRA1	1	0	0	1	0	0	0	0	0	1	3
GABRA1	1	0	0	1	0	0	0	0	0	1	3
GABRA1	1	0	0	1	0	0	0	0	0	1	3
BCL6B	0	1	0	1	0	0	0	0	0	1	3
GABRB2	1	0	0	1	0	0	0	0	0	1	3
GABRG2	1	0	0	1	0	0	0	0	0	1	3
GAD2	1	1	0	1	0	0	0	0	0	0	3
C11orf41	0	1	0	1	0	0	0	0	0	1	3
KLK5	1	1	0	1	0	0	0	0	0	0	3
CCRN4L	1	1	0	1	0	0	0	0	0	0	3
PRDX5	1	1	0	1	0	0	0	0	0	0	3
ZNF345	0	1	0	1	0	0	0	0	0	1	3
ARMC8	1	0	0	1	0	0	0	0	0	1	3
ARMC8	1	0	0	1	0	0	0	0	0	1	3
RNF19A	0	1	0	1	0	0	0	0	0	1	3
RNF19A	1	0	0	1	0	0	0	0	0	1	3
RCHY1	1	1	0	1	0	0	0	0	0	0	3
RCHY1	1	1	0	1	0	0	0	0	0	0	3
IFFO	1	0	0	1	0	0	0	0	0	1	3
C1orf43	1	0	0	1	0	0	0	0	0	1	3
C1orf43	1	0	0	1	0	0	0	0	0	1	3
THUMPD3	1	0	0	1	0	0	0	0	0	1	3
HSPA12A	1	1	0	1	0	0	0	0	0	0	3
MYRIP	1	1	0	1	0	0	0	0	0	0	3
GANC	0	1	0	1	0	0	0	0	0	1	3
SFRS18	0	1	0	1	0	0	0	0	0	1	3
C2CD2	1	0	0	1	0	0	0	0	0	1	3
LOC26010	0	1	0	1	0	0	0	0	0	1	3

L3MBTL	1	0	0	1	0	0	0	0	0	1	3
PIP3-E	1	0	0	1	0	0	0	0	0	1	3
PIP3-E	1	0	0	1	0	0	0	0	0	1	3
CHD5	1	1	0	1	0	0	0	0	0	0	3
MAGI3	1	0	0	1	0	0	0	0	0	1	3
DNM3	0	1	0	1	0	0	0	0	0	1	3
HERC4	1	1	0	1	0	0	0	0	0	0	3
WDR21A	1	0	0	1	0	0	0	0	0	1	3
LRRC32	1	0	0	1	0	0	0	0	0	1	3
RSL1D1	1	1	0	1	0	0	0	0	0	0	3
RGS22	0	1	0	1	0	0	0	0	0	1	3
ARL5A	1	0	0	1	0	0	0	0	0	1	3
GBP1	1	1	0	1	0	0	0	0	0	0	3
CNNM3	1	0	0	1	0	0	0	0	0	1	3
GCNT2	1	0	0	1	0	0	0	0	0	1	3
GCNT2	1	0	0	1	0	0	0	0	0	1	3
CKAP2	1	0	0	1	0	0	0	0	0	1	3
HS6ST3	0	1	0	1	0	0	0	0	0	1	3
AMFR	1	1	0	1	0	0	0	0	0	0	3
GFRA1	0	1	0	1	0	0	0	0	0	1	3
SEC22A	1	1	0	1	0	0	0	0	0	0	3
ABL2	0	1	0	1	0	0	0	0	0	1	3
HTF9C	1	1	0	1	0	0	0	0	0	0	3
D4S234E	1	0	0	1	0	0	0	0	0	1	3
DAPP1	1	1	0	1	0	0	0	0	0	0	3
VPS41	1	0	0	1	0	0	0	0	0	1	3
GK	1	0	0	1	0	0	0	0	0	1	3
CACYBP	1	0	0	1	0	0	0	0	0	1	3
INVS	1	1	0	1	0	0	0	0	0	0	3
SERP1	1	1	0	1	0	0	0	0	0	0	3
ARFIP1	1	0	0	1	0	0	0	0	0	1	3
BBS9	1	0	0	1	0	0	0	0	0	1	3
BBS9	1	0	0	1	0	0	0	0	0	1	3
PCDH11X	1	0	0	1	0	0	0	0	0	1	3
PCLO	0	1	0	1	0	0	0	0	0	1	3
GPD2	1	0	0	1	0	0	0	0	0	1	3
GPM6A	1	0	0	1	0	0	0	0	0	1	3
GPM6A	1	0	0	1	0	0	0	0	0	1	3
GPR3	1	1	0	1	0	0	0	0	0	0	3
BLOC1S2	1	0	0	1	0	0	0	0	0	1	3
C11orf47	1	0	0	1	0	0	0	0	0	1	3

KSR2	0	1	0	1	0	0	0	0	0	1	3
GLT8D3	0	1	0	1	0	0	0	0	0	1	3
LOC283514	1	1	0	1	0	0	0	0	0	0	3
C14orf178	0	1	0	1	0	0	0	0	0	1	3
FLJ39743	0	1	0	1	0	0	0	0	0	1	3
FLJ35220	0	1	0	1	0	0	0	0	0	1	3
ZNF545	0	1	0	1	0	0	0	0	0	1	3
FAM80A	0	1	0	1	0	0	0	0	0	1	3
GPR26	1	1	0	1	0	0	0	0	0	0	3
ANGPT2	1	0	0	1	0	0	0	0	0	1	3
ANGPT2	1	0	0	1	0	0	0	0	0	1	3
NKIRAS1	1	1	0	1	0	0	0	0	0	0	3
ZNF621	1	1	0	1	0	0	0	0	0	0	3
C3orf23	1	0	0	1	0	0	0	0	0	1	3
RNF212	1	1	0	1	0	0	0	0	0	0	3
RNF212	1	1	0	1	0	0	0	0	0	0	3
ANK1	1	0	0	1	0	0	0	0	0	1	3
ANK1	1	0	0	1	0	0	0	0	0	1	3
ANK1	1	0	0	1	0	0	0	0	0	1	3
ANK1	1	0	0	1	0	0	0	0	0	1	3
DPY19L4	1	1	0	1	0	0	0	0	0	0	3
C9orf47	1	0	0	1	0	0	0	0	0	1	3
MGC39900	0	1	0	1	0	0	0	0	0	1	3
GRB10	1	0	0	1	0	0	0	0	0	1	3
GRB10	1	0	0	1	0	0	0	0	0	1	3
GRB10	1	0	0	1	0	0	0	0	0	1	3
GRIA2	1	0	0	1	0	0	0	0	0	1	3
GRIA2	1	0	0	1	0	0	0	0	0	1	3
MRPL42	1	1	0	1	0	0	0	0	0	0	3
GRIK3	0	1	0	1	0	0	0	0	0	1	3
HIPK2	0	1	0	1	0	0	0	0	0	1	3
GRIN2A	1	1	0	1	0	0	0	0	0	0	3
NR3C1	1	0	0	1	0	0	0	0	0	1	3
NR3C1	1	0	0	1	0	0	0	0	0	1	3
NR3C1	1	0	0	1	0	0	0	0	0	1	3
NR3C1	1	0	0	1	0	0	0	0	0	1	3
GRLF1	0	1	0	1	0	0	0	0	0	1	3
RNASEN	1	0	0	1	0	0	0	0	0	1	3
TAGLN3	1	1	0	1	0	0	0	0	0	0	3
RACGAP1	1	1	0	1	0	0	0	0	0	0	3
CXCL1	0	1	0	1	0	0	0	0	0	1	3

TMOD3	1	1	0	1	0	0	0	0	0	0	3
GRHL1	1	1	0	1	0	0	0	0	0	0	3
HIG2	1	0	0	1	0	0	0	0	0	1	3
DSE	1	0	0	1	0	0	0	0	0	1	3
PADI1	1	1	0	1	0	0	0	0	0	0	3
SLC25A24	1	0	0	1	0	0	0	0	0	1	3
MDFIC	1	1	0	1	0	0	0	0	0	0	3
NXPH1	1	1	0	1	0	0	0	0	0	0	3
SH3KBP1	1	1	0	1	0	0	0	0	0	0	3
EMR2	1	0	0	1	0	0	0	0	0	1	3
EMR2	1	0	0	1	0	0	0	0	0	1	3
EMR2	1	0	0	1	0	0	0	0	0	1	3
EMR2	1	0	0	1	0	0	0	0	0	1	3
CDR2L	1	1	0	1	0	0	0	0	0	0	3
UBE2K	0	1	0	1	0	0	0	0	0	1	3
HLA-B	0	1	0	1	0	0	0	0	0	1	3
ANXA11	1	0	0	1	0	0	0	0	0	1	3
ANXA11	1	0	0	1	0	0	0	0	0	1	3
HMBS	1	0	0	1	0	0	0	0	0	1	3
HMGB2	1	0	0	1	0	0	0	0	0	1	3
HMGB2	1	0	0	1	0	0	0	0	0	1	3
HMGCS1	1	0	0	1	0	0	0	0	0	1	3
EIF4E3	1	1	0	1	0	0	0	0	0	0	3
HNRNPC	1	0	0	1	0	0	0	0	0	1	3
HOXA3	1	0	0	1	0	0	0	0	0	1	3
HOXA3	1	0	0	1	0	0	0	0	0	1	3
HOXA3	0	1	0	1	0	0	0	0	0	1	3
HOXA7	1	1	0	1	0	0	0	0	0	0	3
HRH1	1	0	0	1	0	0	0	0	0	1	3
HRH1	1	0	0	1	0	0	0	0	0	1	3
HRH1	1	0	0	1	0	0	0	0	0	1	3
PRMT2	0	1	0	1	0	0	0	0	0	1	3
HSD11B1	1	0	0	1	0	0	0	0	0	1	3
BIRC5	1	0	0	1	0	0	0	0	0	1	3
UBAC2	1	0	0	1	0	0	0	0	0	1	3
C17orf51	0	1	0	1	0	0	0	0	0	1	3
ICT1	1	1	0	1	0	0	0	0	0	0	3
C3orf35	0	1	0	1	0	0	0	0	0	1	3
ZDHHC21	1	1	0	1	0	0	0	0	0	0	3
C11orf53	1	1	0	1	0	0	0	0	0	0	3
STAC2	1	1	0	1	0	0	0	0	0	0	3

SH3MD4	0	1	0	1	0	0	0	0	0	1	3
MTX3	0	1	0	1	0	0	0	0	0	1	3
7A5	0	1	0	1	0	0	0	0	0	1	3
IGF1	1	0	0	1	0	0	0	0	0	1	3
IGFBP3	1	1	0	1	0	0	0	0	0	0	3
SLCO4C1	1	1	0	1	0	0	0	0	0	0	3
TICAM2	0	1	0	1	0	0	0	0	0	1	3
IGLL1	1	1	0	1	0	0	0	0	0	0	3
FAS	1	0	0	1	0	0	0	0	0	1	3
FAS	0	1	0	1	0	0	0	0	0	1	3
IL6ST	1	1	0	1	0	0	0	0	0	0	3
IL10	1	1	0	1	0	0	0	0	0	0	3
IL12B	1	1	0	1	0	0	0	0	0	0	3
IL13RA2	1	1	0	1	0	0	0	0	0	0	3
IL16	1	0	0	1	0	0	0	0	0	1	3
INCENP	1	0	0	1	0	0	0	0	0	1	3
ING1	1	1	0	1	0	0	0	0	0	0	3
INSR	1	0	0	1	0	0	0	0	0	1	3
ITGA6	1	0	0	1	0	0	0	0	0	1	3
IRF5	1	0	0	1	0	0	0	0	0	1	3
IRF5	1	0	0	1	0	0	0	0	0	1	3
IRF5	1	0	0	1	0	0	0	0	0	1	3
IRF5	0	1	0	1	0	0	0	0	0	1	3
IRF5	1	0	0	1	0	0	0	0	0	1	3
IVD	0	1	0	1	0	0	0	0	0	1	3
TRIM23	1	1	0	1	0	0	0	0	0	0	3
KCNC2	1	0	0	1	0	0	0	0	0	1	3
C7orf52	1	1	0	1	0	0	0	0	0	0	3
LHFPL3	0	1	0	1	0	0	0	0	0	1	3
KCNJ1	1	0	0	1	0	0	0	0	0	1	3
KCNJ1	1	0	0	1	0	0	0	0	0	1	3
KCNJ1	1	0	0	1	0	0	0	0	0	1	3
KCNJ1	1	0	0	1	0	0	0	0	0	1	3
KCNMA1	1	0	0	1	0	0	0	0	0	1	3
ARF6	0	1	0	1	0	0	0	0	0	1	3
TNPO1	1	0	0	1	0	0	0	0	0	1	3
NHLRC3	1	0	0	1	0	0	0	0	0	1	3
LOC388610	0	1	0	1	0	0	0	0	0	1	3
KRT82	1	1	0	1	0	0	0	0	0	0	3
LOC389073	1	1	0	1	0	0	0	0	0	0	3
LAMA3	1	1	0	1	0	0	0	0	0	0	3

NUDT19	0	1	0	1	0	0	0	0	0	1	3
TRIM61	1	1	0	1	0	0	0	0	0	0	3
LAMC2	1	1	0	1	0	0	0	0	0	0	3
LCP1	1	1	0	1	0	0	0	0	0	0	3
ARHGAP5	1	0	0	1	0	0	0	0	0	1	3
ARHGAP6	1	1	0	1	0	0	0	0	0	0	3
LEP	1	1	0	1	0	0	0	0	0	0	3
LIFR	1	0	0	1	0	0	0	0	0	1	3
LIG4	1	0	0	1	0	0	0	0	0	1	3
LIG4	1	0	0	1	0	0	0	0	0	1	3
LIG4	0	1	0	1	0	0	0	0	0	1	3
ABLIM1	1	0	0	1	0	0	0	0	0	1	3
ABLIM1	1	0	0	1	0	0	0	0	0	1	3
ABLIM1	1	0	0	1	0	0	0	0	0	1	3
LIMK2	1	1	0	1	0	0	0	0	0	0	3
FAM102A	1	0	0	1	0	0	0	0	0	1	3
METTL10	1	1	0	1	0	0	0	0	0	0	3
RP5-1103G7.6	1	1	0	1	0	0	0	0	0	0	3
LMX1B	0	1	0	1	0	0	0	0	0	1	3
C8orf59	0	1	0	1	0	0	0	0	0	1	3
LRP6	0	1	0	1	0	0	0	0	0	1	3
TM4SF1	1	1	0	1	0	0	0	0	0	0	3
SMAD2	1	0	0	1	0	0	0	0	0	1	3
ARRB2	1	0	0	1	0	0	0	0	0	1	3
MAGEA4	1	0	0	1	0	0	0	0	0	1	3
MAGEA4	1	0	0	1	0	0	0	0	0	1	3
MAGEA4	1	0	0	1	0	0	0	0	0	1	3
MAGEB1	1	1	0	1	0	0	0	0	0	0	3
MAP2	1	0	0	1	0	0	0	0	0	1	3
MAP2	1	0	0	1	0	0	0	0	0	1	3
MAP6	0	1	0	1	0	0	0	0	0	1	3
MAPT	1	0	0	1	0	0	0	0	0	1	3
MAPT	1	0	0	1	0	0	0	0	0	1	3
MAPT	1	0	0	1	0	0	0	0	0	1	3
MAPT	1	0	0	1	0	0	0	0	0	1	3
MAPT	1	0	0	1	0	0	0	0	0	1	3
MATN3	0	1	0	1	0	0	0	0	0	1	3
MBNL1	1	0	0	1	0	0	0	0	0	1	3
MBNL1	1	0	0	1	0	0	0	0	0	1	3
MBNL1	1	0	0	1	0	0	0	0	0	1	3
MBNL1	1	0	0	1	0	0	0	0	0	1	3

MBNL1	1	0	0	1	0	0	0	0	0	1	3
MBNL1	1	0	0	1	0	0	0	0	0	1	3
MBP	1	0	0	1	0	0	0	0	0	1	3
MBP	1	0	0	1	0	0	0	0	0	1	3
MBP	1	0	0	1	0	0	0	0	0	1	3
MBP	1	0	0	1	0	0	0	0	0	1	3
MCC	0	1	0	1	0	0	0	0	0	1	3
MCM3	1	1	0	1	0	0	0	0	0	0	3
CD46	1	0	0	1	0	0	0	0	0	1	3
CD46	1	0	0	1	0	0	0	0	0	1	3
CD46	1	0	0	1	0	0	0	0	0	1	3
CD46	1	0	0	1	0	0	0	0	0	1	3
CD46	1	0	0	1	0	0	0	0	0	1	3
CD46	1	0	0	1	0	0	0	0	0	1	3
CD46	0	1	0	1	0	0	0	0	0	1	3
CD46	1	0	0	1	0	0	0	0	0	1	3
MEF2A	1	1	0	1	0	0	0	0	0	0	3
MEST	1	0	0	1	0	0	0	0	0	1	3
MEST	1	0	0	1	0	0	0	0	0	1	3
MGAT3	0	1	0	1	0	0	0	0	0	1	3
MGAT3	1	0	0	1	0	0	0	0	0	1	3
KITLG	1	0	0	1	0	0	0	0	0	1	3
ATXN3	1	0	0	1	0	0	0	0	0	1	3
ATXN3	1	0	0	1	0	0	0	0	0	1	3
ATXN3	1	0	0	1	0	0	0	0	0	1	3
MKI67	1	1	0	1	0	0	0	0	0	0	3
MLF1	1	0	0	1	0	0	0	0	0	1	3
MLF1	1	0	0	1	0	0	0	0	0	1	3
MME	0	1	0	1	0	0	0	0	0	1	3
MMP13	1	1	0	1	0	0	0	0	0	0	3
MN1	1	1	0	1	0	0	0	0	0	0	3
MOBP	1	1	0	1	0	0	0	0	0	0	3
MOCS2	1	1	0	1	0	0	0	0	0	0	3
MOCS2	1	1	0	1	0	0	0	0	0	0	3
MOG	1	0	0	1	0	0	0	0	0	1	3
MOG	1	0	0	1	0	0	0	0	0	1	3
MOG	1	0	0	1	0	0	0	0	0	1	3
MOG	0	1	0	1	0	0	0	0	0	1	3
EIF2AK4	1	1	0	1	0	0	0	0	0	0	3
UNC13C	1	1	0	1	0	0	0	0	0	0	3
MSR1	1	0	0	1	0	0	0	0	0	1	3

MTHFR	1	1	0	1	0	0	0	0	0	0	3
MTM1	1	1	0	1	0	0	0	0	0	0	3
MUT	1	1	0	1	0	0	0	0	0	0	3
MYBL1	0	1	0	1	0	0	0	0	0	1	3
MYBPC1	0	0	0	1	1	1	0	0	0	0	3
MYL1	1	1	0	1	0	0	0	0	0	0	3
MYO7B	1	1	0	1	0	0	0	0	0	0	3
MYO10	0	1	0	1	0	0	0	0	0	1	3
NAP1L2	1	1	0	1	0	0	0	0	0	0	3
NBL1	1	1	0	1	0	0	0	0	0	0	3
NCL	1	1	0	1	0	0	0	0	0	0	3
NDUFB1	0	1	0	1	1	0	0	0	0	0	3
RERE	1	0	0	1	0	0	0	0	0	1	3
RERE	1	0	0	1	0	0	0	0	0	1	3
SEPT2	1	0	0	1	0	0	0	0	0	1	3
SEPT2	1	0	0	1	0	0	0	0	0	1	3
SEPT2	1	0	0	1	0	0	0	0	0	1	3
NEO1	0	1	0	1	0	0	0	0	0	1	3
NF1	1	0	0	1	0	0	0	0	0	1	3
NFATC4	1	0	0	1	0	0	0	0	0	1	3
NFYC	1	0	0	1	0	0	0	0	0	1	3
NOS1	1	1	0	1	0	0	0	0	0	0	3
NOS3	1	1	0	1	0	0	0	0	0	0	3
CNOT4	0	1	0	1	0	0	0	0	0	1	3
NPM1	0	0	0	1	1	1	0	0	0	0	3
NRCAM	1	0	0	1	0	0	0	0	0	1	3
NRF1	1	0	0	1	0	0	0	0	0	1	3
ROR2	1	1	0	1	0	0	0	0	0	0	3
OCA2	1	1	0	1	0	0	0	0	0	0	3
OGN	1	0	0	1	0	0	0	0	0	1	3
ZNF295	1	0	0	1	0	0	0	0	0	1	3
ZNF295	1	0	0	1	0	0	0	0	0	1	3
SCAPER	0	1	0	1	0	0	0	0	0	1	3
MINK1	1	0	0	1	0	0	0	0	0	1	3
MINK1	0	0	0	1	1	0	0	0	0	1	3
PAFAH1B2	1	1	0	1	0	0	0	0	0	0	3
DUOX2	1	1	0	1	0	0	0	0	0	0	3
ITSN2	1	0	0	1	0	0	0	0	0	1	3
ARHGEF3	1	0	0	1	0	0	0	0	0	1	3
ARHGEF3	1	0	0	1	0	0	0	0	0	1	3
PARK2	1	0	0	1	0	0	0	0	0	1	3

PARK2	1	0	0	1	0	0	0	0	0	1	3
PARN	1	0	0	1	0	0	0	0	0	1	3
SPOCK3	1	0	0	1	0	0	0	0	0	1	3
PDE11A	1	0	0	1	0	0	0	0	0	1	3
PDE11A	1	0	0	1	0	0	0	0	0	1	3
ACOX1	1	0	0	1	0	0	0	0	0	1	3
SLC35C2	1	0	0	1	0	0	0	0	0	1	3
SLC35C2	1	0	0	1	0	0	0	0	0	1	3
GOLT1B	1	1	0	1	0	0	0	0	0	0	3
KLHL5	1	0	0	1	0	0	0	0	0	1	3
PHF20L1	1	0	0	1	0	0	0	0	0	1	3
METTL9	1	1	0	1	0	0	0	0	0	0	3
GOLGA7	1	0	0	1	0	0	0	0	0	1	3
ASB3	1	0	0	1	0	0	0	0	0	1	3
IRAK4	0	1	0	1	0	0	0	0	0	1	3
CYB5R4	1	1	0	1	0	0	0	0	0	0	3
CLDN18	1	0	0	1	0	0	0	0	0	1	3
PHF20	1	1	0	1	0	0	0	0	0	0	3
VRK3	1	0	0	1	0	0	0	0	0	1	3
KLF3	0	1	0	1	0	0	0	0	0	1	3
C4orf18	1	1	0	1	0	0	0	0	0	0	3
PLAC8	1	0	0	1	0	0	0	0	0	1	3
MRPL35	1	1	0	1	0	0	0	0	0	0	3
SPG21	1	0	0	1	0	0	0	0	0	1	3
SPG21	1	0	0	1	0	0	0	0	0	1	3
DACT1	1	1	0	1	0	0	0	0	0	0	3
ZNF117	0	1	0	1	0	0	0	0	0	1	3
PDE2A	1	1	0	1	0	0	0	0	0	0	3
WNT16	1	0	0	1	0	0	0	0	0	1	3
PRKAG2	1	0	0	1	0	0	0	0	0	1	3
PRKAG2	1	0	0	1	0	0	0	0	0	1	3
UBE2J1	0	1	0	1	0	0	0	0	0	1	3
TRIAP1	1	1	0	1	0	0	0	0	0	0	3
VTA1	1	1	0	1	0	0	0	0	0	0	3
ARMCX3	1	0	0	1	0	0	0	0	0	1	3
ARMCX3	0	1	0	1	0	0	0	0	0	1	3
TRIM33	1	0	0	1	0	0	0	0	0	1	3
KLF13	1	1	0	1	0	0	0	0	0	0	3
VPS24	1	0	0	1	0	0	0	0	0	1	3
VPS24	1	0	0	1	0	0	0	0	0	1	3
PDPK1	1	0	0	1	0	0	0	0	0	1	3

ZNF44	1	0	0	1	0	0	0	0	0	1	3
TM7SF3	0	1	0	1	0	0	0	0	0	1	3
ZAK	1	0	0	1	0	0	0	0	0	1	3
ACP1	0	1	0	1	0	0	0	0	0	1	3
PHKA1	1	0	0	1	0	0	0	0	0	1	3
SERPINI1	1	1	0	1	0	0	0	0	0	0	3
PIGA	1	0	0	1	0	0	0	0	0	1	3
PIK3C2A	0	1	0	1	0	0	0	0	0	1	3
PKHD1	1	1	0	1	0	0	0	0	0	0	3
PKP2	1	0	0	1	0	0	0	0	0	1	3
PLA2G5	1	1	0	1	0	0	0	0	0	0	3
PLAG1	1	0	0	1	0	0	0	0	0	1	3
PANK1	1	0	0	1	0	0	0	0	0	1	3
PANK1	1	0	0	1	0	0	0	0	0	1	3
PLD1	1	0	0	1	0	0	0	0	0	1	3
PLP1	1	0	0	1	1	0	0	0	0	0	3
PLRG1	1	1	0	1	0	0	0	0	0	0	3
ATP7B	1	0	0	1	0	0	0	0	0	1	3
PODXL	1	0	0	1	0	0	0	0	0	1	3
POLH	0	1	0	1	0	0	0	0	0	1	3
GDAP1	1	0	0	1	0	0	0	0	0	1	3
POMC	1	0	0	1	0	0	0	0	0	1	3
DNAJC10	1	1	0	1	0	0	0	0	0	0	3
RBM27	0	1	0	1	0	0	0	0	0	1	3
XRN1	1	0	0	1	0	0	0	0	0	1	3
NLE1	1	0	0	1	0	0	0	0	0	1	3
CCDC93	1	1	0	1	0	0	0	0	0	0	3
USP53	0	1	0	1	0	0	0	0	0	1	3
GNL3L	1	1	0	1	0	0	0	0	0	0	3
LZTFL1	1	1	0	1	0	0	0	0	0	0	3
PPARA	1	0	0	1	0	0	0	0	0	1	3
TMEM106B	1	0	0	1	0	0	0	0	0	1	3
PPM2C	1	0	0	1	0	0	0	0	0	1	3
OTUD4	0	0	0	1	1	0	0	0	0	1	3
TRIM44	0	1	0	1	0	0	0	0	0	1	3
CNNM2	1	0	0	1	0	0	0	0	0	1	3
GDAP2	1	1	0	1	0	0	0	0	0	0	3
BIVM	1	0	0	1	0	0	0	0	0	1	3
RBM35A	1	0	0	1	0	0	0	0	0	1	3
RBM35A	1	0	0	1	0	0	0	0	0	1	3
RBM35A	0	1	0	1	0	0	0	0	0	1	3

PAQR5	1	0	0	1	0	0	0	0	0	1	3
GON4L	1	1	0	1	0	0	0	0	0	0	3
bA16L21.2.1	1	1	0	1	0	0	0	0	0	0	3
RP11-35N6.1	1	1	0	1	0	0	0	0	0	0	3
FLJ20309	0	1	0	1	0	0	0	0	0	1	3
MTMR10	0	1	0	1	0	0	0	0	0	1	3
LAX1	1	1	0	1	0	0	0	0	0	0	3
RASIP1	1	1	0	1	0	0	0	0	0	0	3
UBE2R2	1	1	0	1	0	0	0	0	0	0	3
PPL	1	1	0	1	0	0	0	0	0	0	3
RG9MTD1	0	1	0	1	0	0	0	0	0	1	3
OCIAD1	1	0	0	1	0	0	0	0	0	1	3
OCIAD1	1	0	0	1	0	0	0	0	0	1	3
OCIAD1	1	0	0	1	0	0	0	0	0	1	3
LPCAT2	0	1	0	1	0	0	0	0	0	1	3
C2orf42	1	1	0	1	0	0	0	0	0	0	3
PRPF39	1	1	0	1	0	0	0	0	0	0	3
BANK1	1	0	0	1	0	0	0	0	0	1	3
BANK1	1	0	0	1	0	0	0	0	0	1	3
FAM70A	1	0	0	1	0	0	0	0	0	1	3
FAM70A	1	0	0	1	0	0	0	0	0	1	3
ATG16L1	1	0	0	1	0	0	0	0	0	1	3
C9orf68	0	1	0	1	0	0	0	0	0	1	3
MED9	1	1	0	1	0	0	0	0	0	0	3
SAMD4B	1	1	0	1	0	0	0	0	0	0	3
RALGPS2	1	1	0	1	0	0	0	0	0	0	3
LRRC8D	1	0	0	1	0	0	0	0	0	1	3
DALRD3	1	1	0	1	0	0	0	0	0	0	3
SDAD1	1	1	0	1	0	0	0	0	0	0	3
SLC25A36	0	1	0	1	0	0	0	0	0	1	3
VPS13D	1	1	0	1	0	0	0	0	0	0	3
PBRM1	1	0	0	1	0	0	0	0	0	1	3
PBRM1	1	0	0	1	0	0	0	0	0	1	3
PPP2R3A	1	0	0	1	0	0	0	0	0	1	3
TMEM206	1	1	0	1	0	0	0	0	0	0	3
PSPC1	0	1	0	1	0	0	0	0	0	1	3
UBE2W	1	0	0	1	0	0	0	0	0	1	3
FLJ11151	0	1	0	1	0	0	0	0	0	1	3
HEMGN	1	0	0	1	0	0	0	0	0	1	3
MCM10	1	0	0	1	0	0	0	0	0	1	3
DNAJA4	1	0	0	1	0	0	0	0	0	1	3

DNAJA4	1	0	0	1	0	0	0	0	0	1	3
PRCP	1	0	0	1	0	0	0	0	0	1	3
SLC30A10	1	1	0	1	0	0	0	0	0	0	3
RBM38	1	1	0	1	0	0	0	0	0	0	3
RBM38	1	1	0	1	0	0	0	0	0	0	3
SOX6	1	0	0	1	0	0	0	0	0	1	3
PLXNA3	1	1	0	1	0	0	0	0	0	0	3
BMP2K	1	0	0	1	0	0	0	0	0	1	3
ITLN1	1	1	0	1	0	0	0	0	0	0	3
DDX60	1	0	0	1	0	0	0	0	0	1	3
PPP1R9A	1	0	0	1	0	0	0	0	0	1	3
PRKAA2	0	1	0	1	0	0	0	0	0	1	3
ZNF673	1	0	0	1	0	0	0	0	0	1	3
ZNF673	1	0	0	1	0	0	0	0	0	1	3
RAB20	1	1	0	1	0	0	0	0	0	0	3
PRPF40A	0	1	0	1	0	0	0	0	0	1	3
KIAA1310	1	1	0	1	0	0	0	0	0	0	3
ASF1B	1	1	0	1	0	0	0	0	0	0	3
C17orf63	0	1	0	1	0	0	0	0	0	1	3
PARVA	1	1	0	1	0	0	0	0	0	0	3
ZNF83	1	0	0	1	0	0	0	0	0	1	3
PRKAR2B	1	1	0	1	0	0	0	0	0	0	3
FLJ11171	1	0	0	1	0	0	0	0	0	1	3
CSGALNACT1	1	0	0	1	0	0	0	0	0	1	3
SCN3B	1	0	0	1	0	0	0	0	0	1	3
TRERF1	1	1	0	1	0	0	0	0	0	0	3
FOXJ2	1	1	0	1	0	0	0	0	0	0	3
BDP1	1	1	0	1	0	0	0	0	0	0	3
IQWD1	1	1	0	1	0	0	0	0	0	0	3
CAND1	1	1	0	1	0	0	0	0	0	0	3
MLL5	1	0	0	1	0	0	0	0	0	1	3
PRKG1	1	0	0	1	0	0	0	0	0	1	3
C20orf24	1	1	0	1	0	0	0	0	0	0	3
C20orf24	1	1	0	1	0	0	0	0	0	0	3
SLC25A40	1	1	0	1	0	0	0	0	0	0	3
FAM54B	1	0	0	1	0	0	0	0	0	1	3
FAM54B	1	0	0	1	0	0	0	0	0	1	3
FAM54B	1	0	0	1	0	0	0	0	0	1	3
PRM1	1	1	0	1	0	0	0	0	0	0	3
YLPM1	0	1	0	1	0	0	0	0	0	1	3
LRRC8A	1	1	0	1	0	0	0	0	0	0	3

PRRG1	1	0	0	1	0	0	0	0	0	1	3
KLK7	0	1	0	1	0	0	0	0	0	1	3
PSAP	1	0	0	1	0	0	0	0	0	1	3
KCNK13	1	1	0	1	0	0	0	0	0	0	3
JPH1	1	1	0	1	0	0	0	0	0	0	3
PSG3	0	1	0	1	0	0	0	0	0	1	3
PSG5	0	1	0	1	0	0	0	0	0	1	3
PSG11	0	1	0	1	0	0	0	0	0	1	3
KCMF1	0	1	0	1	0	0	0	0	0	1	3
AGPAT3	1	0	0	1	0	0	0	0	0	1	3
ANKS1B	1	0	0	1	1	0	0	0	0	0	3
C1orf119	0	1	0	1	0	0	0	0	0	1	3
PAPOLB	0	1	0	1	0	0	0	0	0	1	3
SPIRE1	1	0	0	1	0	0	0	0	0	1	3
SMARCAD1	1	0	0	1	0	0	0	0	0	1	3
SMARCAD1	1	0	0	1	0	0	0	0	0	1	3
MEPE	0	1	0	1	0	0	0	0	0	1	3
PRDM10	1	0	0	1	1	0	0	0	0	0	3
PRDM10	1	0	0	1	1	0	0	0	0	0	3
PRDM10	1	0	0	1	1	0	0	0	0	0	3
KTELC1	1	1	0	1	0	0	0	0	0	0	3
ENTPD7	0	1	0	1	0	0	0	0	0	1	3
CPA6	1	1	0	1	0	0	0	0	0	0	3
BACH1	1	1	0	1	0	0	0	0	0	0	3
GOPC	1	0	0	1	0	0	0	0	0	1	3
LYRM1	1	0	0	1	0	0	0	0	0	1	3
LYRM1	1	0	0	1	0	0	0	0	0	1	3
C6orf162	1	1	0	1	0	0	0	0	0	0	3
SMURF1	1	1	0	1	0	0	0	0	0	0	3
PHTF2	1	0	0	1	0	0	0	0	0	1	3
PHTF2	1	0	0	1	0	0	0	0	0	1	3
KIAA1191	1	1	0	1	0	0	0	0	0	0	3
SLC39A10	1	0	0	1	0	0	0	0	0	1	3
PSMD13	1	1	0	1	0	0	0	0	0	0	3
ZNF248	0	1	0	1	0	0	0	0	0	1	3
GPR126	1	0	0	1	0	0	0	0	0	1	3
SMEK2	1	1	0	1	0	0	0	0	0	0	3
LYRM2	0	1	0	1	0	0	0	0	0	1	3
PTCH1	0	1	0	1	0	0	0	0	0	1	3
NDRG3	1	0	0	1	0	0	0	0	0	1	3
NDRG2	1	0	0	1	0	0	0	0	0	1	3

NDRG2	1	0	0	1	0	0	0	0	0	1	3
NDRG2	1	0	0	1	0	0	0	0	0	1	3
NDRG2	1	0	0	1	0	0	0	0	0	1	3
NDRG2	1	0	0	1	0	0	0	0	0	1	3
NDRG2	1	0	0	1	0	0	0	0	0	1	3
SLC12A5	1	0	0	1	0	0	0	0	0	1	3
ERMN	1	0	0	1	0	0	0	0	0	1	3
USP31	0	1	0	1	0	0	0	0	0	1	3
NLGN4X	1	1	0	1	0	0	0	0	0	0	3
MTUS1	1	0	0	1	0	0	0	0	0	1	3
MTUS1	1	0	0	1	0	0	0	0	0	1	3
MTUS1	1	0	0	1	0	0	0	0	0	1	3
PCDH19	1	0	0	1	0	0	0	0	0	1	3
NUFIP2	0	1	0	1	0	0	0	0	0	1	3
TBC1D14	1	0	0	1	0	0	0	0	0	1	3
TBC1D14	1	0	0	1	0	0	0	0	0	1	3
ZNF398	1	0	0	1	0	0	0	0	0	1	3
AADACL1	1	0	0	1	0	0	0	0	0	1	3
STAMBPL1	0	1	0	1	0	0	0	0	0	1	3
KIAA1377	1	1	0	1	0	0	0	0	0	0	3
FAM135A	1	0	0	1	0	0	0	0	0	1	3
FAM135A	1	0	0	1	0	0	0	0	0	1	3
KIAA1549	0	1	0	1	0	0	0	0	0	1	3
CACHD1	1	1	0	1	0	0	0	0	0	0	3
ZNF317	1	1	0	1	0	0	0	0	0	0	3
NOPE	1	1	0	1	0	0	0	0	0	0	3
SF4	1	1	0	1	0	0	0	0	0	0	3
CYP4F11	1	1	0	1	0	0	0	0	0	0	3
PTPRB	1	0	0	1	0	0	0	0	0	1	3
PTPRC	1	0	0	1	0	0	0	0	0	1	3
PTPRD	1	1	0	1	0	0	0	0	0	0	3
PTPRE	1	0	0	1	0	0	0	0	0	1	3
PWP2	0	1	0	1	0	0	0	0	0	1	3
PXMP2	0	1	0	1	0	0	0	0	0	1	3
RHOU	1	1	0	1	0	0	0	0	0	0	3
CREBZF	0	1	0	1	0	0	0	0	0	1	3
C6orf115	1	1	0	1	0	0	0	0	0	0	3
RRAGD	1	1	0	1	0	0	0	0	0	0	3
RAG1	1	1	0	1	0	0	0	0	0	0	3
PLEKHA1	1	0	0	1	0	0	0	0	0	1	3
RBL2	1	1	0	1	0	0	0	0	0	0	3

RBMS2	0	1	0	1	0	0	0	0	0	1	3
RECQL	1	0	0	1	0	0	0	0	0	1	3
BCL2L2	1	1	0	1	0	0	0	0	0	0	3
RGS13	1	0	0	1	0	0	0	0	0	1	3
RGS13	0	1	0	1	0	0	0	0	0	1	3
RIT1	1	1	0	1	0	0	0	0	0	0	3
BCL6	1	0	0	1	0	0	0	0	0	1	3
RNF6	1	0	0	1	0	0	0	0	0	1	3
RNF6	1	0	0	1	0	0	0	0	0	1	3
HPSE2	1	1	0	1	0	0	0	0	0	0	3
DHX35	1	1	0	1	0	0	0	0	0	0	3
ROBO2	1	0	0	1	0	0	0	0	0	1	3
BDH1	1	1	0	1	0	0	0	0	0	0	3
RTN1	1	1	0	1	0	0	0	0	0	0	3
SC5DL	1	0	0	1	0	0	0	0	0	1	3
SCN2B	1	1	0	1	0	0	0	0	0	0	3
SCN9A	0	1	0	1	0	0	0	0	0	1	3
CXCL12	0	1	0	1	0	0	0	0	0	1	3
C10orf84	1	0	0	1	0	0	0	0	0	1	3
PRDM1	1	0	0	1	0	0	0	0	0	1	3
ANKRD5	1	0	0	1	0	0	0	0	0	1	3
FIGNL1	1	1	0	1	0	0	0	0	0	0	3
PERP	0	1	0	1	0	0	0	0	0	1	3
NPAS3	1	1	0	1	0	0	0	0	0	0	3
ZNF674	0	1	0	1	0	0	0	0	0	1	3
SPATA1	0	1	0	1	0	0	0	0	0	1	3
SFRP5	1	1	0	1	0	0	0	0	0	0	3
SFRS1	0	1	0	1	0	0	0	0	0	1	3
SFRS3	1	1	0	1	0	0	0	0	0	0	3
PAPD5	1	0	0	1	0	0	0	0	0	1	3
SFRS5	1	0	0	1	0	0	0	0	0	1	3
ZFP106	1	1	0	1	0	0	0	0	0	0	3
LOC644096	1	1	0	1	0	0	0	0	0	0	3
SCG5	1	0	0	1	0	0	0	0	0	1	3
CSMD1	0	1	0	1	0	0	0	0	0	1	3
CXorf30	0	1	0	1	0	0	0	0	0	1	3
SH3BP2	1	0	0	1	0	0	0	0	0	1	3
SH3BP2	1	0	0	1	0	0	0	0	0	1	3
ITSN1	1	0	0	1	0	0	0	0	0	1	3
CTAGE1	0	1	0	1	0	0	0	0	0	1	3
ATPAF1	1	0	0	1	0	0	0	0	0	1	3

TBC1D15	0	1	0	1	0	0	0	0	0	1	3
RABL5	1	0	0	1	0	0	0	0	0	1	3
RABL5	1	0	0	1	0	0	0	0	0	1	3
ARV1	1	1	0	1	0	0	0	0	0	0	3
IL25	1	0	0	1	0	0	0	0	0	1	3
ST3GAL1	1	0	0	1	0	0	0	0	0	1	3
SLC13A3	1	0	0	1	0	0	0	0	0	1	3
USP46	1	0	0	1	0	0	0	0	0	1	3
PCDH20	1	1	0	1	0	0	0	0	0	0	3
ST8SIA1	0	1	0	1	0	0	0	0	0	1	3
TTC23	1	0	0	1	0	0	0	0	0	1	3
TTC23	1	0	0	1	0	0	0	0	0	1	3
TTC23	1	0	0	1	0	0	0	0	0	1	3
TTC23	1	0	0	1	0	0	0	0	0	1	3
TTC23	1	0	0	1	0	0	0	0	0	1	3
MRPS9	1	1	0	1	0	0	0	0	0	0	3
BMP2	1	1	0	1	0	0	0	0	0	0	3
SKP1	0	1	0	1	0	0	0	0	0	1	3
SKP1	0	1	0	1	0	0	0	0	0	1	3
NDRG4	1	0	0	1	0	0	0	0	0	1	3
NDRG4	1	0	0	1	0	0	0	0	0	1	3
SLA	1	0	0	1	0	0	0	0	0	1	3
SLA	1	0	0	1	0	0	0	0	0	1	3
GPBP1	1	0	0	1	0	0	0	0	0	1	3
ALS2CR4	1	0	0	1	0	0	0	0	0	1	3
BMP3	0	1	0	1	0	0	0	0	0	1	3
SLC2A1	0	1	0	1	0	0	0	0	0	1	3
SLC7A2	1	0	0	1	0	0	0	0	0	1	3
SLC16A2	1	1	0	1	0	0	0	0	0	0	3
SLIT1	1	1	0	1	0	0	0	0	0	0	3
PHACTR4	1	0	0	1	0	0	0	0	0	1	3
CAPRIN2	1	0	0	1	0	0	0	0	0	1	3
KCTD14	1	1	0	1	0	0	0	0	0	0	3
SMARCC2	1	1	0	1	0	0	0	0	0	0	3
BOLL	1	0	0	1	0	0	0	0	0	1	3
SNAP25	1	0	0	1	0	0	0	0	0	1	3
SNTB1	0	1	0	1	0	0	0	0	0	1	3
SNX1	1	0	0	1	0	0	0	0	0	1	3
SNX1	1	0	0	1	0	0	0	0	0	1	3
SOD3	1	1	0	1	0	0	0	0	0	0	3
BOK	1	1	0	1	0	0	0	0	0	0	3

SOX9	1	1	0	1	0	0	0	0	0	0	3
SP3	1	1	0	1	0	0	0	0	0	0	3
SP100	1	1	0	1	0	0	0	0	0	0	3
SPAG1	1	0	0	1	0	0	0	0	0	1	3
SPP1	1	0	0	1	0	0	0	0	0	1	3
SPP1	1	0	0	1	0	0	0	0	0	1	3
SRI	0	1	0	1	0	0	0	0	0	1	3
SREBF2	1	1	0	1	0	0	0	0	0	0	3
SRPK2	1	0	0	1	0	0	0	0	0	1	3
SSB	1	1	0	1	0	0	0	0	0	0	3
SSR1	0	1	0	1	0	0	0	0	0	1	3
STAT3	1	0	0	1	0	0	0	0	0	1	3
STAT3	0	1	0	1	0	0	0	0	0	1	3
STYX	1	1	0	1	0	0	0	0	0	0	3
SULT1C2	1	0	0	1	0	0	0	0	0	1	3
VAMP1	1	1	0	1	0	0	0	0	0	0	3
SYN2	0	1	0	1	0	0	0	0	0	1	3
CNTN2	1	1	0	1	0	0	0	0	0	0	3
TBXA2R	1	1	0	1	0	0	0	0	0	0	3
TCF4	0	1	0	1	0	0	0	0	0	1	3
C2orf3	1	0	0	1	0	0	0	0	0	1	3
TFDP1	1	1	0	1	0	0	0	0	0	0	3
TFRC	1	0	0	1	0	0	0	0	0	1	3
TGFA	0	1	0	1	0	0	0	0	0	1	3
TGFBR1	1	0	0	1	0	0	0	0	0	1	3
TGFBR2	1	0	0	1	0	0	0	0	0	1	3
TGFBR3	1	1	0	1	0	0	0	0	0	0	3
THRB	1	0	0	1	0	0	0	0	0	1	3
THRB	1	0	0	1	0	0	0	0	0	1	3
TIAL1	1	0	0	1	0	0	0	0	0	1	3
TSPAN7	1	1	0	1	0	0	0	0	0	0	3
GPR137B	1	1	0	1	0	0	0	0	0	0	3
TMPRSS2	1	0	0	1	0	0	0	0	0	1	3
TNF	0	1	0	1	0	0	0	0	0	1	3
TNS1	0	1	0	1	0	0	0	0	0	1	3
TPD52	1	0	0	1	0	0	0	0	0	1	3
TPD52L2	1	1	0	1	0	0	0	0	0	0	3
TRPS1	1	1	0	1	0	0	0	0	0	0	3
TSC1	1	1	0	1	0	0	0	0	0	0	3
TUB	1	0	0	1	0	0	0	0	0	1	3
C5AR1	1	1	0	1	0	0	0	0	0	0	3

TUFM	0	1	0	1	0	0	0	0	0	1	3
FLJ78302	1	1	0	1	0	0	0	0	0	0	3
C6orf35	0	1	0	1	0	0	0	0	0	1	3
TXNRD1	1	1	0	1	0	0	0	0	0	0	3
LOC729830	0	1	0	1	0	0	0	0	0	1	3
UBE2A	1	0	0	1	0	0	0	0	0	1	3
UBE2A	1	0	0	1	0	0	0	0	0	1	3
UBE2G1	1	1	0	1	0	0	0	0	0	0	3
UBE3A	1	1	0	1	0	0	0	0	0	0	3
UBP1	1	0	0	1	0	0	0	0	0	1	3
VCAM1	1	0	0	1	0	0	0	0	0	1	3
VEGFA	1	1	0	1	0	0	0	0	0	0	3
VEGFA	1	1	0	1	0	0	0	0	0	0	3
VEGFA	1	1	0	1	0	0	0	0	0	0	3
VIP	1	0	0	1	0	0	0	0	0	1	3
TRPV1	1	1	0	1	0	0	0	0	0	0	3
WHSC1	1	0	0	1	0	0	0	0	0	1	3
WHSC1	1	0	0	1	0	0	0	0	0	1	3
WHSC1	1	0	0	1	0	0	0	0	0	1	3
XG	1	0	0	1	0	0	0	0	0	1	3
YWHAB	1	0	0	1	0	0	0	0	0	1	3
C18orf1	1	0	0	1	0	0	0	0	0	1	3
C18orf1	1	0	0	1	0	0	0	0	0	1	3
C18orf1	1	0	0	1	0	0	0	0	0	1	3
C18orf1	1	0	0	1	0	0	0	0	0	1	3
C18orf1	1	0	0	1	0	0	0	0	0	1	3
SF1	1	0	0	1	0	0	0	0	0	1	3
ZFY	1	1	0	1	0	0	0	0	0	0	3
ZSCAN20	1	1	0	1	0	0	0	0	0	0	3
ZNF35	1	1	0	1	0	0	0	0	0	0	3
ZNF37A	1	0	0	1	0	0	0	0	0	1	3
ZNF84	1	0	0	1	0	0	0	0	0	1	3
PSAPL1	1	1	0	1	0	0	0	0	0	0	3
ZNF133	1	1	0	1	0	0	0	0	0	0	3
ZNF148	0	1	0	1	0	0	0	0	0	1	3
ZNF154	0	1	0	1	0	0	0	0	0	1	3
VEZF1	1	1	0	1	0	0	0	0	0	0	3
ZNF200	1	0	0	1	0	0	0	0	0	1	3
ZNF200	1	0	0	1	0	0	0	0	0	1	3
ZNF207	1	0	0	1	0	0	0	0	0	1	3
ZNF208	1	1	0	1	0	0	0	0	0	0	3

ZFAND5	1	0	0	1	0	0	0	0	0	1	3
LRP8	1	0	0	1	0	0	0	0	0	1	3
LRP8	1	0	0	1	0	0	0	0	0	1	3
LRP8	1	0	0	1	0	0	0	0	0	1	3
FAM18A	0	1	0	1	0	0	0	0	0	1	3
CACNB2	0	0	0	1	1	0	0	0	0	1	3
SEMA3B	0	1	0	1	0	0	0	0	0	1	3
ZNF655	1	0	0	1	0	0	0	0	0	1	3
ZNF655	1	0	0	1	0	0	0	0	0	1	3
CARD14	1	1	0	1	0	0	0	0	0	0	3
C20orf121	1	0	0	1	0	0	0	0	0	1	3
ZNF557	1	0	0	1	0	0	0	0	0	1	3
ZNF557	1	0	0	1	0	0	0	0	0	1	3
ZXDC	1	1	0	1	0	0	0	0	0	0	3
FCRL2	1	1	0	1	0	0	0	0	0	0	3
C4orf15	1	1	0	1	0	0	0	0	0	0	3
LRRC2	1	1	0	1	0	0	0	0	0	0	3
EPM2A	1	1	0	1	0	0	0	0	0	0	3
EPM2A	1	1	0	1	0	0	0	0	0	0	3
ATP13A3	1	1	0	1	0	0	0	0	0	0	3
RNF128	1	0	0	1	0	0	0	0	0	1	3
CALCA	0	1	0	1	0	0	0	0	0	1	3
FAM118B	1	1	0	1	0	0	0	0	0	0	3
C1orf108	1	1	0	1	0	0	0	0	0	0	3
DYNC2H1	0	1	0	1	0	0	0	0	0	1	3
PPP1R3B	0	1	0	1	0	0	0	0	0	1	3
NARG2	1	0	0	1	0	0	0	0	0	1	3
ZNF329	0	1	0	1	0	0	0	0	0	1	3
FASTKD1	0	1	0	1	0	0	0	0	0	1	3
PPCS	1	0	0	1	0	0	0	0	0	1	3
TBL1XR1	0	1	0	1	0	0	0	0	0	1	3
C1orf113	1	0	0	1	0	0	0	0	0	1	3
ZNF419	1	0	0	1	0	0	0	0	0	1	3
ZNF419	1	0	0	1	0	0	0	0	0	1	3
ZNF419	1	0	0	1	0	0	0	0	0	1	3
ZNF419	1	0	0	1	0	0	0	0	0	1	3
ZNF419	1	0	0	1	0	0	0	0	0	1	3
ZFHX4	0	1	0	1	0	0	0	0	0	1	3
ALG9	1	0	0	1	0	0	0	0	0	1	3
ALG9	1	0	0	1	0	0	0	0	0	1	3
ALS2CR8	1	0	0	1	0	0	0	0	0	1	3

GSTCD	1	0	0	1	0	0	0	0	0	1	3
METTL8	0	1	0	1	0	0	0	0	0	1	3
NAT11	1	1	0	1	0	0	0	0	0	0	3
FAM124B	1	1	0	1	0	0	0	0	0	0	3
C2orf54	1	0	0	1	0	0	0	0	0	1	3
KIAA0319L	1	1	0	1	0	0	0	0	0	0	3
SYNPO2L	1	1	0	1	0	0	0	0	0	0	3
MYST3	1	1	0	1	0	0	0	0	0	0	3
SCD5	1	1	0	1	0	0	0	0	0	0	3
C10orf88	0	1	0	1	0	0	0	0	0	1	3
WWC2	0	1	0	1	0	0	0	0	0	1	3
PANK2	1	0	0	1	0	0	0	0	0	1	3
PANK2	1	0	0	1	0	0	0	0	0	1	3
SEMA6D	0	1	0	1	0	0	0	0	0	1	3
TRPM3	1	0	0	1	0	0	0	0	0	1	3
TRPM3	1	0	0	1	0	0	0	0	0	1	3
TRPM3	1	0	0	1	0	0	0	0	0	1	3
ZFP2	0	1	0	1	0	0	0	0	0	1	3
ASRGL1	1	0	0	1	0	0	0	0	0	1	3
IFT74	1	1	0	1	0	0	0	0	0	0	3
OPA3	0	1	0	1	0	0	0	0	0	1	3
TM2D3	1	1	0	1	0	0	0	0	0	0	3
LHX3	1	0	0	1	0	0	0	0	0	1	3
RAB11FIP1	1	1	0	1	0	0	0	0	0	0	3
MLLT10	0	1	0	1	0	0	0	0	0	1	3
MLLT10	1	0	0	1	0	0	0	0	0	1	3
CUBN	0	1	0	1	0	0	0	0	0	1	3
ZKSCAN3	0	1	0	1	0	0	0	0	0	1	3
WDR23	1	0	0	1	0	0	0	0	0	1	3
WDR23	1	0	0	1	0	0	0	0	0	1	3
COASY	1	0	0	1	0	0	0	0	0	1	3
COASY	1	0	0	1	0	0	0	0	0	1	3
COASY	1	0	0	1	0	0	0	0	0	1	3
COASY	1	0	0	1	0	0	0	0	0	1	3
ADAM12	1	1	0	1	0	0	0	0	0	0	3
TMEM22	1	0	0	1	0	0	0	0	0	1	3
TMEM22	1	0	0	1	0	0	0	0	0	1	3
KHDC1	0	1	0	1	0	0	0	0	0	1	3
ITIH5	1	0	0	1	0	0	0	0	0	1	3
CALM3	1	1	0	1	0	0	0	0	0	0	3
ZNF436	1	0	0	1	0	0	0	0	0	1	3

ZFP91	1	1	0	1	0	0	0	0	0	0	3
APOL6	0	1	0	1	0	0	0	0	0	1	3
HMGA2	0	1	0	1	0	0	0	0	0	1	3
WNT5B	1	0	0	1	0	0	0	0	0	1	3
ANP32A	1	1	0	1	0	0	0	0	0	0	3
ST8SIA2	1	1	0	1	0	0	0	0	0	0	3
CALU	1	0	0	1	0	0	0	0	0	1	3
TAF15	0	1	0	1	0	0	0	0	0	1	3
HM13	0	1	0	1	0	0	0	0	0	1	3
SLC38A1	1	0	0	1	0	0	0	0	0	1	3
TSPAN14	1	1	0	1	0	0	0	0	0	0	3
CCNL2	0	1	0	1	0	0	0	0	0	1	3
RNF146	1	1	0	1	0	0	0	0	0	0	3
CABLES2	1	1	0	1	0	0	0	0	0	0	3
NCOA3	1	0	0	1	0	0	0	0	0	1	3
NRIP1	1	1	0	1	0	0	0	0	0	0	3
HDHD1A	1	0	0	1	0	0	0	0	0	1	3
USP9X	1	0	0	1	0	0	0	0	0	1	3
JARID1C	1	1	0	1	0	0	0	0	0	0	3
COLQ	1	1	0	1	0	0	0	0	0	0	3
PICALM	1	0	0	1	0	0	0	0	0	1	3
ACOX3	0	1	0	1	0	0	0	0	0	1	3
BRAP	1	1	0	1	0	0	0	0	0	0	3
CASP1	0	1	0	1	0	0	0	0	0	1	3
LRRC48	0	1	0	1	0	0	0	0	0	1	3
HIST1H3D	0	1	0	1	0	0	0	0	0	1	3
DNAL1	0	1	0	1	0	0	0	0	0	1	3
C19orf12	1	0	0	1	0	0	0	0	0	1	3
DYNLRB1	1	1	0	1	0	0	0	0	0	0	3
CD99L2	1	1	0	1	0	0	0	0	0	0	3
FCAMR	1	1	0	1	0	0	0	0	0	0	3
NCALD	1	0	0	1	0	0	0	0	0	1	3
NCALD	1	0	0	1	0	0	0	0	0	1	3
TMPRSS13	1	1	0	1	0	0	0	0	0	0	3
KATNAL1	1	0	0	1	0	0	0	0	0	1	3
MAGT1	1	1	0	1	0	0	0	0	0	0	3
C11orf56	1	0	0	1	0	0	0	0	0	1	3
CASP8	1	1	0	1	0	0	0	0	0	0	3
CASP8	1	1	0	1	0	0	0	0	0	0	3
ARL6	1	1	0	1	0	0	0	0	0	0	3
STX7	1	1	0	1	0	0	0	0	0	0	3

RHBDD1	1	1	0	1	0	0	0	0	0	0	3
CAMKK1	1	0	0	1	0	0	0	0	0	1	3
STK24	1	0	0	1	0	0	0	0	0	1	3
MGC13057	1	0	0	1	0	0	0	0	0	1	3
BRMS1L	1	1	0	1	0	0	0	0	0	0	3
NCK2	1	1	0	1	0	0	0	0	0	0	3
NCK2	1	1	0	1	0	0	0	0	0	0	3
C15orf48	1	0	0	1	0	0	0	0	0	1	3
GPR123	1	0	0	1	0	0	0	0	0	1	3
ZNF333	1	1	0	1	0	0	0	0	0	0	3
DYRK2	0	1	0	1	0	0	0	0	0	1	3
ZNF512	0	1	0	1	0	0	0	0	0	1	3
L3MBTL3	1	1	0	1	0	0	0	0	0	0	3
CUL4B	1	1	0	1	0	0	0	0	0	0	3
JPH4	1	0	0	1	0	0	0	0	0	1	3
ZNF527	0	1	0	1	0	0	0	0	0	1	3
PGBD1	1	1	0	1	0	0	0	0	0	0	3
PARD6B	0	1	0	1	0	0	0	0	0	1	3
GPR174	0	1	0	1	0	0	0	0	0	1	3
N-PAC	1	1	0	1	0	0	0	0	0	0	3
SORBS2	1	0	0	1	0	0	0	0	0	1	3
SORBS2	1	0	0	1	0	0	0	0	0	1	3
GTPBP3	1	0	0	1	0	0	0	0	0	1	3
GPT2	1	1	0	1	0	0	0	0	0	0	3
PSRC1	1	0	0	1	0	0	0	0	0	1	3
MINA	1	0	0	1	0	0	0	0	0	1	3
MINA	1	0	0	1	0	0	0	0	0	1	3
PTPN5	1	1	0	1	0	0	0	0	0	0	3
HAVCR2	1	1	0	1	0	0	0	0	0	0	3
TBRG1	0	1	0	1	0	0	0	0	0	1	3
ZNF566	1	0	0	1	0	0	0	0	0	1	3
MAEL	1	1	0	1	0	0	0	0	0	0	3
UBASH3B	1	1	0	1	0	0	0	0	0	0	3
PPFIBP1	1	1	0	1	0	0	0	0	0	0	3
RANBP3	1	0	0	1	0	0	0	0	0	1	3
RANBP3	1	0	0	1	0	0	0	0	0	1	3
ARHGAP19	1	1	0	1	0	0	0	0	0	0	3
PIGY	1	1	0	1	0	0	0	0	0	0	3
USP45	0	1	0	1	0	0	0	0	0	1	3
PIK3R3	1	0	0	1	0	0	0	0	0	1	3
GAS7	1	0	0	1	0	0	0	0	0	1	3

GAS7	1	0	0	1	0	0	0	0	0	1	3
GAS7	1	0	0	1	0	0	0	0	0	1	3
DDO	1	0	0	1	0	0	0	0	0	1	3
CNTNAP4	1	0	0	1	0	0	0	0	0	1	3
CGGBP1	1	0	0	1	0	0	0	0	0	1	3
KIAA1751	1	1	0	1	0	0	0	0	0	0	3
DIXDC1	1	0	0	1	0	0	0	0	0	1	3
TANC1	1	1	0	1	0	0	0	0	0	0	3
CDC14B	1	0	0	1	0	0	0	0	0	1	3
CDC14B	1	0	0	1	0	0	0	0	0	1	3
MADD	1	0	0	1	0	0	0	0	0	1	3
MADD	1	0	0	1	0	0	0	0	0	1	3
MADD	1	0	0	1	0	0	0	0	0	1	3
MADD	1	0	0	1	0	0	0	0	0	1	3
MADD	1	0	0	1	0	0	0	0	0	1	3
KHSRP	0	1	0	1	0	0	0	0	0	1	3
CASK	1	1	0	1	0	0	0	0	0	0	3
GTPBP10	1	0	0	1	0	0	0	0	0	1	3
TP63	1	0	0	1	0	0	0	0	0	1	3
TP63	1	0	0	1	0	0	0	0	0	1	3
JRK	0	1	0	1	0	0	0	0	0	1	3
ABCB11	1	1	0	1	0	0	0	0	0	0	3
DDX3Y	1	0	0	1	0	0	0	0	0	1	3
PDE5A	1	0	0	1	0	0	0	0	0	1	3
SLC4A4	1	0	0	1	0	0	0	0	0	1	3
GALNT4	0	1	0	1	0	0	0	0	0	1	3
TNK1	0	1	0	1	0	0	0	0	0	1	3
TRADD	1	1	0	1	0	0	0	0	0	0	3
C19orf2	1	0	0	1	0	0	0	0	0	1	3
ADAM19	1	1	0	1	0	0	0	0	0	0	3
GBF1	1	1	0	1	0	0	0	0	0	0	3
RIOK3	0	1	0	1	0	0	0	0	0	1	3
TNFRSF10B	1	0	0	1	0	0	0	0	0	1	3
CCNK	0	1	0	1	0	0	0	0	0	1	3
INPP4B	0	1	0	1	0	0	0	0	0	1	3
CES2	1	1	0	1	0	0	0	0	0	0	3
IQGAP1	1	1	0	1	0	0	0	0	0	0	3
CCBL1	1	1	0	1	0	0	0	0	0	0	3
AKAP4	1	0	0	1	0	0	0	0	0	1	3
DDEF2	1	1	0	1	0	0	0	0	0	0	3
VNN2	1	0	0	1	0	0	0	0	0	1	3

KRIT1	1	0	0	1	0	0	0	0	0	1	3
KRIT1	1	0	0	1	0	0	0	0	0	1	3
MTMR3	0	1	0	1	0	0	0	0	0	1	3
GYG2	1	1	0	1	0	0	0	0	0	0	3
TRIM4	1	1	0	1	0	0	0	0	0	0	3
MBD2	1	1	0	1	0	0	0	0	0	0	3
SKAP2	1	1	0	1	0	0	0	0	0	0	3
WASF1	1	0	0	1	0	0	0	0	0	1	3
WASF1	1	0	0	1	0	0	0	0	0	1	3
WASF1	1	0	0	1	0	0	0	0	0	1	3
AP3D1	1	0	0	1	0	0	0	0	0	1	3
BTRC	1	0	0	1	0	0	0	0	0	1	3
P4HA2	1	0	0	1	0	0	0	0	0	1	3
P4HA2	1	0	0	1	0	0	0	0	0	1	3
P4HA2	1	0	0	1	0	0	0	0	0	1	3
HPS4	1	0	0	1	0	0	0	0	0	1	3
FAM125B	0	1	0	1	0	0	0	0	0	1	3
KLHL6	1	1	0	1	0	0	0	0	0	0	3
SLC25A21	1	1	0	1	0	0	0	0	0	0	3
HSPB3	1	1	0	1	0	0	0	0	0	0	3
KALRN	1	0	0	1	0	0	0	0	0	1	3
CCNG1	1	0	0	1	0	0	0	0	0	1	3
UBE2CBP	0	1	0	1	0	0	0	0	0	1	3
PHLDB2	1	0	0	1	0	0	0	0	0	1	3
PHLDB2	1	0	0	1	0	0	0	0	0	1	3
TAF1A	0	1	0	1	0	0	0	0	0	1	3
ZSWIM1	0	1	0	1	0	0	0	0	0	1	3
C5orf30	1	1	0	1	0	0	0	0	0	0	3
SPAG9	1	0	0	1	0	0	0	0	0	1	3
C12orf23	0	1	0	1	0	0	0	0	0	1	3
CCDC109A	1	1	0	1	0	0	0	0	0	0	3
COX19	0	1	0	1	0	0	0	0	0	1	3
CLDN10	1	0	0	1	0	0	0	0	0	1	3
FAM104B	1	1	0	1	0	0	0	0	0	0	3
ZNF598	1	1	0	1	0	0	0	0	0	0	3
ZNF697	0	1	0	1	0	0	0	0	0	1	3
USP14	1	0	0	1	0	0	0	0	0	1	3
CCDC149	0	1	0	1	0	0	0	0	0	1	3
CD1C	1	1	0	1	0	0	0	0	0	0	3
L3MBTL4	0	1	0	1	0	0	0	0	0	1	3
CD1E	1	0	0	1	0	0	0	0	0	1	3

CD1E	1	0	0	1	0	0	0	0	0	1	3
CD1E	1	0	0	1	0	0	0	0	0	1	3
CD1E	1	0	0	1	0	0	0	0	0	1	3
CDKN2AIPNL	0	1	0	1	0	0	0	0	0	1	3
CBFA2T2	1	0	0	1	0	0	0	0	0	1	3
ZNF502	1	1	0	1	0	0	0	0	0	0	3
EXO1	1	1	0	1	0	0	0	0	0	0	3
SLFN11	0	1	0	1	0	0	0	0	0	1	3
SLFN11	1	0	0	1	0	0	0	0	0	1	3
SLFN11	1	0	0	1	0	0	0	0	0	1	3
MYADM	1	0	0	1	0	0	0	0	0	1	3
MYADM	1	0	0	1	0	0	0	0	0	1	3
MYADM	1	0	0	1	0	0	0	0	0	1	3
NEK9	1	1	0	1	0	0	0	0	0	0	3
CABLES1	1	0	0	1	0	0	0	0	0	1	3
ARHGEF2	1	0	0	1	1	0	0	0	0	0	3
WDR20	0	0	0	1	1	1	0	0	0	0	3
WDR20	0	0	0	1	1	1	0	0	0	0	3
REPS2	1	0	0	1	0	0	0	0	0	1	3
TTC5	1	1	0	1	0	0	0	0	0	0	3
FAM58A	1	0	0	1	0	0	0	0	0	1	3
SNX29	1	1	0	1	0	0	0	0	0	0	3
LRRFIP1	1	0	0	1	0	0	0	0	0	1	3
NOLC1	1	1	0	1	0	0	0	0	0	0	3
MAGI1	0	0	0	1	1	0	0	0	0	1	3
PNMA1	0	1	0	1	0	0	0	0	0	1	3
RPS6KA5	1	1	0	1	0	0	0	0	0	0	3
STK17B	1	1	0	1	0	0	0	0	0	0	3
MED14	1	1	0	1	0	0	0	0	0	0	3
TRIP13	1	1	0	1	0	0	0	0	0	0	3
CER1	1	1	0	1	0	0	0	0	0	0	3
ANUBL1	0	1	0	1	0	0	0	0	0	1	3
MGC16169	1	0	0	1	0	0	0	0	0	1	3
CADPS2	1	0	0	1	0	0	0	0	0	1	3
LIPG	1	1	0	1	0	0	0	0	0	0	3
TGFBRAP1	1	0	0	1	0	0	0	0	0	1	3
ACVRL1	1	0	0	1	0	0	0	0	0	1	3
RECQL5	1	1	0	1	0	0	0	0	0	0	3
ARHGAP29	1	1	0	1	0	0	0	0	0	0	3
SYTL4	1	0	0	1	0	0	0	0	0	1	3
H2AFV	0	1	0	1	0	0	0	0	0	1	3

TP53INP1	1	1	0	1	0	0	0	0	0	0	3
NCR2	0	1	0	1	0	0	0	0	0	1	3
QKI	1	0	0	1	0	0	0	0	0	1	3
GGPS1	1	0	0	1	0	0	0	0	0	1	3
HOMER2	1	0	0	1	0	0	0	0	0	1	3
HOMER2	1	0	0	1	0	0	0	0	0	1	3
HOMER2	1	0	0	1	0	0	0	0	0	1	3
RASAL2	1	1	0	1	0	0	0	0	0	0	3
AKAP5	0	1	0	1	0	0	0	0	0	1	3
SLC4A8	1	0	0	1	0	0	0	0	0	1	3
GAL3ST1	1	1	0	1	0	0	0	0	0	0	3
SCAMP1	1	1	0	1	0	0	0	0	0	0	3
BAG5	1	0	0	1	0	0	0	0	0	1	3
BAG5	1	0	0	1	0	0	0	0	0	1	3
ENTPD1	0	1	0	1	0	0	0	0	0	1	3
EI24	1	1	0	1	0	0	0	0	0	0	3
EI24	1	1	0	1	0	0	0	0	0	0	3
PUNC	0	1	0	1	0	0	0	0	0	1	3
PREPL	1	1	0	1	0	0	0	0	0	0	3
CREB5	1	0	0	1	0	0	0	0	0	1	3
CREB5	1	0	0	1	0	0	0	0	0	1	3
CREB5	1	0	0	1	0	0	0	0	0	1	3
AKAP12	1	1	0	1	0	0	0	0	0	0	3
RNF14	1	0	0	1	0	0	0	0	0	1	3
RNF14	1	0	0	1	0	0	0	0	0	1	3
RNF7	1	1	0	1	0	0	0	0	0	0	3
RNF7	1	1	0	1	0	0	0	0	0	0	3
CD48	0	1	0	1	0	0	0	0	0	1	3
FNIP1	0	1	0	1	0	0	0	0	0	1	3
SOCS5	1	0	0	1	0	0	0	0	0	1	3
PDE4DIP	0	1	0	1	0	0	0	0	0	1	3
CD59	1	0	0	1	0	0	0	0	0	1	3
CD59	1	0	0	1	0	0	0	0	0	1	3
CD59	1	0	0	1	0	0	0	0	0	1	3
CD59	1	0	0	1	0	0	0	0	0	1	3
CD59	1	0	0	1	0	0	0	0	0	1	3
SDC3	1	1	0	1	0	0	0	0	0	0	3
SLC25A44	1	1	0	1	0	0	0	0	0	0	3
ULK2	0	1	0	1	0	0	0	0	0	1	3
PHACTR2	1	0	0	1	0	0	0	0	0	1	3
PHACTR2	1	0	0	1	0	0	0	0	0	1	3

PHACTR2	1	0	0	1	0	0	0	0	0	1	3
KIAA0513	1	1	0	1	0	0	0	0	0	0	3
ZFYVE16	1	0	0	1	0	0	0	0	0	1	3
RASSF2	1	0	0	1	0	0	0	0	0	1	3
BCLAF1	1	0	0	1	0	0	0	0	0	1	3
BCLAF1	1	0	0	1	0	0	0	0	0	1	3
KIAA0232	0	1	0	1	0	0	0	0	0	1	3
KIAA0232	1	0	0	1	0	0	0	0	0	1	3
MATR3	1	1	0	1	0	0	0	0	0	0	3
MRPL19	1	1	0	1	0	0	0	0	0	0	3
KIAA0427	1	0	0	1	0	0	0	0	0	1	3
GIT2	1	0	0	1	0	0	0	0	0	1	3
GIT2	1	0	0	1	0	0	0	0	0	1	3
CDC2	1	1	0	1	0	0	0	0	0	0	3
HEPH	1	1	0	1	0	0	0	0	0	0	3
GAB2	1	0	0	1	0	0	0	0	0	1	3
MFAP3L	1	0	0	1	0	0	0	0	0	1	3
TMEM24	1	1	0	1	0	0	0	0	0	0	3
OSBPL2	1	0	0	1	0	0	0	0	0	1	3
SMG7	1	0	0	1	0	0	0	0	0	1	3
SMG7	1	0	0	1	0	0	0	0	0	1	3
SUPT7L	1	1	0	1	0	0	0	0	0	0	3
SEC16A	1	1	0	1	0	0	0	0	0	0	3
ZBTB40	1	0	0	1	0	0	0	0	0	1	3
CDC25A	1	0	0	1	0	0	0	0	0	1	3
SLC23A2	1	0	0	1	0	0	0	0	0	1	3
DOPEY2	1	1	0	1	0	0	0	0	0	0	3
REC8	1	0	0	1	0	0	0	0	0	1	3
ROD1	1	0	0	1	0	0	0	0	0	1	3
ARPC1B	1	1	0	0	0	0	0	0	0	1	3
CTDSP2	1	1	0	0	0	0	0	0	0	1	3
SFRS14	1	1	0	0	0	0	0	0	0	1	3
MBNL2	1	0	0	0	1	0	0	0	0	1	3
ZNF197	1	1	0	0	0	0	0	0	0	1	3
USPL1	1	1	0	0	0	0	0	0	0	1	3
STAG1	1	1	0	0	0	0	0	0	0	1	3
CDX2	1	1	0	0	0	0	0	0	0	1	3
BAIAP2	1	0	0	0	1	0	0	0	0	1	3
CREB3	1	1	0	0	0	0	0	0	0	1	3
ARL6IP5	1	1	0	0	0	0	0	0	0	1	3
PDLIM5	1	1	0	0	0	0	0	0	0	1	3

TRIM3	1	1	0	0	0	0	0	0	0	1	3
CHL1	1	1	0	0	0	0	0	0	0	1	3
ZNF266	1	1	0	0	0	0	0	0	0	1	3
ADCY2	1	1	0	0	0	0	0	0	0	1	3
SEC24A	1	1	0	0	0	0	0	0	0	1	3
C7orf16	1	1	0	0	0	0	0	0	0	1	3
PDE10A	1	1	0	0	0	0	0	0	0	1	3
AP3M2	1	1	0	0	0	0	0	0	0	1	3
HNRNPA0	1	1	0	0	0	0	0	0	0	1	3
STMN2	1	1	0	0	0	0	0	0	0	1	3
DIDO1	1	1	0	0	0	0	0	0	0	1	3
ERLIN2	1	1	0	0	0	0	0	0	0	1	3
RASSF1	1	1	0	0	0	0	0	0	0	1	3
CHN1	1	1	0	0	1	0	0	0	0	0	3
CHN2	1	1	0	0	1	0	0	0	0	0	3
CASC4	1	1	0	0	0	0	0	0	0	1	3
SLC2A13	1	1	0	0	0	0	0	0	0	1	3
OSBPL1A	1	1	0	0	0	0	0	0	0	1	3
OSBPL6	1	1	0	0	0	0	0	0	0	1	3
SLC26A9	1	1	0	0	0	0	0	0	0	1	3
SLC26A7	1	1	0	0	0	0	0	0	0	1	3
IL22RA2	1	1	0	0	0	0	0	0	0	1	3
ZNF441	1	1	0	0	0	0	0	0	0	1	3
NLRP8	1	1	0	0	0	0	0	0	0	1	3
COL4A1	1	1	0	0	0	0	0	0	0	1	3
RNF183	1	1	0	0	0	0	0	0	0	1	3
ZFP28	1	1	0	0	0	0	0	0	0	1	3
CSNK1G3	1	1	0	0	0	0	0	0	0	1	3
ZNF563	1	1	0	0	0	0	0	0	0	1	3
ZNF558	1	1	0	0	0	0	0	0	0	1	3
RC3H1	1	1	0	0	0	0	0	0	0	1	3
ZSWIM2	1	1	0	0	0	0	0	0	0	1	3
C5orf41	1	1	0	0	0	0	0	0	0	1	3
ZXDB	1	1	0	0	0	0	0	0	0	1	3
CDC20B	1	1	0	0	0	0	0	0	0	1	3
C9orf71	1	1	0	0	0	0	0	0	0	1	3
SYNPO2	1	1	0	0	0	0	0	0	0	1	3
DLD	1	1	0	0	0	0	0	0	0	1	3
AGL	1	1	0	0	0	0	0	0	0	1	3
TRDMT1	1	1	0	0	0	0	0	0	0	1	3
EDG3	1	1	0	0	0	0	0	0	0	1	3

ACSF3	1	1	0	0	0	0	0	0	0	1	3
ZNF626	1	1	0	0	0	0	0	0	0	1	3
ZNF626	1	1	0	0	0	0	0	0	0	1	3
KIAA2018	1	1	0	0	0	0	0	0	0	1	3
SAMD9L	1	1	0	0	0	0	0	0	0	1	3
FBN1	1	1	0	0	0	0	0	0	0	1	3
FGF12	1	1	0	0	0	0	0	0	0	1	3
LMTK2	1	1	0	0	0	0	0	0	0	1	3
SLITRK3	1	1	0	0	1	0	0	0	0	0	3
ZNF510	1	1	0	0	0	0	0	0	0	1	3
SACM1L	1	1	0	0	0	0	0	0	0	1	3
GOLGA8A	1	1	0	0	0	0	0	0	0	1	3
USP33	1	0	0	0	1	0	0	0	0	1	3
ZNF292	1	1	0	0	0	0	0	0	0	1	3
WAPAL	1	1	0	0	0	0	0	0	0	1	3
SARM1	1	1	0	0	0	0	0	0	0	1	3
ZCCHC14	1	1	0	0	0	0	0	0	0	1	3
LARP5	1	1	0	0	0	0	0	0	0	1	3
OTUD3	1	1	0	0	0	0	0	0	0	1	3
BICD2	1	1	0	0	1	0	0	0	0	0	3
CRB1	1	1	0	0	0	0	0	0	0	1	3
AP4E1	1	1	0	0	0	0	0	0	0	1	3
SF3B1	1	1	0	0	1	0	0	0	0	0	3
RABGAP1	1	1	0	0	0	0	0	0	0	1	3
SLC7A11	1	1	0	0	0	0	0	0	0	1	3
FUCA1	1	1	0	0	0	0	0	0	0	1	3
SCML4	1	1	0	0	0	0	0	0	0	1	3
ARMC8	1	1	0	0	0	0	0	0	0	1	3
FBXL5	1	1	0	0	0	0	0	0	0	1	3
KLHL3	1	1	0	0	0	0	0	0	0	1	3
AP3M1	1	1	0	0	0	0	0	0	0	1	3
ZBTB11	1	1	0	0	0	0	0	0	0	1	3
AFF4	1	1	0	0	0	0	0	0	0	1	3
GOT2	1	1	0	0	0	0	0	0	0	1	3
ANGPT1	1	1	0	0	0	0	0	0	0	1	3
ZNF326	1	1	0	0	0	0	0	0	0	1	3
C3orf23	1	1	0	0	0	0	0	0	0	1	3
TPRG1	1	1	0	0	0	0	0	0	0	1	3
FRYL	1	1	0	0	0	0	0	0	0	1	3
TUSC5	1	1	0	0	0	0	0	0	0	1	3
MRPL13	1	1	0	0	0	0	0	0	0	1	3

GYS2	1	1	0	0	0	0	0	0	0	1	3
ERO1L	1	1	0	0	0	0	0	0	0	1	3
HMBS	1	1	0	0	0	0	0	0	0	1	3
HMGCS1	1	1	0	0	0	0	0	0	0	1	3
HSF2	1	1	0	0	0	0	0	0	0	1	3
LUZP2	1	1	0	0	0	0	0	0	0	1	3
FREM2	1	1	0	0	0	0	0	0	0	1	3
IGFBP4	1	1	0	0	0	0	0	0	0	1	3
IL2RB	1	1	0	0	0	0	0	0	0	1	3
ITGA2	1	1	0	0	0	0	0	0	0	1	3
KCNC2	1	1	0	0	0	0	0	0	0	1	3
KCNS2	1	1	0	0	0	0	0	0	0	1	3
hCG_1985469	1	1	0	0	0	0	0	0	0	1	3
LY75	1	1	0	0	0	0	0	0	0	1	3
SMAD3	1	1	0	0	0	0	0	0	0	1	3
MECP2	1	1	0	0	0	0	0	0	0	1	3
MET	1	1	0	0	0	0	0	0	0	1	3
MTR	1	1	0	0	0	0	0	0	0	1	3
NEFH	1	1	0	0	0	0	0	0	0	1	3
NFIB	1	1	0	0	0	0	0	0	0	1	3
NRCAM	1	1	0	0	0	0	0	0	0	1	3
ATP2B3	1	1	0	0	0	0	0	0	0	1	3
F11R	1	1	0	0	0	0	0	0	0	1	3
TRAT1	1	1	0	0	0	0	0	0	0	1	3
CDON	1	1	0	0	0	0	0	0	0	1	3
GOLGA7	1	1	0	0	0	0	0	0	0	1	3
KCTD3	1	1	0	0	0	0	0	0	0	1	3
CCDC41	1	1	0	0	0	0	0	0	0	1	3
NIN	1	1	0	0	0	0	0	0	0	1	3
HEMK1	1	1	0	0	0	0	0	0	0	1	3
PHKA1	1	1	0	0	0	0	0	0	0	1	3
PIGA	1	1	0	0	0	0	0	0	0	1	3
PML	1	1	0	0	0	0	0	0	0	1	3
C21orf91	1	1	0	0	0	0	0	0	0	1	3
C21orf91	1	1	0	0	0	0	0	0	0	1	3
DDIT4	1	1	0	0	0	0	0	0	0	1	3
NDFIP2	1	1	0	0	0	0	0	0	0	1	3
TET2	1	1	0	0	0	0	0	0	0	1	3
ZNF562	1	1	0	0	0	0	0	0	0	1	3
FBXO34	1	1	0	0	0	0	0	0	0	1	3
MAGOHB	1	1	0	0	0	0	0	0	0	1	3

LGI2	1	1	0	0	0	0	0	0	0	1	3
DNAJA4	1	1	0	0	0	0	0	0	0	1	3
PRCP	1	1	0	0	0	0	0	0	0	1	3
ETNK1	1	1	0	0	0	0	0	0	0	1	3
ETNK1	1	1	0	0	0	0	0	0	0	1	3
SRGN	1	1	0	0	0	0	0	0	0	1	3
FAM46A	1	1	0	0	0	0	0	0	0	1	3
DDEFL1	1	1	0	0	0	0	0	0	0	1	3
KIAA1333	1	1	0	0	0	0	0	0	0	1	3
MBNL3	1	1	0	0	0	0	0	0	0	1	3
MBNL3	1	1	0	0	0	0	0	0	0	1	3
FAM54B	1	1	0	0	0	0	0	0	0	1	3
KIAA1217	1	1	0	0	0	0	0	0	0	1	3
CCBL2	1	1	0	0	1	0	0	0	0	0	3
ZC3HAV1	1	1	0	0	0	0	0	0	0	1	3
CASC5	1	1	0	0	0	0	0	0	0	1	3
LYRM1	1	1	0	0	0	0	0	0	0	1	3
PHTF2	1	1	0	0	0	0	0	0	0	1	3
NPAL3	1	1	0	0	0	0	0	0	0	1	3
GPR126	1	1	0	0	0	0	0	0	0	1	3
PTGER3	1	1	0	0	0	0	0	0	0	1	3
HEG1	1	1	0	0	0	0	0	0	0	1	3
SERINC1	1	1	0	0	0	0	0	0	0	1	3
ALPK3	1	1	0	0	0	0	0	0	0	1	3
SIPA1L2	1	1	0	0	0	0	0	0	0	1	3
PTBP2	1	1	0	0	0	0	0	0	0	1	3
PEX19	1	1	0	0	0	0	0	0	0	1	3
QDPR	1	1	0	0	0	0	0	0	0	1	3
BCHE	1	1	0	0	0	0	0	0	0	1	3
RFC3	1	1	0	0	0	0	0	0	0	1	3
AASDHPPT	1	1	0	0	0	0	0	0	0	1	3
MRPL12	1	1	0	0	0	0	0	0	0	1	3
SORT1	1	1	0	0	0	0	0	0	0	1	3
ELTD1	1	1	0	0	0	0	0	0	0	1	3
SFRS7	1	1	0	0	0	0	0	0	0	1	3
SGCB	1	1	0	0	0	0	0	0	0	1	3
CCDC14	1	1	0	0	0	0	0	0	0	1	3
DDX31	1	1	0	0	0	0	0	0	0	1	3
RFXDC2	1	1	0	0	0	0	0	0	0	1	3
NDRG4	1	1	0	0	0	0	0	0	0	1	3
GPBP1	1	0	0	0	1	0	0	0	0	1	3

RAPH1	1	1	0	0	0	0	0	0	0	1	3
WNK1	1	1	0	0	0	0	0	0	0	1	3
LEFTY2	1	1	0	0	0	0	0	0	0	1	3
THBS4	1	1	0	0	0	0	0	0	0	1	3
TTF1	1	1	0	0	0	0	0	0	0	1	3
USH2A	1	1	0	0	0	0	0	0	0	1	3
WHSC2	1	1	0	0	0	0	0	0	0	1	3
ZNF37A	1	1	0	0	0	0	0	0	0	1	3
ZNF74	1	1	0	0	0	0	0	0	0	1	3
ZNF136	1	1	0	0	0	0	0	0	0	1	3
ZNF140	1	1	0	0	0	0	0	0	0	1	3
ZNF200	1	1	0	0	0	0	0	0	0	1	3
CACNB2	1	0	0	0	1	0	0	0	0	1	3
CACNB4	1	1	0	0	0	0	0	0	0	1	3
ZNF655	1	1	0	0	0	0	0	0	0	1	3
ZNF655	1	0	0	0	1	0	0	0	0	1	3
DEK	1	1	0	0	0	0	0	0	0	1	3
NARG1L	1	1	0	0	0	0	0	0	0	1	3
MCPH1	1	1	0	0	0	0	0	0	0	1	3
C15orf29	1	1	0	0	0	0	0	0	0	1	3
GSTCD	1	1	0	0	0	0	0	0	0	1	3
PGAP1	1	1	0	0	0	0	0	0	0	1	3
ZNF606	1	1	0	0	0	0	0	0	0	1	3
ASRGL1	1	1	0	0	0	0	0	0	0	1	3
CUL5	1	1	0	0	0	0	0	0	0	1	3
TMEM22	1	1	0	0	0	0	0	0	0	1	3
SLC38A1	1	1	0	0	0	0	0	0	0	1	3
CAMK2D	1	1	0	0	0	0	0	0	0	1	3
B3GNT5	1	1	0	0	0	0	0	0	0	1	3
KBTBD7	1	1	0	0	0	0	0	0	0	1	3
ZIC4	1	1	0	0	0	0	0	0	0	1	3
EEA1	1	1	0	0	0	0	0	0	0	1	3
ZNF559	1	1	0	0	0	0	0	0	0	1	3
SLITRK2	1	0	0	0	1	0	0	0	0	1	3
CCDC62	1	1	0	0	0	0	0	0	0	1	3
BEX2	1	1	0	0	0	0	0	0	0	1	3
PSRC1	1	1	0	0	0	0	0	0	0	1	3
RGS5	1	1	0	0	0	0	0	0	0	1	3
SLC43A1	1	1	0	0	0	0	0	0	0	1	3
LL22NC03-75B3.6	1	1	0	0	0	0	0	0	0	1	3

CNTNAP4	1	1	0	0	0	0	0	0	0	1	3
DIXDC1	1	1	0	0	0	0	0	0	0	1	3
MADD	1	1	0	0	0	0	0	0	0	1	3
TNFSF11	1	0	0	0	1	0	0	0	0	1	3
RUNX1	1	1	0	0	0	0	0	0	0	1	3
STC2	1	1	0	0	0	0	0	0	0	1	3
B4GALT4	1	1	0	0	0	0	0	0	0	1	3
CRADD	1	1	0	0	0	0	0	0	0	1	3
ACTN2	1	1	0	0	0	0	0	0	0	1	3
IL18R1	1	1	0	0	0	0	0	0	0	1	3
SYNJ1	1	1	0	0	0	0	0	0	0	1	3
VNN2	1	1	0	0	0	0	0	0	0	1	3
KRIT1	1	1	0	0	0	0	0	0	0	1	3
CCNB1	1	1	0	0	0	0	0	0	0	1	3
TMEM116	1	1	0	0	0	0	0	0	0	1	3
ZNF468	1	1	0	0	0	0	0	0	0	1	3
TMSB4Y	1	1	0	0	0	0	0	0	0	1	3
MTMR7	1	1	0	0	0	0	0	0	0	1	3
CBFA2T2	1	1	0	0	0	0	0	0	0	1	3
DGKI	1	1	0	0	0	0	0	0	0	1	3
REPS2	1	1	0	0	0	0	0	0	0	1	3
SLC24A1	1	1	0	0	0	0	0	0	0	1	3
DSEL	1	1	0	0	0	0	0	0	0	1	3
LRAT	1	1	0	0	0	0	0	0	0	1	3
NRXN3	1	0	0	0	1	0	0	0	0	1	3
ZRANB2	1	1	0	0	0	0	0	0	0	1	3
C21orf66	1	1	0	0	0	0	0	0	0	1	3
QKI	1	1	0	0	0	0	0	0	0	1	3
HOMER2	1	1	0	0	0	0	0	0	0	1	3
SLC25A27	1	1	0	0	0	0	0	0	0	1	3
PMPCB	1	1	0	0	0	0	0	0	0	1	3
ZNF592	1	1	0	0	0	0	0	0	0	1	3
FAM53B	1	1	0	0	0	0	0	0	0	1	3
UBE3C	1	1	0	0	0	0	0	0	0	1	3
PUM1	1	1	0	0	0	0	0	0	0	1	3
KIAA0152	1	1	0	0	0	0	0	0	0	1	3
GIT2	1	1	0	0	0	0	0	0	0	1	3
DNAJC6	1	1	0	0	0	0	0	0	0	1	3
KCNE2	1	1	0	0	0	0	0	0	0	1	3
FAM44A	0	1	0	0	1	0	0	0	0	1	3
JARID1A	0	1	0	0	1	0	0	0	0	1	3

ABI1	1	0	0	1	0	0	0	0	0	1	3
ABI1	1	0	0	1	0	0	0	0	0	1	3
PDCD6	0	1	0	1	0	0	1	0	0	0	3
HMG2L1	0	0	0	1	0	0	1	0	0	1	3
SMC4	1	1	0	1	0	0	0	0	0	0	3
ACTR2	1	0	0	1	0	0	0	0	0	1	3
AKAP9	0	0	0	1	0	0	1	0	1	0	3
FAM13A1	1	0	0	1	0	0	0	0	0	1	3
G3BP1	1	1	0	1	0	0	0	0	0	0	3
GPR64	1	0	0	1	0	0	0	0	0	1	3
GPR64	1	0	0	1	0	0	0	0	0	1	3
AASS	0	1	0	1	0	0	0	0	0	1	3
DHRS9	1	0	0	1	0	0	0	0	0	1	3
ODZ1	1	0	0	1	0	0	1	0	0	0	3
TRIM13	1	1	0	1	0	0	0	0	0	0	3
KCNMB2	1	0	0	1	0	0	0	0	0	1	3
EFS	1	0	0	1	0	0	0	0	0	1	3
ADAR	1	0	0	1	0	0	0	0	0	1	3
ADAR	1	0	0	1	0	0	0	0	0	1	3
ADAR	1	0	0	1	0	0	0	0	0	1	3
B3GALT5	0	1	0	1	0	0	0	0	0	1	3
B3GALT5	1	0	0	1	0	0	0	0	0	1	3
B3GALT5	0	0	0	1	0	0	1	0	0	1	3
CDKN3	1	0	0	1	0	0	0	0	0	1	3
DLC1	1	0	0	1	0	0	0	0	0	1	3
ATP8A1	1	0	0	1	0	0	0	0	0	1	3
CAP1	1	1	0	1	0	0	0	0	0	0	3
CAP1	1	0	0	1	0	0	1	0	0	0	3
ENOX2	1	0	0	1	0	0	0	0	0	1	3
NEBL	1	0	0	1	0	0	0	0	0	1	3
PDLIM5	1	0	0	1	0	0	0	0	0	1	3
ERLIN1	1	1	0	1	0	0	0	0	0	0	3
ERLIN1	1	0	0	1	0	0	1	0	0	0	3
RAD51AP1	1	1	0	1	0	0	0	0	0	0	3
IGF2BP2	1	0	0	1	0	0	0	0	0	1	3
MTX2	0	0	0	1	0	0	1	0	0	1	3
CUGBP2	1	0	0	1	0	0	0	0	0	1	3
CUGBP2	1	0	0	1	0	0	0	0	0	1	3
NFAT5	1	0	0	1	0	0	0	0	0	1	3
CFL2	1	0	0	1	0	0	0	0	0	1	3
KLRA1	0	0	0	1	0	0	1	0	0	1	3

CTSC	0	1	0	1	0	0	0	0	0	1	3
NUP50	1	0	0	1	0	0	0	0	0	1	3
WDR4	1	0	0	1	0	0	1	0	0	0	3
GJB6	1	0	0	1	0	0	0	0	0	1	3
GJB6	1	0	0	1	0	0	0	0	0	1	3
NPFFR2	1	0	0	1	0	0	0	0	0	1	3
MALT1	1	0	0	1	0	0	0	0	0	1	3
TCERG1	1	0	0	1	0	0	0	0	0	1	3
SUB1	1	1	0	1	0	0	0	0	0	0	3
SFRS2B	0	1	0	1	0	0	1	0	0	0	3
PRDX3	1	0	0	1	0	0	0	0	0	1	3
IFI44L	0	1	0	1	0	0	0	0	0	1	3
TLK2	1	0	0	1	0	0	0	0	0	1	3
RAPGEF4	1	0	0	1	0	0	0	0	0	1	3
DIDO1	1	0	0	1	0	0	0	0	0	1	3
DIDO1	1	0	0	1	0	0	0	0	0	1	3
PTPRT	1	0	0	1	0	0	0	0	0	1	3
ZWINT	1	1	0	1	0	0	0	0	0	0	3
PSIP1	1	0	0	1	0	0	0	0	0	1	3
INMT	0	1	0	1	0	0	1	0	0	0	3
RASSF1	1	0	0	1	0	0	0	0	0	1	3
RASSF1	1	0	0	1	0	0	0	0	0	1	3
RASSF1	1	0	0	1	0	0	0	0	0	1	3
CHKA	1	0	0	1	0	0	0	0	0	1	3
CHKB	0	0	0	1	0	0	1	0	0	1	3
HPS5	1	0	0	1	0	0	0	0	0	1	3
HPS5	1	0	0	1	0	0	0	0	0	1	3
RNF24	0	1	0	1	0	0	0	0	0	1	3
LARP4	1	0	0	1	0	0	0	0	0	1	3
PALM2	0	1	0	1	0	0	0	0	0	1	3
SLC25A25	1	0	0	1	0	0	0	0	0	1	3
SLC25A25	1	0	0	1	0	0	0	0	0	1	3
PWWP2A	0	0	0	1	0	0	1	0	0	1	3
FHAD1	0	1	1	1	0	0	0	0	0	0	3
OSBPL1A	1	0	0	1	0	0	0	0	0	1	3
CIDEA	0	1	0	1	0	0	1	0	0	0	3
CISH	1	0	0	1	0	0	0	0	0	1	3
FAM122A	0	1	0	1	0	0	1	0	0	0	3
IL22RA2	1	0	0	1	0	0	0	0	0	1	3
RAB3IP	1	0	0	1	0	0	0	0	0	1	3
RAB3IP	1	0	0	1	0	0	0	0	0	1	3

ADD1	1	0	0	1	0	0	0	0	0	1	3
ADD1	1	0	0	1	0	0	0	0	0	1	3
CLCN5	1	0	0	1	0	0	0	0	0	1	3
CLCN5	1	0	0	1	0	0	0	0	0	1	3
ZFYVE27	1	0	0	1	0	0	0	0	0	1	3
BTBD11	1	0	0	1	0	0	0	0	0	1	3
TRAPPC6B	1	0	0	1	0	0	0	0	0	1	3
SLC24A4	1	0	0	1	0	0	0	0	0	1	3
SLC24A4	1	0	0	1	0	0	0	0	0	1	3
CCR3	0	0	0	1	0	0	1	0	0	1	3
CCR6	1	1	0	1	0	0	0	0	0	0	3
CCR6	1	0	0	1	0	0	1	0	0	0	3
CNGB1	1	1	0	1	0	0	0	0	0	0	3
CNR1	1	0	0	1	0	0	0	0	0	1	3
COL6A3	1	0	0	1	0	0	0	0	0	1	3
COL6A3	1	0	0	1	0	0	0	0	0	1	3
COL6A3	1	0	0	1	0	0	0	0	0	1	3
COL6A3	1	0	0	1	0	0	0	0	0	1	3
ACVR1C	1	0	0	1	0	0	0	0	0	1	3
ACVR1C	1	0	0	1	0	0	0	0	0	1	3
ACVR1C	1	0	0	1	0	0	0	0	0	1	3
FLJ44379	0	1	0	1	0	0	1	0	0	0	3
PABPC4L	0	1	0	1	0	0	0	0	0	1	3
JMY	1	1	0	1	0	0	0	0	0	0	3
SRrp35	0	1	0	1	0	0	1	0	0	0	3
COX15	0	1	0	1	0	0	1	0	0	0	3
CPT1B	0	0	0	1	0	0	1	0	0	1	3
CREBBP	1	0	0	1	0	0	0	0	0	1	3
CREM	1	1	0	1	0	0	0	0	0	0	3
CREM	1	0	0	1	0	0	1	0	0	0	3
SIRPA	1	0	0	1	0	0	1	0	0	0	3
SIRPA	1	1	0	1	0	0	0	0	0	0	3
B3GALTL	0	1	0	1	0	0	1	0	0	0	3
ABHD12B	1	1	0	1	0	0	0	0	0	0	3
VCAN	0	1	1	1	0	0	0	0	0	0	3
GSG1L	1	0	0	1	0	0	0	0	0	1	3
CCDC17	0	1	0	1	0	0	0	0	0	1	3
CTNND1	1	0	0	1	0	0	0	0	0	1	3
CTNND1	1	0	0	1	0	0	0	0	0	1	3
CTNND1	1	0	0	1	0	0	0	0	0	1	3
CTNND1	1	0	0	1	0	0	0	0	0	1	3

CTNND1	1	0	0	1	0	0	0	0	0	1	3
CTNND1	1	0	0	1	0	0	0	0	0	1	3
CTNND1	1	0	0	1	0	0	0	0	0	1	3
NFAM1	0	1	0	1	0	0	1	0	0	0	3
TTC30B	0	1	0	1	0	0	1	0	0	0	3
FAM119A	0	1	0	1	0	0	0	0	0	1	3
RNF38	1	0	0	1	0	0	0	0	0	1	3
RNF38	1	0	0	1	0	0	0	0	0	1	3
CNTN4	0	0	0	1	1	0	0	0	0	1	3
CCDC112	1	1	0	1	0	0	0	0	0	0	3
CYLD	1	0	0	1	0	0	0	0	0	1	3
CYP11B1	1	0	0	1	0	0	0	0	0	1	3
CYP26A1	0	1	0	1	0	0	0	0	0	1	3
DCN	1	0	0	1	0	0	0	0	0	1	3
DCN	1	0	0	1	0	0	0	0	0	1	3
PAP2D	1	0	0	1	0	0	0	0	0	1	3
DCX	1	0	0	1	0	0	0	0	0	1	3
DCX	1	0	0	1	0	0	0	0	0	1	3
AES	1	0	0	1	0	0	0	0	0	1	3
RASSF6	1	0	0	1	0	0	0	0	0	1	3
GLIS3	1	0	0	1	0	0	0	0	0	1	3
COMMD6	1	0	0	1	0	0	0	0	0	1	3
KCNG3	1	0	0	1	0	0	0	0	0	1	3
DIAPH1	1	0	0	1	0	0	0	0	0	1	3
DLX1	1	1	0	1	0	0	0	0	0	0	3
AGL	1	0	0	1	0	0	0	0	0	1	3
AGL	1	0	0	1	0	0	0	0	0	1	3
AGL	1	0	0	1	0	0	0	0	0	1	3
AGL	1	0	0	1	0	0	0	0	0	1	3
DPP6	0	0	0	1	0	0	1	0	0	1	3
DPP6	1	0	0	1	0	0	0	0	0	1	3
DPP6	0	1	0	1	0	0	0	0	0	1	3
DTNA	0	1	0	1	0	0	0	0	0	1	3
DTNA	1	0	0	1	0	0	0	0	0	1	3
DTNA	0	0	0	1	1	0	0	0	0	1	3
DTNA	1	0	0	1	0	0	0	0	0	1	3
DTNA	0	0	0	1	1	0	0	0	0	1	3
AGTR1	1	0	0	1	0	0	0	0	0	1	3
AGTR1	0	1	0	1	0	0	0	0	0	1	3
AGTR1	1	0	0	1	0	0	0	0	0	1	3
E2F5	1	0	0	1	0	0	0	0	0	1	3

EDNRB	1	1	0	1	0	0	0	0	0	0	3
EDNRB	1	0	0	1	0	0	0	1	0	0	3
ELAVL3	1	0	0	1	0	0	0	0	0	1	3
ELAVL4	1	1	0	1	0	0	0	0	0	0	3
FAM76A	1	0	0	1	0	0	1	0	0	0	3
KRTCAP2	0	1	0	1	0	0	0	0	0	1	3
SLC39A11	1	0	0	1	0	0	1	0	0	0	3
ENSA	0	1	0	1	0	0	0	0	0	1	3
EPB41	1	0	0	1	0	0	0	0	0	1	3
HIPK1	1	0	0	1	0	0	0	0	0	1	3
HIPK1	1	0	0	1	0	0	0	0	0	1	3
SLC44A5	1	1	0	1	0	0	0	0	0	0	3
C3orf58	1	0	0	1	0	0	0	0	0	1	3
ERBB4	1	0	0	1	0	0	0	0	0	1	3
ESR1	1	0	0	1	0	0	0	0	0	1	3
ESRRG	1	1	0	1	0	0	0	0	0	0	3
ESRRG	1	0	0	1	0	0	1	0	0	0	3
FANCF	0	1	0	1	0	0	1	0	0	0	3
TYSND1	1	1	0	1	0	0	0	0	0	0	3
GPR116	1	0	0	1	0	0	0	0	0	1	3
C10orf30	0	1	0	1	0	0	1	0	0	0	3
FGF1	0	1	0	1	0	0	0	0	0	1	3
FGF12	1	0	0	1	0	0	0	0	0	1	3
FGFR1	1	0	0	1	0	0	0	0	0	1	3
FGFR1	1	0	0	1	0	0	0	0	0	1	3
FGFR1	1	0	0	1	0	0	0	0	0	1	3
TFEC	1	0	0	1	0	0	0	0	0	1	3
ICK	1	1	0	1	0	0	0	0	0	0	3
ICK	1	0	0	1	0	0	1	0	0	0	3
DIS3	1	0	0	1	0	0	0	0	0	1	3
EPN2	1	0	0	1	0	0	0	0	0	1	3
EPN2	1	0	0	1	0	0	0	0	0	1	3
NCBP2	1	0	0	1	0	0	0	0	0	1	3
FBXO21	1	0	0	1	0	0	0	0	0	1	3
TMCC1	1	0	0	1	0	0	0	0	0	1	3
NMNAT2	1	0	0	1	0	0	0	0	0	1	3
PEG10	0	0	0	1	0	0	1	0	0	1	3
PEG10	0	1	0	1	0	0	0	0	0	1	3
KIF1B	1	1	0	1	0	0	0	0	0	0	3
TNRC6B	1	0	0	1	0	0	0	0	0	1	3
CLCC1	1	0	0	1	0	0	0	0	0	1	3

SNX13	1	1	0	1	0	0	0	0	0	0	3
SEPT7	1	0	0	1	0	0	0	0	0	1	3
SEPT7	1	0	0	1	0	0	0	0	0	1	3
ATG4B	1	1	0	1	0	0	0	0	0	0	3
ATG4B	1	1	0	1	0	0	0	0	0	0	3
PSME4	0	1	0	1	0	0	0	0	0	1	3
FBXO28	0	1	0	1	0	0	1	0	0	0	3
VPS13A	1	0	0	1	0	0	0	0	0	1	3
PACS2	1	0	0	1	0	0	0	0	0	1	3
ANKRD12	1	0	0	1	0	0	0	0	0	1	3
TMEM194	1	0	0	1	0	0	0	0	0	1	3
WDR7	1	0	0	1	0	0	0	0	0	1	3
FREQ	1	0	0	1	0	0	0	0	0	1	3
SLC39A14	1	0	0	1	0	0	0	0	0	1	3
SLC39A14	1	0	0	1	0	0	0	0	0	1	3
NNT	0	0	0	1	0	0	1	0	0	1	3
NNT	0	1	0	1	0	0	0	0	0	1	3
ZMYND8	1	0	0	1	1	0	0	0	0	0	3
ZMYND8	1	0	0	1	1	0	0	0	0	0	3
SGK3	1	0	0	1	0	0	0	0	0	1	3
SGK3	1	0	0	1	0	0	0	0	0	1	3
VGLL2	1	0	0	1	0	0	0	0	0	1	3
CENPI	0	1	0	1	0	0	0	0	0	1	3
C22orf30	1	1	0	1	0	0	0	0	0	0	3
FYB	1	0	0	1	0	0	0	0	0	1	3
GABRA1	1	0	0	1	0	0	0	0	0	1	3
GABRA1	1	0	0	1	0	0	0	0	0	1	3
GABRA1	1	0	0	1	0	0	0	0	0	1	3
GABRA1	1	0	0	1	0	0	0	0	0	1	3
GABRB2	1	0	0	1	0	0	0	0	0	1	3
GABRG2	1	0	0	1	0	0	0	0	0	1	3
GAD2	1	1	0	1	0	0	0	0	0	0	3
KLK5	1	1	0	1	0	0	0	0	0	0	3
KLK5	1	0	0	1	0	0	1	0	0	0	3
GALK2	1	0	0	1	0	0	1	0	0	0	3
ARMC8	1	0	0	1	0	0	0	0	0	1	3
ARMC8	1	0	0	1	0	0	0	0	0	1	3
RNF19A	0	1	0	1	0	0	0	0	0	1	3
RCHY1	1	1	0	1	0	0	0	0	0	0	3
IFFO	1	0	0	1	0	0	0	0	0	1	3
C1orf43	1	0	0	1	0	0	0	0	0	1	3

C1orf43	1	0	0	1	0	0	0	0	0	1	3
THUMPD3	1	0	0	1	0	0	0	0	0	1	3
GANC	0	1	0	1	0	0	0	0	0	1	3
SFRS18	0	1	0	1	0	0	0	0	0	1	3
SFRS18	0	0	0	1	0	0	1	0	0	1	3
C2CD2	1	0	0	1	0	0	0	0	0	1	3
LOC26010	0	0	0	1	0	0	1	0	0	1	3
LOC26010	0	1	0	1	0	0	0	0	0	1	3
PIP3-E	1	0	0	1	0	0	0	0	0	1	3
PIP3-E	1	0	0	1	0	0	0	0	0	1	3
GIGYF2	0	0	0	1	0	0	1	0	0	1	3
SGEF	0	1	0	1	0	0	1	0	0	0	3
WDR21A	1	0	0	1	0	0	0	0	0	1	3
TTLL3	0	0	0	1	0	0	1	0	0	1	3
LRRC32	1	0	0	1	0	0	0	0	0	1	3
RGS22	0	1	0	1	0	0	0	0	0	1	3
ARL5A	1	0	0	1	0	0	0	0	0	1	3
FBXL5	0	0	0	1	0	0	1	0	0	1	3
FBXO24	1	0	0	1	0	0	1	0	0	0	3
CNNM3	1	0	0	1	0	0	0	0	0	1	3
GCNT2	1	0	0	1	0	0	0	0	0	1	3
CKAP2	1	0	0	1	0	0	0	0	0	1	3
ABL2	0	1	0	1	0	0	0	0	0	1	3
ABL2	0	0	0	1	0	0	1	0	0	1	3
VPS41	1	0	0	1	0	0	0	0	0	1	3
GK	1	0	0	1	0	0	0	0	0	1	3
CACYBP	1	0	0	1	0	0	0	0	0	1	3
ARFIP1	1	0	0	1	0	0	0	0	0	1	3
BBS9	1	0	0	1	0	0	0	0	0	1	3
BBS9	1	0	0	1	0	0	0	0	0	1	3
PCDH11X	1	0	0	1	0	0	0	0	0	1	3
CECR2	0	0	0	1	0	0	1	0	0	1	3
PCLO	0	1	0	1	0	0	0	0	0	1	3
GPM6A	1	0	0	1	0	0	0	0	0	1	3
C14orf178	0	1	0	1	0	0	0	0	0	1	3
ANGPT2	1	0	0	1	0	0	0	0	0	1	3
ANGPT2	1	0	0	1	0	0	0	0	0	1	3
ZNF621	1	1	0	1	0	0	0	0	0	0	3
ZNF621	1	0	0	1	0	0	1	0	0	0	3
C3orf23	1	0	0	1	0	0	0	0	0	1	3
RNF212	1	1	0	1	0	0	0	0	0	0	3

RNF212	1	1	0	1	0	0	0	0	0	0	3
ANK1	1	0	0	1	0	0	0	0	0	1	3
ANK1	1	0	0	1	0	0	0	0	0	1	3
ANK1	1	0	0	1	0	0	0	0	0	1	3
ANK1	1	0	0	1	0	0	0	0	0	1	3
MGC39900	0	1	0	1	0	0	0	0	0	1	3
GRB10	1	0	0	1	0	0	0	0	0	1	3
GRB10	1	0	0	1	0	0	0	0	0	1	3
GRIA2	1	0	0	1	0	0	0	0	0	1	3
GRIA2	1	0	0	1	0	0	0	0	0	1	3
IFT81	0	0	1	1	0	0	1	0	0	0	3
GRIK3	0	1	0	1	0	0	0	0	0	1	3
HIPK2	0	1	0	1	0	0	0	0	0	1	3
GRIN2A	1	1	0	1	0	0	0	0	0	0	3
NR3C1	1	0	0	1	0	0	0	0	0	1	3
NR3C1	1	0	0	1	0	0	0	0	0	1	3
NR3C1	1	0	0	1	0	0	0	0	0	1	3
RNASEN	1	0	0	1	0	0	0	0	0	1	3
TAGLN3	1	1	0	1	0	0	0	0	0	0	3
TAGLN3	1	0	0	1	0	0	1	0	0	0	3
RACGAP1	1	0	0	1	0	0	0	0	1	0	3
RACGAP1	1	1	0	1	0	0	0	0	0	0	3
GRHL1	1	1	0	1	0	0	0	0	0	0	3
SLC25A24	1	0	0	1	0	0	0	0	0	1	3
SH3KBP1	1	1	0	1	0	0	0	0	0	0	3
HBD	0	1	0	1	0	0	1	0	0	0	3
EMR2	1	0	0	1	0	0	0	0	0	1	3
EMR2	1	0	0	1	0	0	0	0	0	1	3
EMR2	1	0	0	1	0	0	0	0	0	1	3
ANXA11	1	0	0	1	0	0	0	0	0	1	3
HMBS	1	0	0	1	0	0	0	0	0	1	3
HMGB2	1	0	0	1	0	0	0	0	0	1	3
EIF4E3	1	1	0	1	0	0	0	0	0	0	3
HNRNPC	1	0	0	1	0	0	0	0	0	1	3
HNRNPC	0	0	0	1	0	0	1	0	0	1	3
APBA1	0	1	0	1	0	0	1	0	0	0	3
HOXA3	1	0	0	1	0	0	0	0	0	1	3
HOXA3	0	1	0	1	0	0	0	0	0	1	3
HRH1	1	0	0	1	0	0	0	0	0	1	3
HRH1	1	0	0	1	0	0	0	0	0	1	3
PRMT2	0	1	0	1	0	0	0	0	0	1	3

PRMT2	0	0	0	1	0	0	1	0	0	1	3
HSD11B1	1	0	0	1	0	0	0	0	0	1	3
BIRC5	1	0	0	1	0	0	0	0	0	1	3
CHSY3	0	1	0	1	0	0	1	0	0	0	3
7A5	0	1	0	1	0	0	0	0	0	1	3
IGF1	1	0	0	1	0	0	0	0	0	1	3
IGFBP3	1	1	0	1	0	0	0	0	0	0	3
IGFBP3	1	0	0	1	0	0	1	0	0	0	3
IGLL1	1	1	0	1	0	0	0	0	0	0	3
FAS	1	0	0	1	0	0	0	0	0	1	3
FAS	0	1	0	1	0	0	0	0	0	1	3
IL6ST	1	1	0	1	0	0	0	0	0	0	3
IL16	1	0	0	1	0	0	0	0	0	1	3
INCENP	1	0	0	1	0	0	0	0	0	1	3
ING1	1	1	0	1	0	0	0	0	0	0	3
INSR	1	0	0	1	0	0	0	0	0	1	3
IRF5	1	0	0	1	0	0	0	0	0	1	3
IRF5	1	0	0	1	0	0	0	0	0	1	3
IRF5	0	1	0	1	0	0	0	0	0	1	3
IRF5	1	0	0	1	0	0	0	0	0	1	3
IRS1	0	1	0	1	0	0	1	0	0	0	3
IVD	0	1	0	1	0	0	0	0	0	1	3
KCNA3	0	1	0	1	0	0	1	0	0	0	3
KCNA6	0	1	0	1	0	0	1	0	0	0	3
KCNC2	1	0	0	1	0	0	0	0	0	1	3
PTAR1	0	1	0	1	0	0	1	0	0	0	3
KCNJ1	1	0	0	1	0	0	0	0	0	1	3
KCNJ1	1	0	0	1	0	0	0	0	0	1	3
KCNJ1	1	0	0	1	0	0	0	0	0	1	3
KCNMA1	1	0	0	1	0	0	0	0	0	1	3
KIR2DL1	0	0	0	1	0	0	1	0	0	1	3
CC2D2B	1	0	0	1	0	0	1	0	0	0	3
NHLRC3	1	0	0	1	0	0	0	0	0	1	3
LOC388503	0	0	0	1	0	0	1	0	0	1	3
LAMP2	0	1	1	1	0	0	0	0	0	0	3
ARHGAP5	1	0	0	1	0	0	0	0	0	1	3
ARHGAP6	1	1	0	1	0	0	0	0	0	0	3
LIG4	1	0	0	1	0	0	0	0	0	1	3
LIG4	0	1	0	1	0	0	0	0	0	1	3
ABLIM1	1	0	0	1	0	0	0	0	0	1	3
ABLIM1	1	0	0	1	0	0	0	0	0	1	3

LIMK2	1	1	0	1	0	0	0	0	0	0	3
LIMK2	1	0	0	1	0	0	1	0	0	0	3
FAM102A	1	0	0	1	0	0	0	0	0	1	3
FLJ42957	0	0	0	1	0	0	1	0	0	1	3
FLJ13137	0	0	0	1	0	0	1	0	0	1	3
LMX1B	0	1	0	1	0	0	0	0	0	1	3
C8orf59	0	1	0	1	0	0	0	0	0	1	3
SMAD2	1	0	0	1	0	0	0	0	0	1	3
ARRB2	1	0	0	1	0	0	0	0	0	1	3
MAGEA4	1	0	0	1	0	0	0	0	0	1	3
MAGEA4	1	0	0	1	0	0	0	0	0	1	3
MAGEB1	1	1	0	1	0	0	0	0	0	0	3
MAP2	1	0	0	1	0	0	0	0	0	1	3
MAP2	1	0	0	1	0	0	0	0	0	1	3
MAPT	1	0	0	1	0	0	0	0	0	1	3
MAPT	1	0	0	1	0	0	0	0	0	1	3
MAPT	1	0	0	1	0	0	0	0	0	1	3
MAPT	1	0	0	1	0	0	0	0	0	1	3
MAPT	1	0	0	1	0	0	0	0	0	1	3
MATN2	0	1	0	1	0	0	1	0	0	0	3
MBNL1	1	0	0	1	0	0	0	0	0	1	3
MBNL1	1	0	0	1	0	0	0	0	0	1	3
MBNL1	1	0	0	1	0	0	0	0	0	1	3
MBNL1	1	0	0	1	0	0	0	0	0	1	3
MBNL1	1	0	0	1	0	0	0	0	0	1	3
MBP	1	0	0	1	0	0	0	0	0	1	3
MBP	1	0	0	1	0	0	0	0	0	1	3
MBP	1	0	0	1	0	0	0	0	0	1	3
MBP	1	0	0	1	0	0	0	0	0	1	3
CD46	1	0	0	1	0	0	0	0	0	1	3
CD46	1	0	0	1	0	0	0	0	0	1	3
CD46	1	0	0	1	0	0	0	0	0	1	3
CD46	1	0	0	1	0	0	0	0	0	1	3
CD46	1	0	0	1	0	0	0	0	0	1	3
CD46	0	1	0	1	0	0	0	0	0	1	3
CD46	1	0	0	1	0	0	0	0	0	1	3
MDM4	0	1	0	1	0	0	1	0	0	0	3
MEST	1	0	0	1	0	0	0	0	0	1	3
MEST	1	0	0	1	0	0	0	0	0	1	3
MFAP3	0	1	0	1	0	0	1	0	0	0	3
MGAT3	0	1	0	1	0	0	0	0	0	1	3

KITLG	1	0	0	1	0	0	0	0	0	1	3
ATXN3	1	0	0	1	0	0	0	0	0	1	3
ATXN3	1	0	0	1	0	0	0	0	0	1	3
ATXN3	1	0	0	1	0	0	0	0	0	1	3
MLF1	1	0	0	1	0	0	0	0	0	1	3
MLF1	1	0	0	1	0	0	0	0	0	1	3
MLLT4	0	1	0	1	0	0	1	0	0	0	3
MME	0	1	0	1	0	0	0	0	0	1	3
MOCS2	1	1	0	1	0	0	0	0	0	0	3
MOG	1	0	0	1	0	0	0	0	0	1	3
MOG	1	0	0	1	0	0	0	0	0	1	3
MOG	1	0	0	1	0	0	0	0	0	1	3
MOG	0	1	0	1	0	0	0	0	0	1	3
MTHFD2L	0	0	0	1	0	0	1	0	0	1	3
MSR1	1	0	0	1	0	0	0	0	0	1	3
MYBPC1	0	0	0	1	1	1	0	0	0	0	3
ATF1	0	1	0	1	0	0	1	0	0	0	3
NBN	0	0	0	1	0	0	1	0	0	1	3
RERE	1	0	0	1	0	0	0	0	0	1	3
SEPT2	1	0	0	1	0	0	0	0	0	1	3
SEPT2	1	0	0	1	0	0	0	0	0	1	3
NELL2	1	0	0	1	0	0	1	0	0	0	3
NF1	1	0	0	1	0	0	0	0	0	1	3
NPM1	0	0	0	1	1	1	0	0	0	0	3
NRCAM	1	0	0	1	0	0	0	0	0	1	3
NRF1	1	0	0	1	0	0	0	0	0	1	3
ZNF295	1	0	0	1	0	0	0	0	0	1	3
SPRN	0	1	0	1	0	0	1	0	0	0	3
MINK1	1	0	0	1	0	0	0	0	0	1	3
MINK1	0	0	0	1	1	0	0	0	0	1	3
Dec-01	0	1	0	1	0	0	1	0	0	0	3
ITSN2	1	0	0	1	0	0	0	0	0	1	3
TMEM16G	0	1	0	1	0	0	1	0	0	0	3
ARHGEF3	1	0	0	1	0	0	0	0	0	1	3
PARK2	1	0	0	1	0	0	0	0	0	1	3
PARK2	1	0	0	1	0	0	0	0	0	1	3
PARN	1	0	0	1	0	0	0	0	0	1	3
PAX6	0	0	1	1	0	0	1	0	0	0	3
SPOCK3	1	0	0	1	0	0	0	0	0	1	3
PDE11A	1	0	0	1	0	0	0	0	0	1	3
PDE11A	1	0	0	1	0	0	0	0	0	1	3

PCDH7	0	0	0	1	0	0	1	0	0	1	3
ACOX1	1	0	0	1	0	0	0	0	0	1	3
SLC35C2	1	0	0	1	0	0	0	0	0	1	3
KLHL5	1	0	0	1	0	0	0	0	0	1	3
PHF20L1	1	0	0	1	0	0	0	0	0	1	3
CCDC41	0	0	0	1	0	0	1	0	0	1	3
IRAK4	0	1	0	1	0	0	0	0	0	1	3
ZNF639	0	1	0	1	0	0	1	0	0	0	3
VRK3	1	0	0	1	0	0	0	0	0	1	3
C4orf18	1	1	0	1	0	0	0	0	0	0	3
C4orf18	1	0	0	1	0	0	1	0	0	0	3
PLAC8	1	0	0	1	0	0	0	0	0	1	3
SPG21	1	0	0	1	0	0	0	0	0	1	3
SPG21	1	0	0	1	0	0	0	0	0	1	3
WNT16	1	0	0	1	0	0	0	0	0	1	3
PRKAG2	1	0	0	1	0	0	0	0	0	1	3
PRKAG2	1	0	0	1	0	0	0	0	0	1	3
ARMCX3	0	1	0	1	0	0	0	0	0	1	3
AZIN1	1	0	0	1	0	0	1	0	0	0	3
TRIM33	1	0	0	1	0	0	0	0	0	1	3
VPS24	1	0	0	1	0	0	0	0	0	1	3
PDPK1	1	0	0	1	0	0	0	0	0	1	3
PEG3	1	0	0	1	0	0	1	0	0	0	3
ACP1	0	1	0	1	0	0	0	0	0	1	3
PHKA1	1	0	0	1	0	0	0	0	0	1	3
SERPINI1	1	1	0	1	0	0	0	0	0	0	3
SERPINI1	1	0	0	1	0	0	1	0	0	0	3
PIGA	1	0	0	1	0	0	0	0	0	1	3
PIP4K2A	0	1	0	1	0	0	1	0	0	0	3
PLAG1	1	0	0	1	0	0	0	0	0	1	3
PANK1	1	0	0	1	0	0	0	0	0	1	3
PANK1	1	0	0	1	0	0	0	0	0	1	3
PLD1	1	0	0	1	0	0	0	0	0	1	3
PLP1	1	0	0	1	1	0	0	0	0	0	3
PLRG1	1	1	0	1	0	0	0	0	0	0	3
ATP7B	1	0	0	1	0	0	0	0	0	1	3
PNN	0	1	0	1	0	0	1	0	0	0	3
POLH	0	1	0	1	0	0	0	0	0	1	3
GDAP1	1	0	0	1	0	0	0	0	0	1	3
RBM27	0	1	0	1	0	0	0	0	0	1	3
OTUD4	0	0	0	1	1	0	0	0	0	1	3

C17orf59	0	1	0	1	0	0	1	0	0	0	3
CNNM2	1	0	0	1	0	0	0	0	0	1	3
RBM35A	1	0	0	1	0	0	0	0	0	1	3
RBM35A	1	0	0	1	0	0	0	0	0	1	3
RBM35A	0	1	0	1	0	0	0	0	0	1	3
CTF8	1	0	0	1	0	0	1	0	0	0	3
OCIAD1	1	0	0	1	0	0	0	0	0	1	3
OCIAD1	1	0	0	1	0	0	0	0	0	1	3
LPCAT2	0	1	0	1	0	0	0	0	0	1	3
PIGX	0	1	0	1	0	0	1	0	0	0	3
ACPP	1	0	0	1	0	0	1	0	0	0	3
BANK1	1	0	0	1	0	0	0	0	0	1	3
BANK1	1	0	0	1	0	0	0	0	0	1	3
FAM70A	1	0	0	1	0	0	0	0	0	1	3
FAM70A	1	0	0	1	0	0	0	0	0	1	3
ATG16L1	1	0	0	1	0	0	0	0	0	1	3
C9orf40	0	1	0	1	0	0	1	0	0	0	3
FLJ10213	0	1	0	1	0	0	1	0	0	0	3
RALGPS2	1	1	0	1	0	0	0	0	0	0	3
LRRC8D	1	0	0	1	0	0	0	0	0	1	3
DALRD3	1	1	0	1	0	0	0	0	0	0	3
PBRM1	1	0	0	1	0	0	0	0	0	1	3
PPP2R3A	1	0	0	1	0	0	0	0	0	1	3
IMP3	0	1	0	1	0	0	1	0	0	0	3
UBE2W	1	0	0	1	0	0	0	0	0	1	3
MCM10	1	0	0	1	0	0	0	0	0	1	3
DNAJA4	1	0	0	1	0	0	0	0	0	1	3
DNAJA4	1	0	0	1	0	0	0	0	0	1	3
SLC35E3	0	1	0	1	0	0	1	0	0	0	3
RBM38	1	1	0	1	0	0	0	0	0	0	3
BMP2K	1	0	0	1	0	0	0	0	0	1	3
ZNF673	1	0	0	1	0	0	0	0	0	1	3
ZNF673	1	0	0	1	0	0	0	0	0	1	3
KIAA1310	1	1	0	1	0	0	0	0	0	0	3
KIAA1310	1	0	0	1	0	0	1	0	0	0	3
C17orf63	0	1	0	1	0	0	0	0	0	1	3
C17orf63	0	0	0	1	0	0	1	0	0	1	3
ZNF83	1	0	0	1	0	0	0	0	0	1	3
CSGALNACT1	1	0	0	1	0	0	0	0	0	1	3
SCN3B	1	0	0	1	0	0	0	0	0	1	3
TRERF1	1	1	0	1	0	0	0	0	0	0	3

BDP1	1	1	0	1	0	0	0	0	0	0	3
C3orf10	0	1	0	1	0	0	1	0	0	0	3
PRKG1	1	0	0	1	0	0	0	0	0	1	3
C20orf24	1	1	0	1	0	0	0	0	0	0	3
FAM54B	1	0	0	1	0	0	0	0	0	1	3
FAM54B	1	0	0	1	0	0	0	0	0	1	3
LMOD3	0	1	0	1	0	0	1	0	0	0	3
LRRC8A	1	0	0	1	0	0	0	0	1	0	3
LRRC8A	1	1	0	1	0	0	0	0	0	0	3
PSG2	0	1	0	1	0	0	1	0	0	0	3
PSG5	0	1	0	1	0	0	0	0	0	1	3
PSG11	0	1	0	1	0	0	0	0	0	1	3
AGPAT3	1	0	0	1	0	0	0	0	0	1	3
ANKS1B	1	0	0	1	1	0	0	0	0	0	3
C1orf119	0	1	0	1	0	0	0	0	0	1	3
SPIRE1	1	0	0	1	0	0	0	0	0	1	3
SMARCAD1	1	0	0	1	0	0	0	0	0	1	3
SMARCAD1	1	0	0	1	0	0	0	0	0	1	3
PRDM10	1	0	0	1	1	0	0	0	0	0	3
PRDM10	1	0	0	1	1	0	0	0	0	0	3
PRDM10	1	0	0	1	1	0	0	0	0	0	3
BAAT	0	0	0	1	0	0	1	0	0	1	3
BACH1	1	1	0	1	0	0	0	0	0	0	3
BACH1	1	0	0	1	0	0	1	0	0	0	3
LYRM1	1	0	0	1	0	0	0	0	0	1	3
C6orf162	1	0	0	1	0	0	1	0	0	0	3
C6orf162	1	1	0	1	0	0	0	0	0	0	3
SMURF1	1	0	0	1	0	0	1	0	0	0	3
SMURF1	1	1	0	1	0	0	0	0	0	0	3
PHTF2	1	0	0	1	0	0	0	0	0	1	3
PHTF2	1	0	0	1	0	0	0	0	0	1	3
KIAA1191	1	1	0	1	0	0	0	0	0	0	3
KIAA1191	1	0	0	1	0	0	1	0	0	0	3
SLC39A10	1	0	0	1	0	0	0	0	0	1	3
PSMD13	1	1	0	1	0	0	0	0	0	0	3
GPR126	1	0	0	1	0	0	0	0	0	1	3
C13orf1	0	1	0	1	0	0	1	0	0	0	3
ERGIC1	0	0	0	1	0	0	1	0	0	1	3
SMEK2	1	1	0	1	0	0	0	0	0	0	3
PTCH1	0	1	0	1	0	0	0	0	0	1	3
PTCH1	0	0	0	1	0	0	1	0	0	1	3

NDRG3	1	0	0	1	0	0	0	0	0	1	3
NDRG2	1	0	0	1	0	0	0	0	0	1	3
NDRG2	1	0	0	1	0	0	0	0	0	1	3
NDRG2	1	0	0	1	0	0	0	0	0	1	3
NDRG2	1	0	0	1	0	0	0	0	0	1	3
NDRG2	1	0	0	1	0	0	0	0	0	1	3
NLGN4X	1	0	0	1	0	0	1	0	0	0	3
NLGN4X	1	1	0	1	0	0	0	0	0	0	3
MTUS1	1	0	0	1	0	0	0	0	0	1	3
MTUS1	1	0	0	1	0	0	0	0	0	1	3
MTUS1	1	0	0	1	0	0	0	0	0	1	3
PCDH19	1	0	0	1	0	0	0	0	0	1	3
TBC1D14	1	0	0	1	0	0	0	0	0	1	3
TBC1D14	1	0	0	1	0	0	0	0	0	1	3
STAMBPL1	0	1	0	1	0	0	0	0	0	1	3
FAM135A	1	0	0	1	0	0	0	0	0	1	3
FNIP2	0	1	0	1	0	0	1	0	0	0	3
C8orf79	0	1	0	1	0	0	1	0	0	0	3
CYP4F11	1	1	0	1	0	0	0	0	0	0	3
CYP4F11	1	0	0	1	0	0	1	0	0	0	3
PTPRB	1	0	0	1	0	0	0	0	0	1	3
PTPRC	1	0	0	1	0	0	0	0	0	1	3
PTPRE	1	0	0	1	0	0	0	0	0	1	3
PXMP3	0	0	0	1	0	0	1	0	0	1	3
RRAGD	1	1	0	1	0	0	0	0	0	0	3
PLEKHA1	1	0	0	1	0	0	0	0	0	1	3
RBMS2	0	1	0	1	0	0	0	0	0	1	3
RGS13	0	1	0	1	0	0	0	0	0	1	3
RNASE4	1	0	0	1	0	0	1	0	0	0	3
BCL6	1	0	0	1	0	0	0	0	0	1	3
RNF6	1	0	0	1	0	0	0	0	0	1	3
ROBO2	1	0	0	1	0	0	0	0	0	1	3
RORA	0	1	0	1	0	0	1	0	0	0	3
BDH1	1	1	0	1	0	0	0	0	0	0	3
BDH1	1	0	0	1	0	0	1	0	0	0	3
ATXN7	0	1	1	1	0	0	0	0	0	0	3
SCP2	0	1	0	1	0	0	1	0	0	0	3
CXCL12	0	1	0	1	0	0	0	0	0	1	3
PRDM1	1	0	0	1	0	0	0	0	0	1	3
PERP	0	1	0	1	0	0	0	0	0	1	3
NPAS3	1	1	0	1	0	0	0	0	0	0	3

PAPD5	1	0	0	1	0	0	0	0	0	1	3
LOC643641	0	1	0	1	0	0	1	0	0	0	3
hCG_1776018	0	1	0	1	0	0	1	0	0	0	3
SGK1	1	0	0	1	0	0	1	0	0	0	3
CXorf30	0	1	0	1	0	0	0	0	0	1	3
SH3BP2	1	0	0	1	0	0	0	0	0	1	3
ITSN1	1	0	0	1	0	0	0	0	0	1	3
C3orf65	0	0	0	1	0	0	1	0	0	1	3
NUCKS1	0	1	1	1	0	0	0	0	0	0	3
ATPAF1	1	0	0	1	0	0	0	0	0	1	3
TBC1D15	0	1	0	1	0	0	0	0	0	1	3
C1orf176	0	1	0	1	0	0	1	0	0	0	3
RABL5	1	0	0	1	0	0	0	0	0	1	3
RABL5	1	0	0	1	0	0	0	0	0	1	3
USP46	1	0	0	1	0	0	0	0	0	1	3
ST8SIA1	0	1	0	1	0	0	0	0	0	1	3
TTC23	1	0	0	1	0	0	0	0	0	1	3
TTC23	1	0	0	1	0	0	0	0	0	1	3
TTC23	1	0	0	1	0	0	0	0	0	1	3
TTC23	1	0	0	1	0	0	0	0	0	1	3
SKP1	0	1	0	1	0	0	0	0	0	1	3
NDRG4	1	0	0	1	0	0	0	0	0	1	3
NDRG4	1	0	0	1	0	0	0	0	0	1	3
SLA	1	0	0	1	0	0	0	0	0	1	3
SLC7A2	1	0	0	1	0	0	0	0	0	1	3
SLIT1	1	1	0	1	0	0	0	0	0	0	3
PHACTR4	1	0	0	1	0	0	0	0	0	1	3
CAPRIN2	1	0	0	1	0	0	0	0	0	1	3
SMARCC2	1	1	0	1	0	0	0	0	0	0	3
SNAP25	1	0	0	1	0	0	0	0	0	1	3
SNTB1	0	1	0	1	0	0	0	0	0	1	3
SNX1	1	0	0	1	0	0	0	0	0	1	3
SNX1	1	0	0	1	0	0	0	0	0	1	3
SP3	1	0	0	1	0	0	1	0	0	0	3
SP3	1	1	0	1	0	0	0	0	0	0	3
SP100	1	1	0	1	0	0	0	0	0	0	3
SPP1	1	0	0	1	0	0	0	0	0	1	3
SPP1	1	0	0	1	0	0	0	0	0	1	3
SSR1	0	1	0	1	0	0	0	0	0	1	3
STAT3	1	0	0	1	0	0	0	0	0	1	3
STAT3	0	1	0	1	0	0	0	0	0	1	3

STYX	1	1	0	1	0	0	0	0	0	0	3
STYX	1	0	0	1	0	0	1	0	0	0	3
SULT1C2	1	0	0	1	0	0	0	0	0	1	3
TGFBR1	1	0	0	1	0	0	0	0	0	1	3
TGFBR2	1	0	0	1	0	0	0	0	0	1	3
THRB	1	0	0	1	0	0	0	0	0	1	3
THRB	1	0	0	1	0	0	0	0	0	1	3
TIAL1	1	0	0	1	0	0	0	0	0	1	3
TPD52	1	0	0	1	0	0	0	0	0	1	3
TUB	1	0	0	1	0	0	0	0	0	1	3
TUFM	0	1	0	1	0	0	0	0	0	1	3
FLJ78302	1	1	0	1	0	0	0	0	0	0	3
TXNRD1	1	1	0	1	0	0	0	0	0	0	3
TXNRD1	1	0	0	1	0	0	1	0	0	0	3
UBE2A	1	0	0	1	0	0	0	0	0	1	3
UBE3A	1	1	0	1	0	0	0	0	0	0	3
UBE3A	1	0	0	1	0	0	1	0	0	0	3
UBP1	1	0	0	1	0	0	0	0	0	1	3
UTY	1	0	0	1	0	0	1	0	0	0	3
VCAM1	1	0	0	1	0	0	0	0	0	1	3
VEGFA	1	1	0	1	0	0	0	0	0	0	3
VEGFA	1	1	0	1	0	0	0	0	0	0	3
VIP	1	0	0	1	0	0	0	0	0	1	3
TRPV1	1	1	0	1	0	0	0	0	0	0	3
TRPV1	1	0	0	1	0	0	1	0	0	0	3
WHSC1	1	0	0	1	0	0	0	0	0	1	3
WHSC1	1	0	0	1	0	0	0	0	0	1	3
WHSC1	1	0	0	1	0	0	0	0	0	1	3
YWHAB	1	0	0	1	0	0	0	0	0	1	3
C18orf1	1	0	0	1	0	0	0	0	0	1	3
C18orf1	1	0	0	1	0	0	0	0	0	1	3
C18orf1	1	0	0	1	0	0	0	0	0	1	3
C18orf1	1	0	0	1	0	0	0	0	0	1	3
SF1	1	0	0	1	0	0	0	0	0	1	3
ZNF133	1	1	0	1	0	0	0	0	0	0	3
ZNF133	1	0	0	1	0	0	1	0	0	0	3
ZNF200	1	0	0	1	0	0	0	0	0	1	3
ZNF207	1	0	0	1	0	0	0	0	0	1	3
LRP8	1	0	0	1	0	0	0	0	0	1	3
LRP8	1	0	0	1	0	0	0	0	0	1	3
LRP8	1	0	0	1	0	0	0	0	0	1	3

CACNB2	0	0	0	1	1	0	0	0	0	1	3
ZNF655	1	0	0	1	0	0	0	0	0	1	3
CHCHD7	0	0	1	1	0	0	1	0	0	0	3
ZNF557	1	0	0	1	0	0	0	0	0	1	3
EPM2A	1	1	0	1	0	0	0	0	0	0	3
RNF128	1	0	0	1	0	0	0	0	0	1	3
CALCA	0	1	0	1	0	0	0	0	0	1	3
HMBOX1	1	0	0	1	0	0	1	0	0	0	3
C1orf108	1	1	0	1	0	0	0	0	0	0	3
NARG2	1	0	0	1	0	0	0	0	0	1	3
FASTKD1	0	1	0	1	0	0	0	0	0	1	3
C14orf169	0	1	0	1	0	0	1	0	0	0	3
PPCS	1	0	0	1	0	0	0	0	0	1	3
C10orf68	0	1	0	1	0	0	1	0	0	0	3
ZNF419	1	0	0	1	0	0	0	0	0	1	3
ZNF419	1	0	0	1	0	0	0	0	0	1	3
ZNF419	1	0	0	1	0	0	0	0	0	1	3
ZNF419	1	0	0	1	0	0	0	0	0	1	3
ZNF419	1	0	0	1	0	0	0	0	0	1	3
ACBD4	1	0	0	1	0	0	1	0	0	0	3
ALG9	1	0	0	1	0	0	0	0	0	1	3
JMJD5	1	0	0	1	0	0	1	0	0	0	3
C2orf54	1	0	0	1	0	0	0	0	0	1	3
KIAA0319L	1	1	0	1	0	0	0	0	0	0	3
SYNPO2L	1	1	0	1	0	0	0	0	0	0	3
MYST3	1	0	0	1	0	0	1	0	0	0	3
MYST3	1	1	0	1	0	0	0	0	0	0	3
DNAJB14	0	0	0	1	0	0	1	0	0	1	3
PANK2	1	0	0	1	0	0	0	0	0	1	3
PANK2	1	0	0	1	0	0	0	0	0	1	3
SEMA6D	0	1	0	1	0	0	0	0	0	1	3
TRPM3	1	0	0	1	0	0	0	0	0	1	3
TRPM3	1	0	0	1	0	0	0	0	0	1	3
TRPM3	1	0	0	1	0	0	0	0	0	1	3
ASRGL1	1	0	0	1	0	0	0	0	0	1	3
IFT74	1	1	0	1	0	0	0	0	0	0	3
LHX3	1	0	0	1	0	0	0	0	0	1	3
MLLT10	0	1	0	1	0	0	0	0	0	1	3
WDR23	1	0	0	1	0	0	0	0	0	1	3
COASY	1	0	0	1	0	0	0	0	0	1	3
COASY	1	0	0	1	0	0	0	0	0	1	3

COASY	1	0	0	1	0	0	0	0	0	1	3
TMEM22	1	0	0	1	0	0	0	0	0	1	3
ITIH5	1	0	0	1	0	0	0	0	0	1	3
WNT5B	1	0	0	1	0	0	0	0	0	1	3
ANP32A	1	1	0	1	0	0	0	0	0	0	3
CALU	1	0	0	1	0	0	0	0	0	1	3
TAF15	0	1	0	1	0	0	0	0	0	1	3
NCOA3	1	0	0	1	0	0	0	0	0	1	3
USP9X	1	0	0	1	0	0	0	0	0	1	3
COLQ	1	1	0	1	0	0	0	0	0	0	3
COLQ	1	0	0	1	0	0	1	0	0	0	3
PICALM	1	0	0	1	0	0	0	0	0	1	3
ACOX3	0	1	0	1	0	0	0	0	0	1	3
LRRC48	0	1	0	1	0	0	0	0	0	1	3
DDX59	0	0	0	1	0	0	1	0	0	1	3
HIST1H3D	0	1	0	1	0	0	0	0	0	1	3
FCAMR	1	1	0	1	0	0	0	0	0	0	3
NCALD	1	0	0	1	0	0	0	0	0	1	3
C11orf56	1	0	0	1	0	0	0	0	0	1	3
CASP8	1	1	0	1	0	0	0	0	0	0	3
ARL6	1	1	0	1	0	0	0	0	0	0	3
STK24	1	0	0	1	0	0	0	0	0	1	3
NCK2	1	1	0	1	0	0	0	0	0	0	3
NCK2	1	1	0	1	0	0	0	0	0	0	3
C15orf48	1	0	0	1	0	0	0	0	0	1	3
PARD6B	0	1	0	1	0	0	0	0	0	1	3
SORBS2	1	0	0	1	0	0	0	0	0	1	3
GTPBP3	1	0	0	1	0	0	0	0	0	1	3
PSRC1	1	0	0	1	0	0	0	0	0	1	3
MINA	1	0	0	1	0	0	0	0	0	1	3
PTPN5	1	0	0	1	0	0	1	0	0	0	3
PTPN5	1	1	0	1	0	0	0	0	0	0	3
TBRG1	0	1	0	1	0	0	0	0	0	1	3
RANBP3	1	0	0	1	0	0	0	0	0	1	3
RANBP3	1	0	0	1	0	0	0	0	0	1	3
PIGY	1	1	0	1	0	0	0	0	0	0	3
PIK3R3	1	0	0	1	0	0	0	0	0	1	3
GAS7	1	0	0	1	0	0	0	0	0	1	3
GAS7	1	0	0	1	0	0	0	0	0	1	3
GAS7	1	0	0	1	0	0	0	0	0	1	3
DDO	1	0	0	1	0	0	0	0	0	1	3

SHANK3	0	1	0	1	0	0	1	0	0	0	3
CDC14B	1	0	0	1	0	0	0	0	0	1	3
CDC14B	1	0	0	1	0	0	0	0	0	1	3
MADD	1	0	0	1	0	0	0	0	0	1	3
MADD	1	0	0	1	0	0	0	0	0	1	3
MADD	1	0	0	1	0	0	0	0	0	1	3
MADD	1	0	0	1	0	0	0	0	0	1	3
MADD	1	0	0	1	0	0	0	0	0	1	3
KHSRP	0	1	0	1	0	0	0	0	0	1	3
GTPBP10	1	0	0	1	0	0	0	0	0	1	3
TP63	1	0	0	1	0	0	0	0	0	1	3
TP63	1	0	0	1	0	0	0	0	0	1	3
PDE5A	1	0	0	1	0	0	0	0	0	1	3
SLC4A4	1	0	0	1	0	0	0	0	0	1	3
C19orf2	1	0	0	1	0	0	0	0	0	1	3
TNFRSF10B	1	0	0	1	0	0	0	0	0	1	3
INPP4B	0	1	0	1	0	0	0	0	0	1	3
CCBL1	1	1	0	1	0	0	0	0	0	0	3
AKAP4	1	0	0	1	0	0	0	0	0	1	3
VNN2	1	0	0	1	0	0	0	0	0	1	3
KRIT1	1	0	0	1	0	0	0	0	0	1	3
KRIT1	1	0	0	1	0	0	0	0	0	1	3
TRIM4	1	0	0	1	0	0	1	0	0	0	3
TRIM4	1	1	0	1	0	0	0	0	0	0	3
WASF1	1	0	0	1	0	0	0	0	0	1	3
WASF1	1	0	0	1	0	0	0	0	0	1	3
AP3D1	1	0	0	1	0	0	0	0	0	1	3
BTRC	1	0	0	1	0	0	0	0	0	1	3
P4HA2	1	0	0	1	0	0	0	0	0	1	3
P4HA2	1	0	0	1	0	0	0	0	0	1	3
FAM125B	0	1	0	1	0	0	0	0	0	1	3
KALRN	1	0	0	1	0	0	0	0	0	1	3
PHLDB2	1	0	0	1	0	0	0	0	0	1	3
PHLDB2	1	0	0	1	0	0	0	0	0	1	3
TMEM41A	0	1	0	1	0	0	1	0	0	0	3
SPAG9	1	0	0	1	0	0	0	0	0	1	3
C12orf23	0	1	0	1	0	0	0	0	0	1	3
SLC7A6	0	0	0	1	0	0	1	0	0	1	3
TBX18	0	1	0	1	0	0	1	0	0	0	3
USP14	1	0	0	1	0	0	0	0	0	1	3
CD1E	1	0	0	1	0	0	0	0	0	1	3

CD1E	1	0	0	1	0	0	0	0	0	1	3
CD1E	1	0	0	1	0	0	0	0	0	1	3
CD1E	1	0	0	1	0	0	0	0	0	1	3
CBFA2T2	1	0	0	1	0	0	0	0	0	1	3
ZNF502	1	1	0	1	0	0	0	0	0	0	3
ZNF502	1	0	0	1	0	0	1	0	0	0	3
SESTD1	0	1	0	1	0	0	0	0	1	0	3
EXO1	1	1	0	1	0	0	0	0	0	0	3
SLFN11	0	0	0	1	0	0	1	0	0	1	3
SLFN11	0	1	0	1	0	0	0	0	0	1	3
SLFN11	1	0	0	1	0	0	0	0	0	1	3
SLFN11	1	0	0	1	0	0	0	0	0	1	3
CHURC1	0	0	0	1	0	0	1	0	0	1	3
MYADM	1	0	0	1	0	0	0	0	0	1	3
MYADM	1	0	0	1	0	0	0	0	0	1	3
NEK9	1	1	0	1	0	0	0	0	0	0	3
CABLES1	1	0	0	1	0	0	0	0	0	1	3
WDR20	0	0	0	1	1	1	0	0	0	0	3
WDR20	0	0	0	1	1	1	0	0	0	0	3
BUB3	0	1	0	1	0	0	0	0	1	0	3
REPS2	1	0	0	1	0	0	0	0	0	1	3
FAM58A	1	0	0	1	0	0	0	0	0	1	3
MAGI1	0	0	0	1	1	0	0	0	0	1	3
MS4A1	0	0	0	1	0	0	1	0	0	1	3
ANUBL1	0	1	0	1	0	0	0	0	0	1	3
RECQL5	1	1	0	1	0	0	0	0	0	0	3
TMEM203	0	1	0	1	0	0	1	0	0	0	3
NCR2	0	1	0	1	0	0	0	0	0	1	3
QKI	1	0	0	1	0	0	0	0	0	1	3
HOMER2	1	0	0	1	0	0	0	0	0	1	3
HOMER2	1	0	0	1	0	0	0	0	0	1	3
HOMER2	1	0	0	1	0	0	0	0	0	1	3
SLC4A8	1	0	0	1	0	0	0	0	0	1	3
BAG5	1	0	0	1	0	0	0	0	0	1	3
BAG5	1	0	0	1	0	0	0	0	0	1	3
ENTPD1	0	1	0	1	0	0	0	0	0	1	3
ENTPD1	0	0	0	1	0	0	1	0	0	1	3
EI24	1	1	0	1	0	0	0	0	0	0	3
CREB5	1	0	0	1	0	0	0	0	0	1	3
CREB5	1	0	0	1	0	0	0	0	0	1	3
CREB5	1	0	0	1	0	0	0	0	0	1	3

WTAP	0	1	0	1	0	0	1	0	0	0	3
RNF14	1	0	0	1	0	0	0	0	0	1	3
RNF14	1	0	0	1	0	0	0	0	0	1	3
RNF7	1	1	0	1	0	0	0	0	0	0	3
FNIP1	0	1	0	1	0	0	0	0	0	1	3
CD59	1	0	0	1	0	0	0	0	0	1	3
CD59	1	0	0	1	0	0	0	0	0	1	3
CD59	1	0	0	1	0	0	0	0	0	1	3
CD59	1	0	0	1	0	0	0	0	0	1	3
CD59	1	0	0	1	0	0	0	0	0	1	3
SDC3	1	1	0	1	0	0	0	0	0	0	3
PHACTR2	1	0	0	1	0	0	0	0	0	1	3
PHACTR2	1	0	0	1	0	0	0	0	0	1	3
PHACTR2	1	0	0	1	0	0	0	0	0	1	3
BCLAF1	1	0	0	1	0	0	0	0	0	1	3
BCLAF1	1	0	0	1	0	0	0	0	0	1	3
KIAA0232	0	1	0	1	0	0	0	0	0	1	3
MATR3	1	1	0	1	0	0	0	0	0	0	3
MATR3	1	0	0	1	0	0	1	0	0	0	3
BMS1	0	1	0	1	0	0	0	0	1	0	3
SCRN1	1	0	0	1	0	0	1	0	0	0	3
GIT2	1	0	0	1	0	0	0	0	0	1	3
GIT2	1	0	0	1	0	0	0	0	0	1	3
CDC2	1	1	0	1	0	0	0	0	0	0	3
HEPH	1	1	0	1	0	0	0	0	0	0	3
MFAP3L	1	0	0	1	0	0	0	0	0	1	3
OSBPL2	1	0	0	1	0	0	0	0	0	1	3
SMG7	1	0	0	1	0	0	0	0	0	1	3
SMG7	1	0	0	1	0	0	0	0	0	1	3
CDC25A	1	0	0	1	0	0	0	0	0	1	3
SLC23A2	1	0	0	1	0	0	0	0	0	1	3
REC8	1	0	0	1	0	0	0	0	0	1	3
G3BP1	1	0	0	0	0	0	1	1	0	0	3
MBNL2	1	0	0	0	1	0	0	0	0	1	3
APPBP2	1	1	0	0	0	0	1	0	0	0	3
TRIM3	1	1	0	0	0	0	0	0	0	1	3
IVNS1ABP	1	0	0	0	0	0	0	0	1	1	3
POSTN	1	1	0	0	0	0	1	0	0	0	3
TOB2	1	1	0	0	0	0	1	0	0	0	3
ZNF266	1	1	0	0	0	0	0	0	0	1	3
ZNF274	1	0	0	0	0	0	1	0	0	1	3

PDE10A	1	1	0	0	0	0	0	0	0	1	3
AP3M2	1	1	0	0	0	0	0	0	0	1	3
C10orf116	1	1	0	0	0	0	1	0	0	0	3
ERLIN2	1	1	0	0	0	0	0	0	0	1	3
AKAP11	1	1	0	0	0	0	1	0	0	0	3
OSBPL6	1	1	0	0	0	0	0	0	0	1	3
SLC26A9	1	1	0	0	0	0	0	0	0	1	3
SLC26A7	1	1	0	0	0	0	0	0	0	1	3
ZNF573	1	1	0	0	0	0	1	0	0	0	3
NUDT16	1	1	0	0	0	0	1	0	0	0	3
CTNNB1	1	1	0	0	0	0	1	0	0	0	3
TXLNB	1	1	0	0	0	0	1	0	0	0	3
SYNPO2	1	1	0	0	0	0	0	0	0	1	3
ZNF675	1	1	0	0	0	0	1	0	0	0	3
AGL	1	1	0	0	0	0	0	0	0	1	3
ACSF3	1	1	0	0	0	0	0	0	0	1	3
ZNF626	1	1	0	0	0	0	0	0	0	1	3
EMR1	1	1	0	0	0	0	1	0	0	0	3
EVI1	1	0	0	0	0	0	1	0	1	0	3
USP33	1	0	0	0	1	0	0	0	0	1	3
SMG1	1	1	0	0	0	0	1	0	0	0	3
NCOA6	1	1	0	0	0	0	1	0	0	0	3
RHOBTB2	1	0	0	0	0	0	1	1	0	0	3
MGA	1	0	0	0	0	0	1	0	0	1	3
BICD2	1	1	0	0	1	0	0	0	0	0	3
C20orf103	1	1	0	0	0	0	1	0	0	0	3
MTHFD1L	1	1	0	0	0	0	1	0	0	0	3
IBTK	1	0	0	0	0	0	1	0	0	1	3
RAI14	1	0	0	0	0	0	1	0	0	1	3
FBXL5	1	1	0	0	0	0	0	0	0	1	3
LCE2B	1	1	0	0	0	0	1	0	0	0	3
AP3M1	1	1	0	0	0	0	0	0	0	1	3
AP3M1	1	0	0	0	0	0	1	0	0	1	3
ZNF326	1	1	0	0	0	0	0	0	0	1	3
C3orf23	1	1	0	0	0	0	0	0	0	1	3
PURG	1	1	0	0	0	0	1	0	0	0	3
HMGCS1	1	1	0	0	0	0	0	0	0	1	3
RAB37	1	1	0	0	0	0	1	0	0	0	3
ITGA4	1	1	0	0	0	0	1	0	0	0	3
ITGAL	1	1	0	0	0	0	1	0	0	0	3
KAL1	1	1	0	0	0	0	1	0	0	0	3

FLG2	1	1	0	0	0	0	1	0	0	0	3
ZNF793	1	1	0	0	0	0	1	0	0	0	3
MECP2	1	1	0	0	0	0	0	0	0	1	3
MET	1	1	0	0	0	0	0	0	0	1	3
MET	1	0	1	0	0	0	0	0	0	1	3
NPHP1	1	0	0	0	0	0	1	0	0	1	3
SLC11A2	1	1	0	0	0	0	1	0	0	0	3
ATP2B3	1	1	0	0	0	0	0	0	0	1	3
GOLGA7	1	1	0	0	0	0	0	0	0	1	3
CCDC41	1	1	0	0	0	0	0	0	0	1	3
ZDHHC2	1	1	0	0	0	0	1	0	0	0	3
NCKIPSD	1	1	0	0	0	0	1	0	0	0	3
PDHA2	1	1	0	0	0	0	1	0	0	0	3
PHKA1	1	1	0	0	0	0	0	0	0	1	3
SERPINB13	1	1	0	0	0	0	1	0	0	0	3
PML	1	1	0	0	0	0	0	0	0	1	3
C21orf91	1	1	0	0	0	0	0	0	0	1	3
GFOD1	1	1	0	0	0	0	1	0	0	0	3
EXOC6	1	1	0	0	0	0	1	0	0	0	3
CROT	1	1	0	0	0	0	1	0	0	0	3
ZNF562	1	1	0	0	0	0	0	0	0	1	3
PID1	1	1	0	0	0	0	1	0	0	0	3
FBXO34	1	1	0	0	0	0	0	0	0	1	3
SLC38A4	1	0	0	0	0	0	1	0	0	1	3
BSDC1	1	1	0	0	0	0	1	0	0	0	3
ARMC4	1	1	0	0	0	0	1	0	0	0	3
DALRD3	1	0	0	0	1	0	1	0	0	0	3
CSGALNACT2	1	1	0	0	0	0	1	0	0	0	3
PRCP	1	1	0	0	0	0	0	0	0	1	3
ETNK1	1	1	0	0	0	0	0	0	0	1	3
MBNL3	1	1	0	0	0	0	0	0	0	1	3
FAM54B	1	1	0	0	0	0	0	0	0	1	3
C8orf44	1	1	0	0	0	0	1	0	0	0	3
ZC3HAV1	1	1	0	0	0	0	0	0	0	1	3
CASC5	1	1	0	0	0	0	0	0	0	1	3
CASC5	1	0	0	0	0	0	1	0	0	1	3
PAK7	1	0	0	0	0	0	1	0	0	1	3
LYRM1	1	1	0	0	0	0	0	0	0	1	3
PHTF2	1	1	0	0	0	0	0	0	0	1	3
PTGER3	1	1	0	0	0	0	0	0	0	1	3
TMCC3	1	1	0	0	0	0	1	0	0	0	3

GATAD2B	1	1	0	0	0	0	1	0	0	0	3
RABGGTB	1	1	0	0	0	0	1	0	0	0	3
ZNF350	1	1	0	0	0	0	1	0	0	0	3
RFC3	1	1	0	0	0	0	0	0	0	1	3
NDRG4	1	1	0	0	0	0	0	0	0	1	3
GPBP1	1	0	0	0	1	0	0	0	0	1	3
RAPH1	1	1	0	0	0	0	0	0	0	1	3
SSX5	1	0	0	0	0	0	1	1	0	0	3
C5	1	1	0	0	0	0	1	0	0	0	3
USH2A	1	1	0	0	0	0	0	0	0	1	3
UTRN	1	1	0	0	0	0	1	0	0	0	3
VDR	1	0	0	0	0	0	1	0	0	1	3
ZNF37A	1	1	0	0	0	0	0	0	0	1	3
ZNF85	1	1	0	0	0	0	1	0	0	0	3
ZNF135	1	0	0	0	0	0	0	1	0	1	3
ZNF200	1	1	0	0	0	0	0	0	0	1	3
CACNB2	1	0	0	0	1	0	0	0	0	1	3
CACNB4	1	1	0	0	0	0	0	0	0	1	3
CACNB4	1	0	0	0	0	0	1	0	0	1	3
ZNF655	1	1	0	0	0	0	0	0	0	1	3
ZNF655	1	0	0	0	1	0	0	0	0	1	3
GSTCD	1	1	0	0	0	0	0	0	0	1	3
MMRN2	1	1	0	0	0	0	1	0	0	0	3
C13orf18	1	0	0	0	0	0	1	0	0	1	3
TMEM22	1	1	0	0	0	0	0	0	0	1	3
SLC38A1	1	1	0	0	0	0	0	0	0	1	3
CAMK2D	1	1	0	0	0	0	0	0	0	1	3
CCDC62	1	1	0	0	0	0	0	0	0	1	3
PSRC1	1	1	0	0	0	0	0	0	0	1	3
ORAI1	1	0	0	0	0	0	1	1	0	0	3
CNTNAP4	1	1	0	0	0	0	0	0	0	1	3
DIXDC1	1	1	0	0	0	0	0	0	0	1	3
RUNX1	1	1	0	0	0	0	0	0	0	1	3
STX16	1	1	0	0	0	0	1	0	0	0	3
B4GALT4	1	1	0	0	0	0	0	0	0	1	3
B4GALT4	1	0	0	0	0	0	1	0	0	1	3
APLN	1	1	0	0	0	0	1	0	0	0	3
SYNJ1	1	1	0	0	0	0	0	0	0	1	3
SYNJ1	1	0	0	0	0	0	1	0	0	1	3
KRIT1	1	1	0	0	0	0	0	0	0	1	3
KLHL13	1	1	0	0	0	0	1	0	0	0	3

ZNF468	1	1	0	0	0	0	0	0	0	1	3
UBE2M	1	1	0	0	0	0	1	0	0	0	3
MTA1	1	1	0	0	0	0	1	0	0	0	3
CBFA2T2	1	1	0	0	0	0	0	0	0	1	3
BTF3L4	1	1	0	0	0	0	1	0	0	0	3
VAPB	1	1	0	0	0	0	1	0	0	0	3
NRXN3	1	0	0	0	1	0	0	0	0	1	3
ZRANB2	1	1	0	0	0	0	0	0	0	1	3
QKI	1	1	0	0	0	0	0	0	0	1	3
MPHOSPH1	1	1	0	0	0	0	1	0	0	0	3
RNF14	1	0	0	0	0	0	1	0	0	1	3
GIT2	1	1	0	0	0	0	0	0	0	1	3
PIGK	0	1	0	0	0	0	1	0	0	1	3
UST	0	1	0	0	0	0	1	0	0	1	3
NAMPT	0	1	0	0	0	0	1	0	0	1	3
YAF2	0	1	0	0	0	0	1	0	0	1	3
SORBS3	0	1	0	0	0	0	1	0	0	1	3
STX6	0	1	0	0	0	0	1	0	0	1	3
IGSF6	0	1	0	0	0	0	1	0	0	1	3
NET1	0	1	0	0	0	0	1	0	0	1	3
DNAJA2	0	1	0	0	0	0	1	0	0	1	3
MAEA	0	1	0	0	0	0	1	0	0	1	3
MARCH6	0	1	0	0	0	0	1	0	0	1	3
BPNT1	0	1	0	0	0	0	1	0	0	1	3
SCML2	0	1	0	0	0	0	1	0	0	1	3
CDIPT	0	1	0	0	0	0	1	0	0	1	3
ARIH2	0	1	0	0	0	0	1	0	0	1	3
OLFM1	0	1	0	0	0	0	1	0	0	1	3
COG5	0	1	0	0	0	0	1	0	0	1	3
CHERP	0	1	0	0	0	0	1	0	0	1	3
RPP30	0	1	0	0	0	0	1	0	0	1	3
SLC34A2	0	1	0	0	0	0	1	0	0	1	3
RBCK1	0	1	0	0	0	0	1	0	0	1	3
IGF2BP3	0	1	0	0	0	0	1	0	0	1	3
SCGB1D2	0	1	0	0	0	0	1	0	0	1	3
SCGB1D1	0	1	0	0	0	0	1	0	0	1	3
RAI1	0	1	0	0	0	0	1	0	0	1	3
GRAP	0	1	0	0	0	0	1	0	0	1	3
IQGAP2	0	1	0	0	0	0	1	0	0	1	3
WASF3	0	1	0	0	0	0	1	0	0	1	3
FGL2	0	1	0	0	0	0	1	0	0	1	3

LILRA1	0	1	0	0	0	0	1	0	0	1	3
SLC35D2	0	1	0	0	0	0	1	0	0	1	3
CHD1	0	1	0	0	0	0	1	0	0	1	3
CEP110	0	1	0	0	0	0	1	0	0	1	3
C10orf10	0	1	0	0	0	0	1	0	0	1	3
TMEM115	0	1	0	0	0	0	1	0	0	1	3
HHLA2	0	1	0	0	0	0	1	0	0	1	3
LDB3	0	1	0	0	0	0	1	0	0	1	3
SOX21	0	1	0	0	0	0	1	0	0	1	3
BAZ1A	0	1	0	0	0	0	1	0	0	1	3
MAP4K5	0	1	0	0	0	0	1	0	1	0	3
CHM	0	1	0	0	0	0	1	0	0	1	3
RASSF8	0	1	0	0	0	0	1	0	0	1	3
PRKCDBP	0	1	0	0	0	0	1	0	0	1	3
GLCCI1	0	1	0	0	0	0	1	0	0	1	3
CHRM5	0	1	0	0	0	0	1	0	0	1	3
CHRNA3	0	1	0	0	0	0	1	0	0	1	3
SLC35A4	0	1	0	0	0	0	1	0	0	1	3
TMEM200A	0	1	0	0	0	0	1	0	0	1	3
C1QTNF2	0	1	0	0	0	0	1	0	0	1	3
ZNF501	0	1	0	0	0	0	1	0	0	1	3
DIRC1	0	1	0	0	0	0	1	0	0	1	3
OLFM3	0	1	0	0	0	0	1	0	0	1	3
EXOSC6	0	1	0	0	0	0	1	0	0	1	3
ZNF511	0	1	0	0	0	0	1	0	0	1	3
PIK3AP1	0	1	0	0	0	0	1	0	0	1	3
ANKRD22	0	1	0	0	0	0	1	0	0	1	3
CLIC2	0	1	0	0	0	0	1	0	0	1	3
CYP2R1	0	1	0	0	0	0	1	0	0	1	3
TMEM132D	0	1	0	0	0	0	1	0	0	1	3
SP7	0	1	0	0	0	0	1	0	0	1	3
PPIL5	0	1	0	0	0	0	1	0	1	0	3
ISCA2	0	1	0	0	0	0	1	0	0	1	3
CCR1	0	1	0	0	0	0	1	0	0	1	3
C16orf63	0	1	0	0	0	0	1	0	0	1	3
C16orf55	0	1	0	0	0	0	1	0	0	1	3
ADH1B	0	1	0	0	0	0	1	0	0	1	3
RNF19B	0	1	0	0	0	0	0	0	1	1	3
TATDN3	0	1	0	0	0	0	1	0	0	1	3
ZNF831	0	1	0	0	0	0	1	0	0	1	3
COL4A5	0	1	0	0	0	0	1	0	0	1	3

COL10A1	0	1	0	0	0	0	1	0	0	1	3
ICA1L	0	1	0	0	0	0	1	0	0	1	3
DKFZp667G2110	0	1	0	0	0	0	1	0	0	1	3
ENPP6	0	1	0	0	0	0	1	1	0	0	3
LOC136242	0	1	0	0	0	0	1	0	0	1	3
ZNF572	0	1	0	0	0	0	1	0	0	1	3
HDX	0	1	0	0	0	0	1	0	0	1	3
TRPM6	0	1	0	0	0	0	1	0	0	1	3
TRUB1	0	1	0	0	0	0	1	0	0	1	3
LYSMD4	0	1	0	0	0	0	1	0	0	1	3
FAM81A	0	1	0	0	0	0	1	0	0	1	3
ZFP90	0	1	0	0	0	0	1	0	0	1	3
UNC45B	0	1	0	0	0	0	1	0	0	1	3
ZNF480	0	1	0	0	0	0	1	0	0	1	3
CSTF3	0	1	0	0	0	0	1	0	0	1	3
ZNF582	0	1	0	0	0	0	1	0	0	1	3
ZNF681	0	1	0	0	0	0	1	0	0	1	3
SLC35F3	0	1	0	0	0	0	1	0	0	1	3
HFE2	0	1	0	0	0	0	1	0	0	1	3
C1orf76	0	1	0	0	0	0	1	0	0	1	3
MFSD4	0	1	0	0	0	0	1	0	0	1	3
SLC30A7	0	1	0	0	0	0	1	0	0	1	3
DNAJB7	0	1	0	0	0	0	1	0	0	1	3
SMYD1	0	1	0	0	0	0	1	0	0	1	3
ALS2CR13	0	1	0	0	0	0	1	0	0	1	3
CTSE	0	1	0	0	0	0	1	0	0	1	3
BTLA	0	1	0	0	0	0	1	0	0	1	3
ZCWPW2	0	1	0	0	0	0	1	0	0	1	3
CMTM8	0	1	0	0	0	0	1	0	0	1	3
DAB2IP	0	1	0	0	0	0	1	0	1	0	3
SPINK5L3	0	1	0	0	0	0	1	0	0	1	3
TMEM161B	0	1	0	0	0	0	1	0	0	1	3
CYBB	0	1	0	0	0	0	1	0	0	1	3
ARSK	0	1	0	0	0	0	1	0	0	1	3
FAM81B	0	1	0	0	0	0	1	0	0	1	3
CYP1B1	0	1	0	0	0	0	1	0	0	1	3
AMOTL1	0	1	0	0	0	0	1	0	0	1	3
RDH10	0	1	0	0	0	0	1	0	1	0	3
MOSPD2	0	1	0	0	0	0	1	0	0	1	3
CCDC67	0	1	0	0	0	0	1	0	0	1	3

TMTC3	0	1	0	0	0	0	1	0	0	1	3
ZNF564	0	1	0	0	0	0	1	1	0	0	3
ZNF100	0	1	0	0	0	0	1	0	0	1	3
BBS12	0	1	0	0	0	0	1	0	0	1	3
DCLK2	0	1	0	0	0	0	1	0	0	1	3
DCP2	0	1	0	0	0	0	1	0	0	1	3
LIX1	0	1	0	0	0	0	1	0	0	1	3
BMPER	0	1	0	0	0	0	1	0	0	1	3
ADAMTS19	0	1	0	0	0	0	1	0	0	1	3
DSC2	0	1	0	0	0	0	1	0	0	1	3
E2F2	0	1	0	0	0	0	1	0	0	1	3
EDN3	0	1	0	0	0	0	1	0	0	1	3
CELSR3	0	1	0	0	0	0	1	0	0	1	3
EHHADH	0	1	0	0	0	0	1	0	0	1	3
ZNF585A	0	1	0	0	0	0	1	0	0	1	3
ELN	0	1	0	0	0	0	1	0	0	1	3
LOC201229	0	1	0	0	0	0	1	0	0	1	3
RAB12	0	1	0	0	0	0	1	1	0	0	3
FAM116A	0	1	0	0	0	0	1	0	0	1	3
EMX2	0	1	0	0	0	0	1	0	0	1	3
AIM1	0	1	0	0	0	0	1	0	0	1	3
C9orf72	0	1	0	0	0	0	1	0	0	1	3
NRK	0	1	0	0	0	0	1	0	0	1	3
STOM	0	1	0	0	0	0	1	0	0	1	3
ERF	0	1	0	0	0	0	1	0	0	1	3
EXTL2	0	1	0	0	0	0	1	0	0	1	3
FABP2	0	1	0	0	0	0	1	0	0	1	3
FABP7	0	1	0	0	0	0	1	0	0	1	3
ATAD3C	0	1	0	0	0	0	1	0	0	1	3
ZNF25	0	1	0	0	0	0	1	0	0	1	3
PATL1	0	1	0	0	0	0	1	0	0	1	3
ORAOV1	0	1	0	0	0	0	1	0	0	1	3
KIF6	0	1	0	0	0	0	1	0	0	1	3
AOF1	0	1	0	0	0	0	1	0	0	1	3
FCGRT	0	1	0	0	0	0	1	0	0	1	3
KCTD20	0	1	0	0	0	0	1	0	0	1	3
FECH	0	1	0	0	0	0	1	0	0	1	3
ALDH3A2	0	1	0	0	0	0	1	0	0	1	3
CASC3	0	1	0	0	0	0	1	0	0	1	3
PLEKHA6	0	1	0	0	0	0	1	0	0	1	3
INPP5F	0	1	0	0	0	0	1	0	0	1	3

MLXIP	0	1	0	0	0	0	1	0	0	1	3
CLSTN1	0	1	0	0	0	0	1	0	0	1	3
CD93	0	1	0	0	0	0	1	0	0	1	3
RAB18	0	1	0	0	0	0	1	0	0	1	3
RPIA	0	1	0	0	0	0	1	0	0	1	3
RP4-691N24.1	0	1	0	0	0	0	1	0	0	1	3
UNC13A	0	1	0	0	0	0	1	0	0	1	3
ZNF609	0	1	0	0	0	0	1	0	0	1	3
MYCBP2	0	1	0	0	0	0	1	0	0	1	3
ANKLE2	0	1	0	0	0	0	1	0	0	1	3
MLANA	0	1	0	0	0	0	1	0	0	1	3
LPIN1	0	1	0	0	0	0	1	0	0	1	3
DIP2A	0	1	0	0	0	0	0	0	1	1	3
MESDC2	0	1	0	0	0	0	1	1	0	0	3
ARHGEF9	0	1	0	0	0	0	1	0	0	1	3
PLCB1	0	1	0	0	0	0	1	0	0	1	3
FLT4	0	1	0	0	0	0	1	0	1	0	3
CLEC16A	0	1	0	0	0	0	1	0	0	1	3
KIF13B	0	1	0	0	0	0	1	0	0	1	3
C22orf9	0	1	0	0	0	0	1	0	0	1	3
FMR1	0	1	0	0	0	0	1	0	0	1	3
RPGRIP1L	0	1	0	0	0	0	1	0	0	1	3
DMN	0	1	0	0	0	0	1	0	0	1	3
SMCHD1	0	1	0	0	0	0	1	0	0	1	3
KIAA0841	0	1	0	0	0	0	1	0	0	1	3
NUDCD3	0	1	0	0	0	0	1	0	0	1	3
SIRT3	0	1	0	0	0	0	1	0	0	1	3
ABCB10	0	1	0	0	0	0	1	0	0	1	3
SEC11A	0	1	0	0	0	0	1	0	0	1	3
TTC9	0	1	0	0	0	0	1	0	0	1	3
RPL13A	0	1	0	0	0	0	1	0	0	1	3
TTC33	0	1	0	0	0	0	1	0	0	1	3
TSPAN12	0	1	0	0	0	0	1	0	0	1	3
TMEM50A	0	1	0	0	0	0	1	0	0	1	3
SSBP2	0	1	0	0	0	0	1	0	0	1	3
C9orf5	0	1	0	0	0	0	1	0	0	1	3
OSBP2	0	1	0	0	0	0	1	0	0	1	3
FLRT2	0	1	0	0	0	0	1	0	0	1	3
FXN	0	1	0	0	0	0	1	0	0	1	3
SLC17A8	0	1	0	0	0	0	1	0	0	1	3
ADAM2	0	1	0	0	0	0	1	0	0	1	3

FNDC5	0	1	0	0	0	0	1	0	0	1	3
EBF3	0	1	0	0	0	0	1	0	0	1	3
MSRB3	0	1	0	0	0	0	1	0	0	1	3
FLJ25778	0	1	0	0	0	0	1	0	0	1	3
LRRC57	0	1	0	0	0	0	1	0	0	1	3
COL29A1	0	1	0	0	0	0	1	0	0	1	3
GABRB3	0	1	0	0	0	0	1	0	0	1	3
MAP7D2	0	1	0	0	0	0	1	0	0	1	3
RIPK5	0	1	0	0	0	0	1	0	0	1	3
GCA	0	1	0	0	0	0	1	0	0	1	3
HIGD1A	0	1	0	0	0	0	1	0	0	1	3
FGFR1OP2	0	1	0	0	0	0	1	0	0	1	3
GAS1	0	1	0	0	0	0	1	0	0	1	3
AMD1	0	1	0	0	0	0	1	0	0	1	3
FBXO2	0	1	0	0	0	0	1	0	0	1	3
FBXO25	0	1	0	0	0	0	1	1	0	0	3
MYCBP	0	1	0	0	0	0	1	0	0	1	3
GBAS	0	1	0	0	0	0	1	0	0	1	3
TIMM10	0	1	0	0	0	0	1	0	0	1	3
MYEOV	0	1	0	0	0	0	1	0	0	1	3
NAP1L5	0	1	0	0	0	0	1	0	0	1	3
GHR	0	1	0	0	0	0	1	0	0	1	3
RANBP6	0	1	0	0	0	0	1	0	0	1	3
NBEA	0	1	0	0	0	0	1	0	0	1	3
RNF11	0	1	0	0	0	0	1	0	0	1	3
GJA3	0	1	0	0	0	0	1	0	0	1	3
C1orf107	0	1	0	0	0	0	1	0	0	1	3
STAU2	0	1	0	0	0	0	1	0	0	1	3
BHLHB5	0	1	0	0	0	0	1	0	1	0	3
GLI2	0	1	0	0	0	0	1	0	0	1	3
EML4	0	1	0	0	0	0	1	0	0	1	3
GMFB	0	1	0	0	0	0	1	0	0	1	3
GNAI1	0	1	0	0	0	0	1	0	0	1	3
GNAI3	0	1	0	0	0	0	1	0	0	1	3
GNAZ	0	1	0	0	0	0	1	0	0	1	3
GNRHR	0	1	0	0	0	0	1	0	0	1	3
GPD1	0	1	0	0	0	0	1	0	0	1	3
P4HA3	0	1	0	0	0	0	1	0	0	1	3
ANKRD52	0	1	0	0	0	0	1	0	0	1	3
PIGW	0	1	0	0	0	0	1	0	0	1	3
GDPD1	0	1	0	0	0	0	1	0	0	1	3

ZIK1	0	1	0	0	0	0	1	0	0	1	3
ZNF283	0	1	0	0	0	0	1	0	0	1	3
FLJ40235	0	1	0	0	0	0	1	0	0	1	3
ZNF493	0	1	0	0	0	0	1	0	0	1	3
C3orf64	0	1	0	0	0	0	1	0	0	1	3
LOC285382	0	1	0	0	0	0	1	0	0	1	3
WDR21B	0	1	0	0	0	0	1	0	0	1	3
GRK6	0	1	0	0	0	0	1	0	0	1	3
GRB14	0	1	0	0	0	0	1	0	0	1	3
GRIA3	0	1	0	0	0	0	1	0	0	1	3
GRID1	0	1	0	0	0	0	1	0	0	1	3
GRM7	0	1	0	0	0	0	1	0	0	1	3
CXCL3	0	1	0	0	0	0	1	0	0	1	3
GRSF1	0	1	0	0	0	0	1	0	0	1	3
GTF2I	0	1	0	0	0	0	1	0	0	1	3
CARD10	0	1	0	0	0	0	1	0	0	1	3
GPR171	0	1	0	0	0	0	1	0	0	1	3
NME7	0	1	0	0	0	0	1	0	1	0	3
H1F0	0	1	0	0	0	0	1	0	0	1	3
VSX1	0	1	0	0	0	0	1	0	0	1	3
KCNIP2	0	1	0	0	0	0	1	0	0	1	3
HGF	0	1	0	0	0	0	1	0	0	1	3
MNX1	0	1	0	0	0	0	1	0	0	1	3
HMGB1	0	1	0	0	0	0	1	0	0	1	3
HNRPH1	0	1	0	0	0	0	1	0	0	1	3
HOXB8	0	1	0	0	0	0	1	0	0	1	3
HOXB9	0	1	0	0	0	0	1	0	0	1	3
APEH	0	1	0	0	0	0	1	0	1	0	3
HSPA5	0	1	0	0	0	0	1	0	0	1	3
APLP2	0	1	0	0	0	0	1	0	0	1	3
FOXN2	0	1	0	0	0	0	1	0	0	1	3
HTR1F	0	1	0	0	0	0	1	0	0	1	3
HTR7	0	1	0	0	0	0	1	0	0	1	3
CLEC4D	0	1	0	0	0	0	1	0	0	1	3
FAM19A2	0	1	0	0	0	0	1	0	0	1	3
ZNF260	0	1	0	0	0	0	1	0	0	1	3
SLC35D3	0	1	0	0	0	0	1	0	0	1	3
IDS	0	1	0	0	0	0	1	0	0	1	3
LOC342897	0	1	0	0	0	0	1	0	0	1	3
IFRD1	0	1	0	0	0	0	1	0	0	1	3
RILPL1	0	1	0	0	0	0	1	0	0	1	3

IL12RB2	0	1	0	0	0	0	1	0	0	1	3
FOXK2	0	1	0	0	0	0	1	0	0	1	3
INSIG1	0	1	0	0	0	0	1	0	0	1	3
ITGB3	0	1	0	0	0	0	1	0	0	1	3
ITPKB	0	1	0	0	0	0	1	0	0	1	3
TEPP	0	1	0	0	0	0	1	0	0	1	3
KCNC4	0	1	0	0	0	0	1	0	1	0	3
FAM73A	0	1	0	0	0	0	1	0	0	1	3
RBM43	0	1	0	0	0	0	1	0	0	1	3
RAB15	0	1	0	0	0	0	1	0	0	1	3
KCNJ12	0	1	0	0	0	0	1	0	0	1	3
KCNJ13	0	1	0	0	0	0	1	0	0	1	3
KCNMB1	0	1	0	0	0	0	1	0	0	1	3
KRT2	0	1	0	0	0	0	1	0	0	1	3
KRT5	0	1	0	0	0	0	1	0	0	1	3
RGS9BP	0	1	0	0	0	0	1	0	0	1	3
ZNF470	0	1	0	0	0	0	1	0	0	1	3
FLJ34931	0	1	0	0	0	0	1	0	0	1	3
FLJ41603	0	1	0	0	0	0	1	0	0	1	3
SAMD5	0	1	0	0	0	0	1	0	0	1	3
RBM12B	0	1	0	0	0	0	1	0	0	1	3
ZNF321	0	1	0	0	0	0	1	0	0	1	3
LMO7	0	1	0	0	0	0	1	0	0	1	3
LMX1A	0	1	0	0	0	0	1	0	0	1	3
KLHL31	0	1	0	0	0	0	1	0	0	1	3
LRP2	0	1	0	0	0	0	1	0	0	1	3
MARCKS	0	1	0	0	0	0	1	0	0	1	3
ACCN2	0	1	0	0	0	0	1	0	0	1	3
MAGEA1	0	1	0	0	0	0	1	0	0	1	3
MAGEA5	0	1	0	0	0	0	1	0	0	1	3
ARSB	0	1	0	0	0	0	1	0	0	1	3
MAGEB2	0	1	0	0	0	0	1	0	0	1	3
MAGEB3	0	1	0	0	0	0	1	0	0	1	3
MAGEB4	0	1	0	0	0	0	1	0	0	1	3
MCL1	0	1	0	0	0	0	1	0	0	1	3
ME1	0	1	0	0	0	0	1	0	0	1	3
METTL1	0	1	0	0	0	0	1	0	0	1	3
MITF	0	1	0	0	0	0	1	0	0	1	3
MLLT6	0	1	0	0	0	0	1	0	1	0	3
MMP1	0	1	0	0	0	0	1	0	0	1	3
LOC441108	0	1	0	0	0	0	1	0	0	1	3

FAM47C	0	1	0	0	0	0	1	0	0	1	3
MYO1C	0	1	0	0	0	0	1	0	0	1	3
NAB1	0	1	0	0	0	0	1	0	0	1	3
NDUFAB1	0	1	0	0	0	0	1	0	1	0	3
NMT1	0	1	0	0	0	0	1	0	0	1	3
NT5E	0	1	0	0	0	0	1	0	0	1	3
ATP2B4	0	1	0	0	0	0	1	0	0	1	3
OAT	0	1	0	0	0	0	1	0	0	1	3
CLDN20	0	1	0	0	0	0	1	0	0	1	3
OXTR	0	1	0	0	0	0	1	0	0	1	3
PAFAH1B1	0	1	0	0	0	0	1	0	0	1	3
SLC45A1	0	1	0	0	0	0	1	0	0	1	3
PAPPA	0	1	0	0	0	0	1	1	0	0	3
HDGFRP3	0	1	0	0	0	0	1	0	1	0	3
PDCL	0	1	0	0	0	0	1	0	0	1	3
IMPG2	0	1	0	0	0	0	1	0	0	1	3
NMD3	0	1	0	0	0	0	1	0	0	1	3
CUTC	0	1	0	0	0	0	1	0	1	0	3
RNFT1	0	1	0	0	0	0	1	0	0	1	3
INSIG2	0	1	0	0	0	0	1	0	0	1	3
HSD17B12	0	1	0	0	0	0	1	0	0	1	3
HSD17B11	0	1	0	0	0	0	1	0	0	1	3
PCTK2	0	1	0	0	0	0	1	0	0	1	3
CHCHD8	0	1	0	0	0	0	1	1	0	0	3
TXNDC3	0	1	0	0	0	0	1	0	0	1	3
PDCD2	0	1	0	0	0	0	1	0	0	1	3
ZNF589	0	1	0	0	0	0	1	0	0	1	3
SNX9	0	1	0	0	0	0	1	0	0	1	3
CTDSPL2	0	1	0	0	0	0	1	0	0	1	3
PDE1B	0	1	0	0	0	0	1	0	0	1	3
PPHLN1	0	1	0	0	0	0	1	0	0	1	3
PEX5L	0	1	0	0	0	0	0	0	1	1	3
RAB6B	0	1	0	0	0	0	1	0	0	1	3
PDGFRB	0	1	0	0	0	0	1	0	0	1	3
PPIL1	0	1	0	0	0	0	1	0	0	1	3
GPRC5B	0	1	0	0	0	0	1	0	0	1	3
RAB23	0	1	0	0	0	0	1	0	0	1	3
ERAP1	0	1	0	0	0	0	1	0	0	1	3
ATP5G3	0	1	0	0	0	0	1	0	0	1	3
PEX1	0	1	0	0	0	0	1	0	0	1	3
PFKFB2	0	1	0	0	0	0	1	0	0	1	3

PFKFB4	0	1	0	0	0	0	1	0	0	1	3
PHF2	0	1	0	0	0	0	1	0	0	1	3
PIK3R1	0	1	0	0	0	0	1	0	0	1	3
PITPNA	0	1	0	0	0	0	1	0	0	1	3
PLCB4	0	1	0	0	0	0	1	0	1	0	3
CLIC6	0	1	0	0	0	0	1	0	0	1	3
POLR2D	0	1	0	0	0	0	1	0	0	1	3
ANKIB1	0	1	0	0	0	0	0	0	1	1	3
DGCR8	0	1	0	0	0	0	1	1	0	0	3
APBB1IP	0	1	0	0	0	0	1	0	0	1	3
POU2F2	0	1	0	0	0	0	1	0	0	1	3
MRPL50	0	1	0	0	0	0	1	0	0	1	3
TOMM7	0	1	0	0	0	0	1	0	0	1	3
SGTB	0	1	0	0	0	0	1	0	0	1	3
ATRX	0	1	0	0	0	0	1	0	0	1	3
FAM63B	0	1	0	0	0	0	1	0	0	1	3
MED1	0	1	0	0	0	0	1	0	0	1	3
KIF1A	0	1	0	0	0	0	1	0	0	1	3
SLC6A20	0	1	0	0	0	0	1	0	0	1	3
TMED9	0	1	0	0	0	0	1	0	0	1	3
DNAJB12	0	1	0	0	0	0	1	0	0	1	3
MBTD1	0	1	0	0	0	0	1	0	0	1	3
FAM29A	0	1	0	0	0	0	1	0	0	1	3
KLHL28	0	1	0	0	0	0	1	0	0	1	3
TRPM7	0	1	0	0	0	0	1	0	0	1	3
GIN1	0	1	0	0	0	0	1	0	0	1	3
VPS13C	0	1	0	0	0	0	1	0	0	1	3
SYTL2	0	1	0	0	0	0	1	0	0	1	3
DEF8	0	1	0	0	0	0	1	1	0	0	3
HEATR2	0	1	0	0	0	0	1	0	0	1	3
IMPAD1	0	1	0	0	0	0	1	0	0	1	3
COMMD8	0	1	0	0	0	0	1	0	0	1	3
C1orf56	0	1	0	0	0	0	1	0	0	1	3
ACSM5	0	1	0	0	0	0	1	0	0	1	3
ZNF770	0	1	0	0	0	0	1	0	0	1	3
HERC6	0	1	0	0	0	0	1	0	0	1	3
C14orf119	0	1	0	0	0	0	1	0	0	1	3
PLEKHB2	0	1	0	0	0	0	1	0	0	1	3
C7orf42	0	1	0	0	0	0	0	0	1	1	3
WDR60	0	1	0	0	0	0	1	0	0	1	3
ARHGAP17	0	1	0	0	0	0	1	0	0	1	3

C6orf166	0	1	0	0	0	0	1	0	0	1	3
GOLPH3L	0	1	0	0	0	0	1	0	0	1	3
TMEM57	0	1	0	0	0	0	1	0	0	1	3
PNMAL1	0	1	0	0	0	0	1	0	0	1	3
PANK4	0	1	0	0	0	0	1	0	0	1	3
MCOLN3	0	1	0	0	0	0	1	0	0	1	3
C4orf19	0	1	0	0	0	0	1	0	0	1	3
CCDC91	0	1	0	0	0	0	1	0	0	1	3
CNO	0	1	0	0	0	0	1	0	0	1	3
SYNJ2BP	0	1	0	0	0	0	1	0	0	1	3
LSG1	0	1	0	0	0	0	1	0	0	1	3
STYK1	0	1	0	0	0	0	1	0	0	1	3
C4orf16	0	1	0	0	0	0	1	0	0	1	3
TRPV6	0	1	0	0	0	0	1	0	0	1	3
TRIM36	0	1	0	0	0	0	1	0	0	1	3
FAM48A	0	1	0	0	0	0	1	0	0	1	3
UBE2Q1	0	1	0	0	0	0	1	0	0	1	3
CCDC132	0	1	0	0	0	0	1	0	0	1	3
KIF16B	0	1	0	0	0	0	1	0	0	1	3
AMBRA1	0	1	0	0	0	0	1	0	1	0	3
PRKAB1	0	1	0	0	0	0	1	0	0	1	3
HIF1AN	0	1	0	0	0	0	1	0	0	1	3
MFN1	0	1	0	0	0	0	1	0	1	0	3
ODZ3	0	1	0	0	0	0	1	0	0	1	3
CEP72	0	1	0	0	0	0	1	0	0	1	3
PRKCI	0	1	0	0	0	0	1	0	0	1	3
WWC3	0	1	0	0	0	0	1	0	0	1	3
PKN2	0	1	0	0	0	0	1	0	0	1	3
PRKD1	0	1	0	0	0	0	1	0	0	1	3
WSB2	0	1	0	0	0	0	1	0	0	1	3
NXT2	0	1	0	0	0	0	1	0	0	1	3
MYO5C	0	1	0	0	0	0	1	0	1	0	3
BCAP29	0	1	0	0	0	0	1	0	0	1	3
PDGFC	0	1	0	0	0	0	1	0	0	1	3
PCDHB7	0	1	0	0	0	0	1	0	0	1	3
PRKY	0	1	0	0	0	0	1	0	0	1	3
PRLR	0	1	0	0	0	0	1	0	0	1	3
EIF5A2	0	1	0	0	0	0	1	0	0	1	3
SUCNR1	0	1	0	0	0	0	1	0	0	1	3
SPHK2	0	1	0	0	0	0	1	0	0	1	3
RAD18	0	1	0	0	0	0	1	0	0	1	3

MDM1	0	1	0	0	0	0	1	0	0	1	3
ANKMY2	0	1	0	0	0	0	1	0	0	1	3
JPH2	0	1	0	0	0	0	1	0	0	1	3
ZMIZ1	0	1	0	0	0	0	1	0	0	1	3
KIAA1147	0	1	0	0	0	0	1	1	0	0	3
ATP8B2	0	1	0	0	0	0	1	0	0	1	3
PTGFR	0	1	0	0	0	0	1	0	0	1	3
MRS2	0	1	0	0	0	0	1	0	0	1	3
RAB22A	0	1	0	0	0	0	1	0	0	1	3
CYP20A1	0	1	0	0	0	0	1	0	0	1	3
PTGS1	0	1	0	0	0	0	1	0	0	1	3
ZNF490	0	1	0	0	0	0	1	0	0	1	3
SRGAP1	0	1	0	0	0	0	1	0	0	1	3
KCTD16	0	1	0	0	0	0	1	0	0	1	3
MIB1	0	1	0	0	0	0	1	0	0	1	3
ZNF624	0	1	0	0	0	0	1	0	0	1	3
KLHL14	0	1	0	0	0	0	1	0	0	1	3
ZNF319	0	1	0	0	0	0	1	0	0	1	3
ZNF471	0	1	0	0	0	0	1	0	0	1	3
KIAA1430	0	1	0	0	0	0	1	0	0	1	3
KIAA1622	0	1	0	0	0	0	1	0	0	1	3
PTPRR	0	1	0	0	0	0	1	0	0	1	3
ABCD3	0	1	0	0	0	0	1	0	0	1	3
MS4A7	0	1	0	0	0	0	1	0	0	1	3
BCAT1	0	1	0	0	0	0	1	0	0	1	3
RAB1A	0	1	0	0	0	0	1	0	0	1	3
RAB3IL1	0	1	0	0	0	0	1	0	0	1	3
RAB4A	0	1	0	0	0	0	1	0	0	1	3
RAP1GDS1	0	1	0	0	0	0	1	0	0	1	3
RB1	0	1	0	0	0	0	1	0	0	1	3
PLEKHA2	0	1	0	0	0	0	1	0	0	1	3
KLHL12	0	1	0	0	0	0	1	0	0	1	3
RDX	0	1	0	0	0	0	1	0	0	1	3
RFX4	0	1	0	0	0	0	1	0	0	1	3
RGS1	0	1	0	0	0	0	1	0	0	1	3
SAV1	0	1	0	0	0	0	1	0	0	1	3
FASTKD5	0	1	0	0	0	0	1	0	0	1	3
SMAP1	0	1	0	0	0	0	1	0	0	1	3
BCL9	0	1	0	0	0	0	1	0	0	1	3
RORB	0	1	0	0	0	0	1	0	0	1	3
BCR	0	1	0	0	0	0	1	0	0	1	3

RPL27A	0	1	0	0	0	0	1	0	0	1	3
RREB1	0	1	0	0	0	0	1	0	0	1	3
RSU1	0	1	0	0	0	0	1	0	0	1	3
MAPK12	0	1	0	0	0	0	1	0	0	1	3
SCML1	0	1	0	0	0	0	1	0	0	1	3
SCN4A	0	1	0	0	0	0	1	0	0	1	3
SCN4B	0	1	0	0	0	0	1	0	0	1	3
PBLD	0	1	0	0	0	0	1	0	0	1	3
LRRC4	0	1	0	0	0	0	1	0	0	1	3
C10orf54	0	1	0	0	0	0	1	0	0	1	3
ABCG5	0	1	0	0	0	0	1	0	0	1	3
LMBR1	0	1	0	0	0	0	1	0	0	1	3
NFKBIZ	0	1	0	0	0	0	1	0	0	1	3
MMP25	0	1	0	0	0	0	1	0	0	1	3
GREM2	0	1	0	0	0	0	1	0	0	1	3
SFTPB	0	1	0	0	0	0	1	1	0	0	3
GPR135	0	1	0	0	0	0	1	0	0	1	3
UNKL	0	1	0	0	0	0	1	0	0	1	3
C6orf106	0	1	0	0	0	0	1	0	0	1	3
IQCH	0	1	0	0	0	0	1	0	0	1	3
CDCP1	0	1	0	0	0	0	1	1	0	0	3
RANBP17	0	1	0	0	0	0	1	0	0	1	3
MRPL34	0	1	0	0	0	0	1	0	0	1	3
SMTN	0	1	0	0	0	0	1	0	1	0	3
SLC8A1	0	1	0	0	0	0	1	0	0	1	3
SLC9A2	0	1	0	0	0	0	1	0	0	1	3
SLC16A1	0	1	0	0	0	0	1	0	0	1	3
SNAI2	0	1	0	0	0	0	1	0	0	1	3
SNAPC1	0	1	0	0	0	0	1	0	0	1	3
SOAT1	0	1	0	0	0	0	1	0	0	1	3
SOX11	0	1	0	0	0	0	1	0	0	1	3
SSTR2	0	1	0	0	0	0	1	0	0	1	3
STAU1	0	1	0	0	0	0	1	0	0	1	3
STK10	0	1	0	0	0	0	1	0	0	1	3
MED22	0	1	0	0	0	0	1	0	0	1	3
BTC	0	1	0	0	0	0	1	0	0	1	3
SYPL1	0	1	0	0	0	0	1	0	0	1	3
SYT4	0	1	0	0	0	0	1	0	0	1	3
TACC1	0	1	0	0	0	0	1	0	0	1	3
TAF2	0	1	0	0	0	0	1	0	0	1	3
TAF4B	0	1	0	0	0	0	1	0	0	1	3

TAF7	0	1	0	0	0	0	1	0	0	1	3
TEF	0	1	0	0	0	0	1	0	0	1	3
THBS1	0	1	0	0	0	0	1	0	0	1	3
THBS2	0	1	0	0	0	0	1	0	0	1	3
TIAM1	0	1	0	0	0	0	1	0	1	0	3
TNNI1	0	1	0	0	0	0	1	0	0	1	3
TNP1	0	1	0	0	0	0	1	0	0	1	3
TRAF5	0	1	0	0	0	0	1	0	0	1	3
TUFT1	0	1	0	0	0	0	1	0	0	1	3
TULP3	0	1	0	0	0	0	1	0	0	1	3
UBE2E1	0	1	0	0	0	0	1	0	0	1	3
UBE2L3	0	1	0	0	0	0	1	0	0	1	3
UGDH	0	1	0	0	0	0	1	0	0	1	3
VSNL1	0	1	0	0	0	0	1	0	0	1	3
WNT5A	0	1	0	0	0	0	1	0	0	1	3
YY1	0	1	0	0	0	0	1	0	0	1	3
ZFP161	0	1	0	0	0	0	1	0	0	1	3
ZNF12	0	1	0	0	0	0	1	0	0	1	3
ZNF33A	0	1	0	0	0	0	1	0	0	1	3
TRIM25	0	1	0	0	0	0	1	0	0	1	3
ZNF180	0	1	0	0	0	0	1	0	0	1	3
ZNF192	0	1	0	0	0	0	1	0	0	1	3
CACNA1E	0	1	0	0	0	0	1	0	0	1	3
ZNF228	0	1	0	0	0	0	1	0	0	1	3
ZNF230	0	1	0	0	0	0	1	0	0	1	3
LAPTM5	0	1	0	0	0	0	1	0	0	1	3
BTG2	0	1	0	0	0	0	1	0	0	1	3
PXDN	0	1	0	0	0	0	1	0	0	1	3
AHNAK	0	1	0	0	0	0	1	0	0	1	3
ALDH5A1	0	1	0	0	0	0	1	0	0	1	3
MFSD11	0	1	0	0	0	0	1	0	0	1	3
BRCC3	0	1	0	0	0	0	1	0	0	1	3
ZBED2	0	1	0	0	0	0	1	0	0	1	3
RNF219	0	1	0	0	0	0	1	0	0	1	3
ADIPOR2	0	1	0	0	0	0	1	0	0	1	3
C5orf23	0	1	0	0	0	0	1	0	0	1	3
VTCN1	0	1	0	0	0	0	1	0	0	1	3
C22orf29	0	1	0	0	0	0	1	0	0	1	3
MANEA	0	1	0	0	0	0	1	0	0	1	3
GLT25D1	0	1	0	0	0	0	1	0	0	1	3
MAFK	0	1	0	0	0	0	1	0	0	1	3

SNIP1	0	1	0	0	0	0	1	0	0	1	3
MOBKL2B	0	1	0	0	0	0	1	0	0	1	3
C13orf34	0	1	0	0	0	0	1	0	0	1	3
L2HGDH	0	1	0	0	0	0	1	0	0	1	3
CALD1	0	1	0	0	0	0	1	0	0	1	3
FLJ13611	0	1	0	0	0	0	1	0	0	1	3
C12orf30	0	1	0	0	0	0	1	0	0	1	3
SEMA6D	0	1	0	0	0	0	1	0	0	1	3
SIKE	0	1	0	0	0	0	1	0	0	1	3
FUZ	0	1	0	0	0	0	1	0	0	1	3
NUBPL	0	1	0	0	0	0	1	0	0	1	3
CEP63	0	1	0	0	0	0	1	0	0	1	3
PDGFD	0	1	0	0	0	0	1	0	0	1	3
LRRC27	0	1	0	0	0	0	1	0	0	1	3
DNAJC5	0	1	0	0	0	0	1	1	0	0	3
WDR61	0	1	0	0	0	0	1	0	0	1	3
PDHX	0	1	0	0	0	0	1	0	0	1	3
TSGA10	0	1	0	0	0	0	1	0	1	0	3
AKNA	0	1	0	0	0	0	1	0	0	1	3
KIAA1712	0	1	0	0	0	0	1	0	0	1	3
EEPD1	0	1	0	0	0	0	1	1	0	0	3
JHDM1D	0	1	0	0	0	0	1	0	0	1	3
SETD7	0	1	0	0	0	0	1	0	0	1	3
GJA9	0	1	0	0	0	0	1	0	0	1	3
CALR	0	1	0	0	0	0	1	0	0	1	3
TXNDC1	0	1	0	0	0	0	1	0	0	1	3
FAM130A1	0	1	0	0	0	0	1	0	0	1	3
CAB39L	0	1	0	0	0	0	1	0	0	1	3
DIAPH3	0	1	0	0	0	0	1	0	0	1	3
TMEM49	0	1	0	0	0	0	1	0	1	0	3
ISCA1	0	1	0	0	0	0	1	0	0	1	3
SFXN3	0	1	0	0	0	0	1	0	0	1	3
ACOX3	0	1	0	0	0	0	1	0	0	1	3
HSDL1	0	1	0	0	0	0	1	0	0	1	3
NRIP2	0	1	0	0	0	0	1	1	0	0	3
ITCH	0	1	0	0	0	0	1	0	0	1	3
BCDO2	0	1	0	0	0	0	1	0	0	1	3
SLC25A2	0	1	0	0	0	0	1	0	0	1	3
CTTNBP2	0	1	0	0	0	0	1	0	0	1	3
KREMEN1	0	1	0	0	0	0	1	0	0	1	3
ARID5B	0	1	0	0	0	0	1	0	0	1	3

MLSTD2	0	1	0	0	0	0	1	0	0	1	3
NBPF3	0	1	0	0	0	0	1	0	0	1	3
MGC3207	0	1	0	0	0	0	1	0	0	1	3
C12orf31	0	1	0	0	0	0	1	0	0	1	3
HPS3	0	1	0	0	0	0	1	0	0	1	3
ZNF528	0	1	0	0	0	0	1	0	0	1	3
KIAA1804	0	1	0	0	0	0	1	0	0	1	3
PHYHIPL	0	1	0	0	0	0	1	0	0	1	3
SLC12A8	0	1	0	0	0	0	1	0	0	1	3
TPST2	0	1	0	0	0	0	1	0	0	1	3
CASR	0	1	0	0	0	0	1	0	0	1	3
TRIM55	0	1	0	0	0	0	1	0	1	0	3
CNDP1	0	1	0	0	0	0	1	0	0	1	3
ZNF577	0	1	0	0	0	0	1	1	0	0	3
TXNDC17	0	1	0	0	0	0	1	0	0	1	3
RNFT2	0	1	0	0	0	0	1	0	0	1	3
NDST2	0	1	0	0	0	0	1	0	0	1	3
ZCCHC3	0	1	0	0	0	0	1	0	0	1	3
C4orf35	0	1	0	0	0	0	1	0	0	1	3
ZC3H12C	0	1	0	0	0	0	1	0	0	1	3
GFM1	0	1	0	0	0	0	1	0	0	1	3
CDS2	0	1	0	0	0	0	1	0	0	1	3
NRP1	0	1	0	0	0	0	1	0	0	1	3
CD84	0	1	0	0	0	0	1	0	0	1	3
SOCS2	0	1	0	0	0	0	1	0	0	1	3
ARHGEF7	0	1	1	0	0	0	0	0	0	1	3
AP1S2	0	1	0	0	0	0	1	0	0	1	3
GAL3ST3	0	1	0	0	0	0	1	0	0	1	3
NAV2	0	1	0	0	0	0	1	0	0	1	3
AQP10	0	1	0	0	0	0	1	0	0	1	3
TRPA1	0	1	0	0	0	0	1	0	0	1	3
ATPBD4	0	1	0	0	0	0	1	0	0	1	3
SOCS3	0	1	0	0	0	0	1	0	0	1	3
CH25H	0	1	0	0	0	0	1	0	0	1	3
BMF	0	1	0	0	0	0	1	0	0	1	3
N4BP2L1	0	1	0	0	0	0	1	0	0	1	3
CLDN12	0	1	0	0	0	0	1	0	0	1	3
ANGEL2	0	1	0	0	0	0	1	0	0	1	3
EIF1AY	0	1	0	0	0	0	1	0	0	1	3
DNAJA3	0	1	0	0	0	0	1	0	0	1	3
CCDC34	0	1	0	0	0	0	1	0	0	1	3

SLC16A4	0	1	0	0	0	0	1	0	0	1	3
FAM44B	0	1	0	0	0	0	1	0	0	1	3
RABEP1	0	1	0	0	0	0	1	0	0	1	3
LOC91461	0	1	0	0	0	0	1	0	0	1	3
RSAD2	0	1	0	0	0	0	1	0	0	1	3
ZNF830	0	1	0	0	0	0	1	0	0	1	3
NEXN	0	1	0	0	0	0	1	0	1	0	3
KIAA1919	0	1	0	0	0	0	1	0	0	1	3
CHMP7	0	1	0	0	0	0	1	0	0	1	3
MYLK3	0	1	0	0	0	0	1	0	0	1	3
UBTD2	0	1	0	0	0	0	1	0	0	1	3
MAGI1	0	1	0	0	0	0	1	0	0	1	3
ZNF461	0	1	0	0	0	0	1	0	0	1	3
MEX3A	0	1	0	0	0	0	1	0	0	1	3
CCDC64	0	1	0	0	0	0	1	0	0	1	3
STK17A	0	1	0	0	0	0	1	0	0	1	3
GPR37L1	0	1	0	0	0	0	1	0	0	1	3
EDG5	0	1	0	0	0	0	1	0	0	1	3
SOCS6	0	1	0	0	0	0	1	0	0	1	3
MMP20	0	1	0	0	0	0	1	0	0	1	3
B4GALT5	0	1	0	0	0	0	1	0	0	1	3
TMEM32	0	1	0	0	0	0	1	0	0	1	3
ZNF670	0	1	0	0	0	0	1	0	0	1	3
HSPC105	0	1	0	0	0	0	1	0	0	1	3
UBE4A	0	1	0	0	0	0	1	0	0	1	3
CD28	0	1	0	0	0	0	1	0	0	1	3
TTYH2	0	1	0	0	0	0	1	1	0	0	3
MAP4K4	0	1	0	0	0	0	1	0	0	1	3
LY86	0	1	0	0	0	0	1	0	0	1	3
FHL5	0	1	0	0	0	0	1	0	0	1	3
PSMF1	0	1	0	0	0	0	1	0	0	1	3
SPTLC2	0	1	0	0	0	0	1	1	0	0	3
CD47	0	1	0	0	0	0	1	0	0	1	3
RGS6	0	1	0	0	0	0	1	0	0	1	3
FEZ1	0	1	0	0	0	0	1	0	0	1	3
N4BP1	0	1	0	0	0	0	1	0	0	1	3
CLINT1	0	1	0	0	0	0	1	0	0	1	3
RAPGEF2	0	1	0	0	0	0	1	0	0	1	3
ZNF536	0	1	0	0	0	0	1	0	0	1	3
HDAC4	0	1	0	0	0	0	1	0	0	1	3
KIAA0101	0	1	0	0	0	0	1	0	0	1	3

TM9SF4	0	1	0	0	0	0	1	0	0	1	3
RIMS3	0	1	0	0	0	0	1	0	0	1	3
MTSS1	0	1	0	0	0	0	1	0	0	1	3
TOMM20	0	1	0	0	0	0	1	0	0	1	3
KIAA0753	0	1	0	0	0	0	1	0	0	1	3
KIAA0644	0	1	0	0	0	0	1	0	0	1	3
DENND4B	0	1	0	0	0	0	1	0	1	0	3
FAM20B	0	1	0	0	0	0	1	0	0	1	3
MAFB	0	1	0	0	0	0	1	0	0	1	3
AMMECR1	0	1	0	0	0	0	1	0	0	1	3
USP15	0	1	0	0	0	0	1	0	0	1	3
MED13	0	1	0	0	0	0	1	0	0	1	3
ANUBL1	0	0	1	0	0	0	1	0	0	1	3
PDHB	0	0	0	0	0	0	1	0	1	1	3
MED29	0	0	0	0	0	0	1	1	0	1	3
FGB	0	0	0	0	0	0	1	0	1	1	3
PLXNA4	0	0	0	0	0	0	1	1	0	1	3
MFN2	0	0	0	0	0	0	1	1	0	1	3
ACSL3	0	0	0	0	0	0	1	0	1	1	3
MEF2D	0	0	0	0	0	0	1	1	0	1	3
ABCC3	0	0	0	0	0	0	1	1	1	0	3
HMGCR	0	0	0	0	0	0	1	1	1	0	3
NPLOC4	0	0	0	0	0	0	1	1	0	1	3
FGF23	0	0	0	0	0	0	1	1	0	1	3
NFX1	0	0	0	0	0	0	1	0	1	1	3
CCDC88A	0	0	0	0	0	0	1	1	0	1	3
LARP6	0	0	0	0	0	0	1	1	1	0	3
DEPDC1B	0	0	0	0	0	0	1	0	1	1	3
FZD5	0	0	0	0	0	0	1	1	0	1	3
PURA	0	0	0	0	0	0	1	1	1	0	3
CAPN7	0	0	0	0	0	0	1	1	0	1	3
HHAT	0	0	0	0	0	0	1	1	0	1	3
TRAM2	0	0	0	0	0	0	1	1	0	1	3
ERC1	0	0	0	0	0	0	1	1	0	1	3
PLS3	0	0	0	0	0	0	1	0	1	1	3
MLL4	0	0	0	0	0	0	1	0	1	1	3
UBTF	0	0	0	0	0	0	1	1	0	1	3
CES3	0	0	0	0	0	0	1	1	0	1	3
DIO3	0	0	0	0	0	0	1	1	0	1	3
SEMA3A	0	0	0	0	0	0	1	0	1	1	3
CCDC146	0	0	0	0	0	0	0	1	1	1	3

HDHD2	0	0	0	0	0	0	0	1	1	1	3
PDCD6	0	1	0	1	0	0	0	0	0	0	2
HCN4	0	1	0	1	0	0	0	0	0	0	2
HMG2L1	0	0	0	1	0	0	0	0	0	1	2
HMG2L1	0	0	0	1	0	0	0	0	0	1	2
SH2D3C	1	0	0	1	0	0	0	0	0	0	2
SMC4	1	0	0	1	0	0	0	0	0	0	2
GPC6	0	1	0	1	0	0	0	0	0	0	2
SGK2	1	0	0	1	0	0	0	0	0	0	2
AKAP9	1	0	0	1	0	0	0	0	0	0	2
CDH17	0	1	0	1	0	0	0	0	0	0	2
ODZ1	1	0	0	1	0	0	0	0	0	0	2
PAK4	0	0	0	1	0	0	0	0	0	1	2
B3GALT5	0	0	0	1	0	0	0	0	0	1	2
B3GALT5	0	0	0	1	0	0	0	0	0	1	2
MRVI1	0	1	0	1	0	0	0	0	0	0	2
ADARB1	0	0	0	1	0	0	0	0	0	1	2
CDS1	0	1	0	1	0	0	0	0	0	0	2
SEC24B	1	0	0	1	0	0	0	0	0	0	2
RBM14	0	1	0	1	0	0	0	0	0	0	2
VAV3	1	0	0	1	0	0	0	0	0	0	2
CAP1	1	0	0	1	0	0	0	0	0	0	2
TACC2	0	1	0	1	0	0	0	0	0	0	2
ERLIN1	1	0	0	1	0	0	0	0	0	0	2
RAD51AP1	1	0	0	1	0	0	0	0	0	0	2
MTX2	0	0	0	1	0	0	0	0	0	1	2
KLRA1	0	0	0	1	0	0	0	0	0	1	2
ZNF271	0	0	0	1	0	0	0	0	0	1	2
ZNF271	0	0	0	1	0	0	0	0	0	1	2
WDR4	1	0	0	1	0	0	0	0	0	0	2
SFRS2B	0	1	0	1	0	0	0	0	0	0	2
C11orf58	0	1	0	1	0	0	0	0	0	0	2
AP3M2	0	0	0	1	0	0	0	0	0	1	2
LILRB3	0	0	0	1	0	0	0	0	0	1	2
MID2	0	1	0	1	0	0	0	0	0	0	2
DDX52	0	0	0	1	0	0	0	0	0	1	2
WWP1	0	0	0	1	0	0	0	0	0	1	2
ZWINT	1	0	0	1	0	0	0	0	0	0	2
INMT	0	1	0	1	0	0	0	0	0	0	2
CHKB	0	0	0	1	0	0	0	0	0	1	2
RNF24	0	0	0	1	0	0	0	0	0	1	2

RNF24	0	0	0	1	0	0	0	0	0	1	2
CHN2	1	0	0	1	0	0	0	0	0	0	2
KLF8	0	1	0	1	0	0	0	0	0	0	2
MED8	0	0	0	1	1	0	0	0	0	0	2
RNF13	0	0	0	1	0	0	0	0	0	1	2
RNF13	0	0	0	1	0	0	0	0	0	1	2
PALM2	0	0	0	1	0	0	0	0	0	1	2
PWWP2A	0	0	0	1	0	0	0	0	0	1	2
FHAD1	0	1	0	1	0	0	0	0	0	0	2
C1QTNF3	1	0	0	1	0	0	0	0	0	0	2
CIDEA	1	0	0	1	0	0	0	0	0	0	2
CIDEA	0	1	0	1	0	0	0	0	0	0	2
FAM122A	0	1	0	1	0	0	0	0	0	0	2
CENTD1	0	0	0	1	0	0	0	0	0	1	2
GALNTL2	0	1	0	1	0	0	0	0	0	0	2
CCR3	0	0	0	1	0	0	0	0	0	1	2
CCR6	1	0	0	1	0	0	0	0	0	0	2
C18orf19	0	1	0	1	0	0	0	0	0	0	2
C18orf37	1	0	0	1	0	0	0	0	0	0	2
IRGQ	0	1	0	1	0	0	0	0	0	0	2
C19orf28	0	1	0	1	0	0	0	0	0	0	2
FLJ44379	0	1	0	1	0	0	0	0	0	0	2
LIN54	1	0	0	1	0	0	0	0	0	0	2
LIN54	1	0	0	1	0	0	0	0	0	0	2
STXBP5	0	1	0	1	0	0	0	0	0	0	2
NCOA7	0	0	0	1	0	0	0	0	0	1	2
SRrp35	0	1	0	1	0	0	0	0	0	0	2
COX15	0	1	0	1	0	0	0	0	0	0	2
COX15	0	1	0	1	0	0	0	0	0	0	2
CPB2	0	1	0	1	0	0	0	0	0	0	2
CPT1A	0	1	0	1	0	0	0	0	0	0	2
VPS37A	0	1	0	1	0	0	0	0	0	0	2
CPT1B	0	0	0	1	0	0	0	0	0	1	2
CREM	1	0	0	1	0	0	0	0	0	0	2
CREM	1	0	0	1	0	0	0	0	0	0	2
CREM	1	0	0	1	0	0	0	0	0	0	2
CREM	1	0	0	1	0	0	0	0	0	0	2
CREM	1	0	0	1	0	0	0	0	0	0	2
CREM	1	0	0	1	0	0	0	0	0	0	2
CREM	1	0	0	1	0	0	0	0	0	0	2
HAPLN1	0	1	0	1	0	0	0	0	0	0	2

ASB7	0	1	0	1	0	0	0	0	0	0	2
MYO3B	1	0	0	1	0	0	0	0	0	0	2
C20orf112	0	1	0	1	0	0	0	0	0	0	2
SIRPA	1	0	0	1	0	0	0	0	0	0	2
SIRPA	1	0	0	1	0	0	0	0	0	0	2
DNHD1	1	0	0	1	0	0	0	0	0	0	2
WDR66	0	1	0	1	0	0	0	0	0	0	2
B3GALTL	0	1	0	1	0	0	0	0	0	0	2
VCAN	0	1	0	1	0	0	0	0	0	0	2
TOM1L2	0	0	0	1	0	0	0	0	0	1	2
CTH	1	0	0	1	0	0	0	0	0	0	2
CCDC17	0	0	0	1	0	0	0	0	0	1	2
CTNND1	0	0	0	1	0	0	0	0	0	1	2
CTNND1	0	0	0	1	0	0	0	0	0	1	2
CTNND1	0	0	0	1	0	0	0	0	0	1	2
CTNND1	0	0	0	1	0	0	0	0	0	1	2
CTNND1	0	0	0	1	0	0	0	0	0	1	2
NFAM1	0	1	0	1	0	0	0	0	0	0	2
TTC30B	0	1	0	1	0	0	0	0	0	0	2
ZNF385B	1	0	0	1	0	0	0	0	0	0	2
ZNF385B	1	0	0	1	0	0	0	0	0	0	2
FAM119A	0	0	0	1	0	0	0	0	0	1	2
SGOL2	0	1	0	1	0	0	0	0	0	0	2
CCDC50	0	1	0	1	0	0	0	0	0	0	2
CCDC112	1	0	0	1	0	0	0	0	0	0	2
RUNDC3B	0	1	0	1	0	0	0	0	0	0	2
RPESP	0	1	0	1	0	0	0	0	0	0	2
CYP26A1	0	0	0	1	0	0	0	0	0	1	2
DACH1	1	0	0	1	0	0	0	0	0	0	2
DACH1	1	0	0	1	0	0	0	0	0	0	2
CLEC12A	0	0	0	1	0	0	0	0	0	1	2
DGKB	0	1	0	1	0	0	0	0	0	0	2
DAXX	1	0	0	1	0	0	0	0	0	0	2
DDX5	0	1	0	1	0	0	0	0	0	0	2
AES	0	0	0	1	0	0	0	0	0	1	2
PSORS1C1	0	1	0	1	0	0	0	0	0	0	2
DIO2	0	0	0	1	0	0	0	0	0	1	2
ACAN	0	0	0	1	0	0	0	0	0	1	2
TRDMT1	0	0	0	1	0	0	0	0	0	1	2
TRDMT1	0	0	0	1	0	0	0	0	0	1	2
DPP6	0	0	0	1	0	0	0	0	0	1	2

AGTR1	0	0	0	1	0	0	0	0	0	1	2
AGTR1	0	0	0	1	0	0	0	0	0	1	2
E2F5	0	0	0	1	0	0	0	0	0	1	2
EDA	1	0	0	1	0	0	0	0	0	0	2
EDNRB	1	0	0	1	0	0	0	0	0	0	2
FAM76A	1	0	0	1	0	0	0	0	0	0	2
SLC39A11	1	0	0	1	0	0	0	0	0	0	2
EMP2	0	1	0	1	0	0	0	0	0	0	2
ESRRG	1	0	0	1	0	0	0	0	0	0	2
ESRRG	1	0	0	1	0	0	0	0	0	0	2
EXT2	0	0	0	1	0	0	0	0	0	1	2
FANCF	0	1	0	1	0	0	0	0	0	0	2
UNC5B	0	1	0	1	0	0	0	0	0	0	2
DOK6	0	1	0	1	0	0	0	0	0	0	2
OPN5	0	0	0	1	0	0	0	0	0	1	2
FKTN	0	0	0	1	0	0	0	0	0	1	2
C10orf30	0	1	0	1	0	0	0	0	0	0	2
FGF9	0	1	0	1	0	0	0	0	0	0	2
ICK	1	0	0	1	0	0	0	0	0	0	2
RUFY3	0	1	0	1	0	0	0	0	0	0	2
LIMCH1	0	0	0	1	0	0	0	0	0	1	2
LIMCH1	0	0	0	1	0	0	0	0	0	1	2
LIMCH1	0	0	0	1	0	0	0	0	0	1	2
LIMCH1	0	0	0	1	0	0	0	0	0	1	2
WDFY3	0	0	0	1	0	0	0	0	0	1	2
TMCC1	0	0	0	1	0	0	0	0	0	1	2
XPO7	0	0	0	1	0	0	0	0	0	1	2
XPO7	0	0	0	1	0	0	0	0	0	1	2
PEG10	0	0	0	1	0	0	0	0	0	1	2
GARNL4	0	0	0	1	0	0	0	0	0	1	2
FBXO28	0	1	0	1	0	0	0	0	0	0	2
IQCE	0	0	0	1	0	0	0	0	0	1	2
SF3B3	0	1	0	1	0	0	0	0	0	0	2
ABCA5	0	1	0	1	0	0	0	0	0	0	2
CBX5	0	1	0	1	0	0	0	0	0	0	2
NNT	0	0	0	1	0	0	0	0	0	1	2
DDAH1	0	0	0	1	0	0	0	0	0	1	2
FPRL1	0	0	0	1	0	0	0	0	0	1	2
PATZ1	0	1	0	1	0	0	0	0	0	0	2
RUSC1	0	0	0	1	0	0	0	0	0	1	2
RUSC1	0	0	0	1	0	0	0	0	0	1	2

RUSC1	0	0	0	1	0	0	0	0	0	1	2
GAB1	0	1	0	1	0	0	0	0	0	0	2
MFSD8	0	1	0	1	0	0	0	0	0	0	2
KLK5	1	0	0	1	0	0	0	0	0	0	2
KLK5	1	0	0	1	0	0	0	0	0	0	2
ARIH1	0	1	0	1	0	0	0	0	0	0	2
PRDX5	1	0	0	1	0	0	0	0	0	0	2
PRDX5	1	0	0	1	0	0	0	0	0	0	2
GALK2	1	0	0	1	0	0	0	0	0	0	2
RCHY1	1	0	0	1	0	0	0	0	0	0	2
IFFO	0	0	0	1	0	0	0	0	0	1	2
SFRS18	0	0	0	1	0	0	0	0	0	1	2
TMEM87A	0	1	0	1	0	0	0	0	0	0	2
LOC26010	0	0	0	1	0	0	0	0	0	1	2
LOC26010	0	0	0	1	0	0	0	0	0	1	2
LOC26010	0	0	0	1	0	0	0	0	0	1	2
SETBP1	0	1	0	1	0	0	0	0	0	0	2
GIGYF2	0	0	0	1	0	0	0	0	0	1	2
GIGYF2	0	0	0	1	0	0	0	0	0	1	2
GIGYF2	0	0	0	1	0	0	0	0	0	1	2
SGEF	0	1	0	1	0	0	0	0	0	0	2
HERC4	1	0	0	1	0	0	0	0	0	0	2
TTLL3	0	0	0	1	0	0	0	0	0	1	2
FBXL5	0	0	0	1	0	0	0	0	0	1	2
FBXO24	1	0	0	1	0	0	0	0	0	0	2
GFPT1	0	1	0	1	0	0	0	0	0	0	2
GFRA1	0	0	0	1	0	0	0	0	0	1	2
ABL2	0	0	0	1	0	0	0	0	0	1	2
EIF2AK1	0	0	0	1	0	0	0	0	0	1	2
CECR2	0	0	0	1	0	0	0	0	0	1	2
GNAO1	0	1	0	1	0	0	0	0	0	0	2
GNAO1	0	1	0	1	0	0	0	0	0	0	2
GNAT1	0	1	0	1	0	0	0	0	0	0	2
GNAT1	0	1	0	1	0	0	0	0	0	0	2
SLCO3A1	0	1	0	1	0	0	0	0	0	0	2
GLT8D3	0	0	0	1	0	0	0	0	0	1	2
LYPD5	0	0	0	1	0	0	0	0	0	1	2
ZNF621	1	0	0	1	0	0	0	0	0	0	2
C9orf126	0	1	0	1	0	0	0	0	0	0	2
MRPL42	1	0	0	1	0	0	0	0	0	0	2
MRPL42	1	0	0	1	0	0	0	0	0	0	2

MCTS1	0	1	0	1	0	0	0	0	0	0	2
HIPK2	0	0	0	1	0	0	0	0	0	1	2
GRIN2A	1	0	0	1	0	0	0	0	0	0	2
MRPL22	0	1	0	1	0	0	0	0	0	0	2
TAGLN3	1	0	0	1	0	0	0	0	0	0	2
TAGLN3	1	0	0	1	0	0	0	0	0	0	2
RACGAP1	1	0	0	1	0	0	0	0	0	0	2
RACGAP1	1	0	0	1	0	0	0	0	0	0	2
GRM8	0	1	0	1	0	0	0	0	0	0	2
GSK3B	0	1	0	1	0	0	0	0	0	0	2
ALG6	0	1	0	1	0	0	0	0	0	0	2
SH3KBP1	1	0	0	1	0	0	0	0	0	0	2
HBD	0	1	0	1	0	0	0	0	0	0	2
EMR2	0	0	0	1	0	0	0	0	0	1	2
EMR2	0	0	0	1	0	0	0	0	0	1	2
ANXA6	0	0	0	1	0	0	0	0	0	1	2
UBE2K	0	0	0	1	0	0	0	0	0	1	2
EIF4E3	1	0	0	1	0	0	0	0	0	0	2
EIF4E3	1	0	0	1	0	0	0	0	0	0	2
HNRNPC	0	0	0	1	0	0	0	0	0	1	2
HNRNPC	0	0	0	1	0	0	0	0	0	1	2
APBA1	0	1	0	1	0	0	0	0	0	0	2
PRMT2	0	0	0	1	0	0	0	0	0	1	2
CHSY3	0	1	0	1	0	0	0	0	0	0	2
IGFBP3	1	0	0	1	0	0	0	0	0	0	2
FAS	0	0	0	1	0	0	0	0	0	1	2
FAS	0	0	0	1	0	0	0	0	0	1	2
FAS	0	0	0	1	0	0	0	0	0	1	2
FAS	0	0	0	1	0	0	0	0	0	1	2
AQP4	0	0	0	1	0	0	0	0	0	1	2
ING1	1	0	0	1	0	0	0	0	0	0	2
ING1	1	0	0	1	0	0	0	0	0	0	2
INPP4A	0	1	0	1	0	0	0	0	0	0	2
IRF5	0	0	0	1	0	0	0	0	0	1	2
IRF5	0	0	0	1	0	0	0	0	0	1	2
IRS1	0	1	0	1	0	0	0	0	0	0	2
ITGB1	0	1	0	1	0	0	0	0	0	0	2
KCNA3	0	1	0	1	0	0	0	0	0	0	2
KCNA6	0	1	0	1	0	0	0	0	0	0	2
KCNH1	0	1	0	1	0	0	0	0	0	0	2
PTAR1	0	1	0	1	0	0	0	0	0	0	2

KIR2DL1	0	0	0	1	0	0	0	0	0	1	2
CC2D2B	1	0	0	1	0	0	0	0	0	0	2
LOC388503	0	0	0	1	0	0	0	0	0	1	2
LOC388969	0	1	0	1	0	0	0	0	0	0	2
LAMA3	1	0	0	1	0	0	0	0	0	0	2
LAMA3	1	0	0	1	0	0	0	0	0	0	2
LAMP2	0	1	0	1	0	0	0	0	0	0	2
LAMP2	0	1	0	1	0	0	0	0	0	0	2
ARHGAP6	1	0	0	1	0	0	0	0	0	0	2
LIMK2	1	0	0	1	0	0	0	0	0	0	2
FLJ45803	0	1	0	1	0	0	0	0	0	0	2
FLJ42957	0	0	0	1	0	0	0	0	0	1	2
FLJ13137	0	0	0	1	0	0	0	0	0	1	2
C8orf59	0	0	0	1	0	0	0	0	0	1	2
C8orf59	0	0	0	1	0	0	0	0	0	1	2
C8orf59	0	0	0	1	0	0	0	0	0	1	2
LOX	0	1	0	1	0	0	0	0	0	0	2
GTF2H5	0	1	0	1	0	0	0	0	0	0	2
SMAD5	1	0	0	1	0	0	0	0	0	0	2
MAGEB1	1	0	0	1	0	0	0	0	0	0	2
ARSD	0	1	0	1	0	0	0	0	0	0	2
MATN2	0	1	0	1	0	0	0	0	0	0	2
MCC	0	0	0	1	0	0	0	0	0	1	2
CD46	0	0	0	1	0	0	0	0	0	1	2
CD46	0	0	0	1	0	0	0	0	0	1	2
CD46	0	0	0	1	0	0	0	0	0	1	2
CD46	0	0	0	1	0	0	0	0	0	1	2
MDM2	0	1	0	1	0	0	0	0	0	0	2
MDM2	0	1	0	1	0	0	0	0	0	0	2
MDM2	0	1	0	1	0	0	0	0	0	0	2
MDM4	0	1	0	1	0	0	0	0	0	0	2
MEF2A	1	0	0	1	0	0	0	0	0	0	2
MEF2A	1	0	0	1	0	0	0	0	0	0	2
MEF2A	1	0	0	1	0	0	0	0	0	0	2
MFAP3	0	1	0	1	0	0	0	0	0	0	2
MLLT4	0	1	0	1	0	0	0	0	0	0	2
MME	0	0	0	1	0	0	0	0	0	1	2
MME	0	0	0	1	0	0	0	0	0	1	2
MME	0	0	0	1	0	0	0	0	0	1	2
MTHFD2L	0	0	0	1	0	0	0	0	0	1	2
ASPH	0	1	0	1	0	0	0	0	0	0	2

ASPH	0	1	0	1	0	0	0	0	0	0	2
MYL1	1	0	0	1	0	0	0	0	0	0	2
ATF1	0	1	0	1	0	0	0	0	0	0	2
NAP1L1	0	1	0	1	0	0	0	0	0	0	2
NBL1	1	0	0	1	0	0	0	0	0	0	2
NUBP1	0	1	0	1	0	0	0	0	0	0	2
NBN	0	0	0	1	0	0	0	0	0	1	2
ATM	0	0	0	1	0	0	0	0	0	1	2
NELL2	1	0	0	1	0	0	0	0	0	0	2
NF2	0	1	0	1	0	0	0	0	0	0	2
NRCAM	0	0	0	1	0	0	0	0	0	1	2
NTRK2	0	0	0	1	0	0	0	0	0	1	2
OGN	0	0	0	1	0	0	0	0	0	1	2
SPRN	0	1	0	1	0	0	0	0	0	0	2
Dec-01	0	1	0	1	0	0	0	0	0	0	2
TMEM16G	0	1	0	1	0	0	0	0	0	0	2
PAX6	0	1	0	1	0	0	0	0	0	0	2
F11R	0	0	0	1	0	0	0	0	0	1	2
PBX1	0	1	0	1	0	0	0	0	0	0	2
PCBP2	0	1	0	1	0	0	0	0	0	0	2
PCDH7	0	0	0	1	0	0	0	0	0	1	2
ABHD5	0	1	0	1	0	0	0	0	0	0	2
METTL9	1	0	0	1	0	0	0	0	0	0	2
SUV420H1	0	1	0	1	0	0	0	0	0	0	2
RNF12	0	1	0	1	0	0	0	0	0	0	2
CCDC41	0	0	0	1	0	0	0	0	0	1	2
IRAK4	0	0	0	1	0	0	0	0	0	1	2
TUBE1	0	1	0	1	0	0	0	0	0	0	2
ZNF639	0	1	0	1	0	0	0	0	0	0	2
C5orf5	1	0	0	1	0	0	0	0	0	0	2
C5orf5	1	0	0	1	0	0	0	0	0	0	2
C4orf18	1	0	0	1	0	0	0	0	0	0	2
C4orf18	1	0	0	1	0	0	0	0	0	0	2
DACT1	1	0	0	1	0	0	0	0	0	0	2
MBTPS2	0	1	0	1	0	0	0	0	0	0	2
NCKIPSD	1	0	0	1	0	0	0	0	0	0	2
ARMCX3	0	0	0	1	0	0	0	0	0	1	2
AZIN1	1	0	0	1	0	0	0	0	0	0	2
FKBP7	0	1	0	1	0	0	0	0	0	0	2
CAB39	1	0	0	1	0	0	0	0	0	0	2
CAB39	1	0	0	1	0	0	0	0	0	0	2

PEG3	1	0	0	1	0	0	0	0	0	0	2
PFKFB2	0	0	0	1	0	0	0	0	0	1	2
SERPINA1	0	1	0	1	0	0	0	0	0	0	2
SERPINI1	1	0	0	1	0	0	0	0	0	0	2
PIP4K2A	0	1	0	1	0	0	0	0	0	0	2
PLP1	1	0	0	1	0	0	0	0	0	0	2
PNN	0	1	0	1	0	0	0	0	0	0	2
FAM105A	0	1	0	1	0	0	0	0	0	0	2
EGLN1	0	1	0	1	0	0	0	0	0	0	2
FLJ20674	0	1	0	1	0	0	0	0	0	0	2
A2BP1	0	1	0	1	0	0	0	0	0	0	2
A2BP1	0	1	0	1	0	0	0	0	0	0	2
C17orf59	0	1	0	1	0	0	0	0	0	0	2
ZNF586	0	0	0	1	0	0	0	0	0	1	2
ZNF280D	0	0	0	1	0	0	0	0	0	1	2
RP11-35N6.1	1	0	0	1	0	0	0	0	0	0	2
CTF8	1	0	0	1	0	0	0	0	0	0	2
CTF8	0	1	0	1	0	0	0	0	0	0	2
CTF8	1	0	0	1	0	0	0	0	0	0	2
PIGX	0	1	0	1	0	0	0	0	0	0	2
ACPP	1	0	0	1	0	0	0	0	0	0	2
PID1	1	0	0	1	0	0	0	0	0	0	2
AIM1L	0	0	0	1	0	0	0	0	0	1	2
C9orf40	0	1	0	1	0	0	0	0	0	0	2
FLJ10213	0	1	0	1	0	0	0	0	0	0	2
SLC25A36	0	0	0	1	0	0	0	0	0	1	2
VPS13D	1	0	0	1	0	0	0	0	0	0	2
BBS7	0	1	0	1	0	0	0	0	0	0	2
LEPREL1	0	1	0	1	0	0	0	0	0	0	2
PPP2R5C	0	1	0	1	0	0	0	0	0	0	2
IMP3	0	1	0	1	0	0	0	0	0	0	2
QRSL1	0	1	0	1	0	0	0	0	0	0	2
FLJ11151	0	0	0	1	0	0	0	0	0	1	2
PPP6C	0	1	0	1	0	0	0	0	0	0	2
SLC35E3	0	1	0	1	0	0	0	0	0	0	2
DDX43	0	1	0	1	0	0	0	0	0	0	2
GALNT10	0	0	0	1	0	0	0	0	0	1	2
KIAA1310	1	0	0	1	0	0	0	0	0	0	2
C17orf63	0	0	0	1	0	0	0	0	0	1	2
ZNF83	0	0	0	1	0	0	0	0	0	1	2
ZNF83	0	0	0	1	0	0	0	0	0	1	2

ZNF83	0	0	0	1	0	0	0	0	0	1	2
ZNF83	0	0	0	1	0	0	0	0	0	1	2
ZNF83	0	0	0	1	0	0	0	0	0	1	2
RIOK2	0	1	0	1	0	0	0	0	0	0	2
IQWD1	1	0	0	1	0	0	0	0	0	0	2
C3orf10	0	1	0	1	0	0	0	0	0	0	2
MAPK9	0	1	0	1	0	0	0	0	0	0	2
DNAJC3	0	1	0	1	0	0	0	0	0	0	2
LMOD3	0	1	0	1	0	0	0	0	0	0	2
LRRC8A	1	0	0	1	0	0	0	0	0	0	2
LRRC8A	1	0	0	1	0	0	0	0	0	0	2
KCNQ5	1	0	0	1	0	0	0	0	0	0	2
KLK7	0	0	0	1	0	0	0	0	0	1	2
PSAP	0	0	0	1	0	0	0	0	0	1	2
PSG2	0	1	0	1	0	0	0	0	0	0	2
PSG5	0	0	0	1	0	0	0	0	0	1	2
PSG11	0	0	0	1	0	0	0	0	0	1	2
PSG11	0	0	0	1	0	0	0	0	0	1	2
UGCGL1	0	1	0	1	0	0	0	0	0	0	2
BAAT	0	0	0	1	0	0	0	0	0	1	2
BACH1	1	0	0	1	0	0	0	0	0	0	2
C6orf162	1	0	0	1	0	0	0	0	0	0	2
SMURF1	1	0	0	1	0	0	0	0	0	0	2
KIAA1191	1	0	0	1	0	0	0	0	0	0	2
KIAA1191	1	0	0	1	0	0	0	0	0	0	2
PSMD13	1	0	0	1	0	0	0	0	0	0	2
GPR126	0	0	0	1	0	0	0	0	0	1	2
C13orf1	0	1	0	1	0	0	0	0	0	0	2
ERGIC1	0	0	0	1	0	0	0	0	0	1	2
SMEK2	1	0	0	1	0	0	0	0	0	0	2
PTCH1	0	0	0	1	0	0	0	0	0	1	2
PTCH1	0	0	0	1	0	0	0	0	0	1	2
PTCH1	0	0	0	1	0	0	0	0	0	1	2
PTCH1	0	0	0	1	0	0	0	0	0	1	2
PTCH1	0	0	0	1	0	0	0	0	0	1	2
PTCH1	0	0	0	1	0	0	0	0	0	1	2
SENP7	1	0	0	1	0	0	0	0	0	0	2
NLGN4X	1	0	0	1	0	0	0	0	0	0	2
FNIP2	0	1	0	1	0	0	0	0	0	0	2
C8orf79	0	1	0	1	0	0	0	0	0	0	2
CYP4F11	1	0	0	1	0	0	0	0	0	0	2

PTPRC	0	0	0	1	0	0	0	0	0	1	2
PTPRD	1	0	0	1	0	0	0	0	0	0	2
PTPRD	1	0	0	1	0	0	0	0	0	0	2
PTPRD	1	0	0	1	0	0	0	0	0	0	2
PTPRJ	0	1	0	1	0	0	0	0	0	0	2
PVR	0	1	0	1	0	0	0	0	0	0	2
PEX19	0	0	0	1	0	0	0	0	0	1	2
PXMP3	0	0	0	1	0	0	0	0	0	1	2
RBMS1	0	1	0	1	0	0	0	0	0	0	2
RNASE4	1	0	0	1	0	0	0	0	0	0	2
RNASE4	1	0	0	1	0	0	0	0	0	0	2
RORA	0	1	0	1	0	0	0	0	0	0	2
BDH1	1	0	0	1	0	0	0	0	0	0	2
BDH1	1	0	0	1	0	0	0	0	0	0	2
RTN1	1	0	0	1	0	0	0	0	0	0	2
RTN1	1	0	0	1	0	0	0	0	0	0	2
ATXN7	0	1	0	1	0	0	0	0	0	0	2
SCP2	0	1	0	1	0	0	0	0	0	0	2
SCP2	0	1	0	1	0	0	0	0	0	0	2
NPAS3	1	0	0	1	0	0	0	0	0	0	2
ERAP2	0	1	0	1	0	0	0	0	0	0	2
ARL6IP2	1	0	0	1	0	0	0	0	0	0	2
MS4A6A	0	0	0	1	0	0	0	0	0	1	2
LOC643641	0	1	0	1	0	0	0	0	0	0	2
hCG_1776018	0	1	0	1	0	0	0	0	0	0	2
SGK1	1	0	0	1	0	0	0	0	0	0	2
C3orf65	0	0	0	1	0	0	0	0	0	1	2
NUCKS1	0	1	0	1	0	0	0	0	0	0	2
CRTC3	0	1	0	1	0	0	0	0	0	0	2
C1orf176	0	1	0	1	0	0	0	0	0	0	2
RABL5	0	0	0	1	0	0	0	0	0	1	2
RMND5A	0	1	0	1	0	0	0	0	0	0	2
PCDH15	0	0	0	1	0	0	0	0	0	1	2
SLC12A3	0	1	0	1	0	0	0	0	0	0	2
SLCO1A2	0	1	0	1	0	0	0	0	0	0	2
SMARCC2	1	0	0	1	0	0	0	0	0	0	2
SMARCC2	1	0	0	1	0	0	0	0	0	0	2
SP3	1	0	0	1	0	0	0	0	0	0	2
SRI	0	0	0	1	0	0	0	0	0	1	2
ZFP36L2	0	1	0	1	0	0	0	0	0	0	2
STYX	1	0	0	1	0	0	0	0	0	0	2

TAF9	0	1	0	1	0	0	0	0	0	0	2
TBXA2R	1	0	0	1	0	0	0	0	0	0	2
TCF4	0	0	0	1	0	0	0	0	0	1	2
BTG1	0	1	0	1	0	0	0	0	0	0	2
TGFA	0	0	0	1	0	0	0	0	0	1	2
TIA1	0	1	0	1	0	0	0	0	0	0	2
TPD52L2	1	0	0	1	0	0	0	0	0	0	2
TPD52L2	1	0	0	1	0	0	0	0	0	0	2
TPD52L2	1	0	0	1	0	0	0	0	0	0	2
TPD52L2	1	0	0	1	0	0	0	0	0	0	2
TPD52L2	1	0	0	1	0	0	0	0	0	0	2
TPM3	0	1	0	1	0	0	0	0	0	0	2
TSHR	0	1	0	1	0	0	0	0	0	0	2
TXNRD1	1	0	0	1	0	0	0	0	0	0	2
TXNRD1	1	0	0	1	0	0	0	0	0	0	2
UBE3A	1	0	0	1	0	0	0	0	0	0	2
UBE3A	1	0	0	1	0	0	0	0	0	0	2
UTY	1	0	0	1	0	0	0	0	0	0	2
VEGFA	1	0	0	1	0	0	0	0	0	0	2
VEGFA	1	0	0	1	0	0	0	0	0	0	2
VEGFA	1	0	0	1	0	0	0	0	0	0	2
VEGFA	1	0	0	1	0	0	0	0	0	0	2
TRPV1	1	0	0	1	0	0	0	0	0	0	2
TRPV1	1	0	0	1	0	0	0	0	0	0	2
ZNF133	1	0	0	1	0	0	0	0	0	0	2
C1orf116	0	0	0	1	0	0	0	0	0	1	2
CHCHD7	0	1	0	1	0	0	0	0	0	0	2
CHCHD7	0	1	0	1	0	0	0	0	0	0	2
CALCA	0	0	0	1	0	0	0	0	0	1	2
HMBOX1	1	0	0	1	0	0	0	0	0	0	2
RPAP3	0	1	0	1	0	0	0	0	0	0	2
SAP30L	0	1	0	1	0	0	0	0	0	0	2
C14orf169	0	1	0	1	0	0	0	0	0	0	2
C10orf68	0	1	0	1	0	0	0	0	0	0	2
ZNF419	0	0	0	1	0	0	0	0	0	1	2
ACBD4	1	0	0	1	0	0	0	0	0	0	2
CLMN	0	1	0	1	0	0	0	0	0	0	2
ALG9	0	0	0	1	0	0	0	0	0	1	2
JMJD5	1	0	0	1	0	0	0	0	0	0	2
CBLL1	0	1	0	1	0	0	0	0	0	0	2
SYNPO2L	1	0	0	1	0	0	0	0	0	0	2

MYST3	1	0	0	1	0	0	0	0	0	0	2
MYST3	1	0	0	1	0	0	0	0	0	0	2
ZNF767	0	0	0	1	0	0	0	0	0	1	2
DNAJB14	0	0	0	1	0	0	0	0	0	1	2
OBFC1	0	1	0	1	0	0	0	0	0	0	2
ANKRD53	1	0	0	1	0	0	0	0	0	0	2
TRPM3	0	0	0	1	0	0	0	0	0	1	2
IFT74	1	0	0	1	0	0	0	0	0	0	2
TM2D3	1	0	0	1	0	0	0	0	0	0	2
RAB11FIP1	1	0	0	1	0	0	0	0	0	0	2
WDR26	0	0	0	1	0	0	0	0	0	1	2
ADAM12	1	0	0	1	0	0	0	0	0	0	2
CSRP3	0	0	0	1	0	0	0	0	0	1	2
SSPN	0	1	0	1	0	0	0	0	0	0	2
TAF15	0	0	0	1	0	0	0	0	0	1	2
PLA2G12A	0	1	0	1	0	0	0	0	0	0	2
TSPAN14	1	0	0	1	0	0	0	0	0	0	2
COLQ	1	0	0	1	0	0	0	0	0	0	2
COLQ	1	0	0	1	0	0	0	0	0	0	2
CASP1	0	0	0	1	0	0	0	0	0	1	2
CASP1	0	0	0	1	0	0	0	0	0	1	2
CASP1	0	0	0	1	0	0	0	0	0	1	2
LRRC48	0	0	0	1	0	0	0	0	0	1	2
APH1B	0	1	0	1	0	0	0	0	0	0	2
DDX59	0	0	0	1	0	0	0	0	0	1	2
CHST9	0	1	0	1	0	0	0	0	0	0	2
CD99L2	1	0	0	1	0	0	0	0	0	0	2
ATG10	0	0	0	1	0	0	0	0	0	1	2
MRO	0	1	0	1	0	0	0	0	0	0	2
FCAMR	0	1	0	1	0	0	0	0	0	0	2
FCAMR	1	0	0	1	0	0	0	0	0	0	2
NCALD	0	0	0	1	0	0	0	0	0	1	2
NCALD	0	0	0	1	0	0	0	0	0	1	2
NCALD	0	0	0	1	0	0	0	0	0	1	2
NCALD	0	0	0	1	0	0	0	0	0	1	2
REG4	0	1	0	1	0	0	0	0	0	0	2
CASP8	1	0	0	1	0	0	0	0	0	0	2
CASP8	1	0	0	1	0	0	0	0	0	0	2
CASP8	1	0	0	1	0	0	0	0	0	0	2
CASP8	1	0	0	1	0	0	0	0	0	0	2
ARL6	1	0	0	1	0	0	0	0	0	0	2

ANTXR1	0	1	0	1	0	0	0	0	0	0	2
MGC13057	0	0	0	1	0	0	0	0	0	1	2
C8orf53	0	1	0	1	0	0	0	0	0	0	2
DYRK2	0	0	0	1	0	0	0	0	0	1	2
L3MBTL3	1	0	0	1	0	0	0	0	0	0	2
ZMAT1	1	0	0	1	0	0	0	0	0	0	2
CUL4B	1	0	0	1	0	0	0	0	0	0	2
ST6GAL2	0	1	0	1	0	0	0	0	0	0	2
GTPBP3	0	0	0	1	0	0	0	0	0	1	2
PSRC1	0	0	0	1	0	0	0	0	0	1	2
PTPN5	1	0	0	1	0	0	0	0	0	0	2
PTPN5	1	0	0	1	0	0	0	0	0	0	2
PEX3	0	1	0	1	0	0	0	0	0	0	2
DGKE	0	1	0	1	0	0	0	0	0	0	2
SHANK3	0	1	0	1	0	0	0	0	0	0	2
AGPS	0	1	0	1	0	0	0	0	0	0	2
CASK	1	0	0	1	0	0	0	0	0	0	2
CASK	1	0	0	1	0	0	0	0	0	0	2
SCARF1	0	1	0	1	0	0	0	0	0	0	2
STX16	1	0	0	1	0	0	0	0	0	0	2
B3GALT2	0	1	0	1	0	0	0	0	0	0	2
INPP4B	0	0	0	1	0	0	0	0	0	1	2
CCBL1	1	0	0	1	0	0	0	0	0	0	2
CCBL1	1	0	0	1	0	0	0	0	0	0	2
ARHGEF7	0	0	0	1	0	0	0	0	0	1	2
MTMR3	0	0	0	1	0	0	0	0	0	1	2
MTMR3	0	0	0	1	0	0	0	0	0	1	2
TRIM4	1	0	0	1	0	0	0	0	0	0	2
USP13	0	1	0	1	0	0	0	0	0	0	2
CCNG2	0	1	0	1	0	0	0	0	0	0	2
TAF1A	0	0	0	1	0	0	0	0	0	1	2
TMEM41A	0	1	0	1	0	0	0	0	0	0	2
SLC7A6	0	0	0	1	0	0	0	0	0	1	2
STARD13	1	0	0	1	0	0	0	0	0	0	2
STARD13	1	0	0	1	0	0	0	0	0	0	2
TBX18	0	1	0	1	0	0	0	0	0	0	2
ZNF502	1	0	0	1	0	0	0	0	0	0	2
ZNF502	1	0	0	1	0	0	0	0	0	0	2
ZNF502	1	0	0	1	0	0	0	0	0	0	2
SESTD1	0	1	0	1	0	0	0	0	0	0	2
SLFN11	0	0	0	1	0	0	0	0	0	1	2

SLFN11	0	0	0	1	0	0	0	0	0	1	2
CHURC1	0	0	0	1	0	0	0	0	0	1	2
BUB3	0	1	0	1	0	0	0	0	0	0	2
BUB3	0	1	0	1	0	0	0	0	0	0	2
XPR1	0	1	0	1	0	0	0	0	0	0	2
MS4A1	0	0	0	1	0	0	0	0	0	1	2
TMEM203	0	1	0	1	0	0	0	0	0	0	2
GGPS1	0	0	0	1	0	0	0	0	0	1	2
ENTPD1	0	0	0	1	0	0	0	0	0	1	2
PREPL	1	0	0	1	0	0	0	0	0	0	2
PREPL	1	0	0	1	0	0	0	0	0	0	2
ENTPD4	0	1	0	1	0	0	0	0	0	0	2
WTAP	0	1	0	1	0	0	0	0	0	0	2
AKAP12	1	0	0	1	0	0	0	0	0	0	2
GNA14	0	1	0	1	0	0	0	0	0	0	2
FNIP1	0	0	0	1	0	0	0	0	0	1	2
GCC2	0	0	0	1	0	0	0	0	0	1	2
CD59	0	0	0	1	0	0	0	0	0	1	2
CD59	0	0	0	1	0	0	0	0	0	1	2
DEPDC5	1	0	0	1	0	0	0	0	0	0	2
GREB1	0	1	0	1	0	0	0	0	0	0	2
HERPUD1	1	0	0	1	0	0	0	0	0	0	2
HERPUD1	1	0	0	1	0	0	0	0	0	0	2
NOS1AP	0	0	0	1	0	0	0	0	0	1	2
MATR3	1	0	0	1	0	0	0	0	0	0	2
BMS1	0	1	0	1	0	0	0	0	0	0	2
SCRN1	1	0	0	1	0	0	0	0	0	0	2
CDC2	1	0	0	1	0	0	0	0	0	0	2
HEPH	1	0	0	1	0	0	0	0	0	0	2
HEPH	1	0	0	1	0	0	0	0	0	0	2
TLK1	0	0	0	1	0	0	0	0	0	1	2
CD302	0	0	0	1	0	0	0	0	0	1	2
AKT3	1	0	0	0	0	0	0	0	0	1	2
BCL2L11	1	0	0	0	0	0	0	0	0	1	2
CDH7	1	0	0	0	0	0	0	0	0	1	2
CDH7	1	0	0	0	0	0	0	0	0	1	2
AKAP9	1	1	0	0	0	0	0	0	0	0	2
DENND4A	1	1	0	0	0	0	0	0	0	0	2
PAK4	1	0	0	0	0	0	0	0	0	1	2
B3GALT5	1	0	0	0	0	0	0	0	0	1	2
DLC1	1	0	0	0	0	0	0	0	0	1	2

BAIAP2	1	0	0	0	0	0	0	0	0	1	2
BAIAP2	1	0	0	0	0	0	0	0	0	1	2
APPBP2	1	1	0	0	0	0	0	0	0	0	2
PDLIM5	1	0	0	0	0	0	0	0	0	1	2
PDLIM5	1	0	0	0	0	0	0	0	0	1	2
IVNS1ABP	1	0	0	0	0	0	0	0	0	1	2
POSTN	1	1	0	0	0	0	0	0	0	0	2
TOB2	1	1	0	0	0	0	0	0	0	0	2
ZMYND11	1	0	0	0	0	0	0	0	0	1	2
FUSIP1	1	1	0	0	0	0	0	0	0	0	2
FUSIP1	1	1	0	0	0	0	0	0	0	0	2
ZNF266	1	0	0	0	0	0	0	0	0	1	2
ZNF274	1	0	0	0	0	0	0	0	0	1	2
ZNF274	1	0	0	0	0	0	0	0	0	1	2
GJB6	1	0	0	0	0	0	0	0	0	1	2
ADAM28	1	0	0	0	0	0	0	0	0	1	2
C10orf116	1	1	0	0	0	0	0	0	0	0	2
KDELR3	1	0	0	0	0	0	0	0	0	1	2
BTN2A1	1	1	0	0	0	0	0	0	0	0	2
ERLIN2	1	0	0	0	0	0	0	0	0	1	2
AKAP11	1	1	0	0	0	0	0	0	0	0	2
AP1GBP1	1	1	0	0	0	0	0	0	0	0	2
CASC4	1	0	0	0	0	0	0	0	0	1	2
OSBPL6	1	0	0	0	0	0	0	0	0	1	2
DIS3L	1	0	0	0	0	0	0	0	0	1	2
CATSPER2	1	0	0	0	0	0	0	0	0	1	2
CATSPER2	1	0	0	0	0	0	0	0	0	1	2
CLCN6	1	0	0	0	0	0	0	0	0	1	2
CLCN6	1	0	0	0	0	0	0	0	0	1	2
CLCN6	1	0	0	0	0	0	0	0	0	1	2
IKIP	1	0	0	0	0	0	0	0	0	1	2
IKIP	1	0	0	0	0	0	0	0	0	1	2
TDRD9	1	1	0	0	0	0	0	0	0	0	2
MSI2	1	0	0	0	0	0	0	0	0	1	2
ZNF573	1	1	0	0	0	0	0	0	0	0	2
CD200R1	1	0	0	0	0	0	0	0	0	1	2
CD200R1	1	0	0	0	0	0	0	0	0	1	2
NUDT16	1	1	0	0	0	0	0	0	0	0	2
C5orf33	1	0	0	0	0	0	0	0	0	1	2
ABRA	1	1	0	0	0	0	0	0	0	0	2
CRY2	1	0	0	0	0	0	0	0	0	1	2

CSNK1G3	1	0	0	0	0	0	0	0	0	1	2
CSNK1G3	1	0	0	0	0	0	0	0	0	1	2
CMTM4	1	0	0	0	0	0	0	0	0	1	2
C18orf25	1	0	0	0	0	0	0	0	0	1	2
CTNNB1	1	1	0	0	0	0	0	0	0	0	2
RNF38	1	0	0	0	0	0	0	0	0	1	2
VPS13B	1	0	0	0	0	0	0	0	0	1	2
VPS13B	1	0	0	0	0	0	0	0	0	1	2
ZNF483	1	0	0	0	0	0	0	0	0	1	2
ZNF780B	1	1	0	0	0	0	0	0	0	0	2
DCN	1	0	0	0	0	0	0	0	0	1	2
DCX	1	0	0	0	0	0	0	0	0	1	2
TXLNB	1	1	0	0	0	0	0	0	0	0	2
ZNF675	1	1	0	0	0	0	0	0	0	0	2
PIP5K3	1	0	0	0	0	0	0	0	0	1	2
PIP5K3	1	0	0	0	0	0	0	0	0	1	2
EMR1	1	1	0	0	0	0	0	0	0	0	2
EPHA3	1	0	0	0	0	0	0	0	0	1	2
HIPK1	1	0	0	0	0	0	0	0	0	1	2
EVI2A	1	0	0	0	0	0	0	0	0	1	2
JMJD1C	1	1	0	0	0	0	0	0	0	0	2
RIMS1	1	1	0	0	0	0	0	0	0	0	2
CNOT1	1	0	0	0	0	0	0	0	0	1	2
USP33	1	0	0	0	0	0	0	0	0	1	2
SMG1	1	1	0	0	0	0	0	0	0	0	2
NCOA6	1	1	0	0	0	0	0	0	0	0	2
TNRC6B	1	0	0	0	0	0	0	0	0	1	2
CLASP2	1	0	0	0	0	0	0	0	0	1	2
RFTN1	1	1	0	0	0	0	0	0	0	0	2
KIAA0182	1	0	0	0	0	0	0	0	0	1	2
VPS13A	1	0	0	0	0	0	0	0	0	1	2
MGA	1	0	0	0	0	0	0	0	0	1	2
TRIM2	1	0	0	0	0	0	0	0	0	1	2
DOCK9	1	1	0	0	0	0	0	0	0	0	2
PSD3	1	0	0	0	0	0	0	0	0	1	2
KIAA0947	1	0	0	0	0	0	0	0	0	1	2
SRGAP2	1	0	0	0	0	0	0	0	0	1	2
SLC44A1	1	0	0	0	0	0	0	0	0	1	2
POFUT1	1	0	0	0	0	0	0	0	0	1	2
C20orf103	1	1	0	0	0	0	0	0	0	0	2
ATP6V1C2	1	0	0	0	0	0	0	0	0	1	2

GABRG2	1	0	0	0	0	0	0	0	0	1	2
GALK2	1	1	0	0	0	0	0	0	0	0	2
MTHFD1L	1	1	0	0	0	0	0	0	0	0	2
POT1	1	0	0	0	0	0	0	0	0	1	2
POT1	1	0	0	0	0	0	0	0	0	1	2
IBTK	1	0	0	0	0	0	0	0	0	1	2
MOXD1	1	0	0	0	0	0	0	0	0	1	2
AUTS2	1	0	0	0	0	0	0	0	0	1	2
AUTS2	1	0	0	0	0	0	0	0	0	1	2
RAI14	1	0	0	0	0	0	0	0	0	1	2
WDR21A	1	0	0	0	0	0	0	0	0	1	2
LCE2B	1	1	0	0	0	0	0	0	0	0	2
FBXO24	1	1	0	0	0	0	0	0	0	0	2
CNNM1	1	1	0	0	0	0	0	0	0	0	2
AP3M1	1	0	0	0	0	0	0	0	0	1	2
FOXP1	1	0	0	0	0	0	0	0	0	1	2
TAF5L	1	0	0	0	0	0	0	0	0	1	2
GK	1	0	0	0	0	0	0	0	0	1	2
SNX5	1	0	0	0	0	0	0	0	0	1	2
DISC1	1	0	0	0	0	0	0	0	0	1	2
DISC1	1	0	0	0	0	0	0	0	0	1	2
ARFIP1	1	0	0	0	0	0	0	0	0	1	2
BBS9	1	0	0	0	0	0	0	0	0	1	2
PCDH11X	1	0	0	0	0	0	0	0	0	1	2
PCDH11X	1	0	0	0	0	0	0	0	0	1	2
GPLD1	1	0	0	0	0	0	0	0	0	1	2
ANK1	1	0	0	0	0	0	0	0	0	1	2
MKNK2	1	0	0	0	0	0	0	0	0	1	2
PURG	1	1	0	0	0	0	0	0	0	0	2
NRG1	1	1	0	0	0	0	0	0	0	0	2
HNMT	1	0	0	0	0	0	0	0	0	1	2
HNMT	1	0	0	0	0	0	0	0	0	1	2
RAB37	1	1	0	0	0	0	0	0	0	0	2
IFNAR1	1	1	0	0	0	0	0	0	0	0	2
IGF1	1	0	0	0	0	0	0	0	0	1	2
ILF3	1	0	0	0	0	0	0	0	0	1	2
ILF3	1	0	0	0	0	0	0	0	0	1	2
ITGA4	1	1	0	0	0	0	0	0	0	0	2
ITGAL	1	1	0	0	0	0	0	0	0	0	2
KAL1	1	1	0	0	0	0	0	0	0	0	2
KCNC2	1	0	0	0	0	0	0	0	0	1	2

FLG2	1	1	0	0	0	0	0	0	0	0	2
ZNF793	1	1	0	0	0	0	0	0	0	0	2
LIMS1	1	1	0	0	0	0	0	0	0	0	2
LNPEP	1	1	0	0	0	0	0	0	0	0	2
SMAD5	1	1	0	0	0	0	0	0	0	0	2
MAF	1	0	0	0	0	0	0	0	0	1	2
MET	1	0	0	0	0	0	0	0	0	1	2
MSR1	1	0	0	0	0	0	0	0	0	1	2
ASTN1	1	0	0	0	0	0	0	0	0	1	2
PPP1R12B	1	0	0	0	0	0	0	0	0	1	2
NOVA1	1	0	0	0	0	0	0	0	0	1	2
NPHP1	1	0	0	0	0	0	0	0	0	1	2
NPHP1	1	0	0	0	0	0	0	0	0	1	2
NPHP1	1	0	0	0	0	0	0	0	0	1	2
NPHP1	1	0	0	0	0	0	0	0	0	1	2
SLC11A2	1	1	0	0	0	0	0	0	0	0	2
ITSN2	1	0	0	0	0	0	0	0	0	1	2
PDE11A	1	0	0	0	0	0	0	0	0	1	2
PHF20L1	1	0	0	0	0	0	0	0	0	1	2
PCNT	1	0	0	0	0	0	0	0	0	1	2
NIN	1	0	0	0	0	0	0	0	0	1	2
NIN	1	0	0	0	0	0	0	0	0	1	2
NIN	1	0	0	0	0	0	0	0	0	1	2
ZDHHC2	1	1	0	0	0	0	0	0	0	0	2
POLK	1	0	0	0	0	0	0	0	0	1	2
ANKFY1	1	0	0	0	0	0	0	0	0	1	2
NCKIPSD	1	1	0	0	0	0	0	0	0	0	2
AZIN1	1	1	0	0	0	0	0	0	0	0	2
PDHA2	1	1	0	0	0	0	0	0	0	0	2
SERPINB13	1	1	0	0	0	0	0	0	0	0	2
BCL11A	1	0	0	0	0	0	0	0	0	1	2
BCL11A	1	0	0	0	0	0	0	0	0	1	2
PML	1	0	0	0	0	0	0	0	0	1	2
PML	1	0	0	0	0	0	0	0	0	1	2
PML	1	0	0	0	0	0	0	0	0	1	2
PML	1	0	0	0	0	0	0	0	0	1	2
PML	1	0	0	0	0	0	0	0	0	1	2
PML	1	0	0	0	0	0	0	0	0	1	2
FAM3B	1	0	0	0	0	0	0	0	0	1	2
C21orf91	1	0	0	0	0	0	0	0	0	1	2
GFOD1	1	1	0	0	0	0	0	0	0	0	2

MOV10L1	1	0	0	0	0	0	0	0	0	1	2
EXOC6	1	1	0	0	0	0	0	0	0	0	2
EPB41L4B	1	0	0	0	0	0	0	0	0	1	2
CCNJ	1	0	0	0	0	0	0	0	0	1	2
PPA1	1	1	0	0	0	0	0	0	0	0	2
CROT	1	1	0	0	0	0	0	0	0	0	2
OTUD4	1	0	0	0	0	0	0	0	0	1	2
CNNM2	1	0	0	0	0	0	0	0	0	1	2
ZNF562	1	0	0	0	0	0	0	0	0	1	2
ZNF562	1	0	0	0	0	0	0	0	0	1	2
RBM35A	1	0	0	0	0	0	0	0	0	1	2
PPM1B	1	0	0	0	0	0	0	0	0	1	2
PPM1B	1	0	0	0	0	0	0	0	0	1	2
PPM1B	1	0	0	0	0	0	0	0	0	1	2
PPM1B	1	0	0	0	0	0	0	0	0	1	2
PID1	1	1	0	0	0	0	0	0	0	0	2
FBXO34	1	0	0	0	0	0	0	0	0	1	2
UACA	1	1	0	0	0	0	0	0	0	0	2
SLC38A4	1	0	0	0	0	0	0	0	0	1	2
BSDC1	1	1	0	0	0	0	0	0	0	0	2
ARMC4	1	1	0	0	0	0	0	0	0	0	2
DALRD3	1	0	0	0	1	0	0	0	0	0	2
C10orf59	1	0	0	0	0	0	0	0	0	1	2
WDR33	1	0	0	0	0	0	0	0	0	1	2
CSGALNACT2	1	1	0	0	0	0	0	0	0	0	2
TNFRSF19	1	0	0	0	0	0	0	0	0	1	2
BMP2K	1	0	0	0	0	0	0	0	0	1	2
RUFY2	1	0	0	0	0	0	0	0	0	1	2
ENAH	1	0	0	0	0	0	0	0	0	1	2
LMBRD1	1	1	0	0	0	0	0	0	0	0	2
MAPK1	1	0	0	0	0	0	0	0	0	1	2
PCDHA6	1	0	0	0	0	0	0	0	0	1	2
PCDHA2	1	0	0	0	0	0	0	0	0	1	2
KIAA1217	1	0	0	0	0	0	0	0	0	1	2
KIAA1217	1	0	0	0	0	0	0	0	0	1	2
C8orf44	1	1	0	0	0	0	0	0	0	0	2
SPIRE1	1	0	0	0	0	0	0	0	0	1	2
CASC5	1	0	0	0	0	0	0	0	0	1	2
PAK7	1	0	0	0	0	0	0	0	0	1	2
PHTF2	1	0	0	0	0	0	0	0	0	1	2
ERGIC1	1	0	0	0	0	0	0	0	0	1	2

PTGER3	1	0	0	0	0	0	0	0	0	1	2
PTGER3	1	0	0	0	0	0	0	0	0	1	2
PTGER3	1	0	0	0	0	0	0	0	0	1	2
PTGER3	1	0	0	0	0	0	0	0	0	1	2
PTGER3	1	0	0	0	0	0	0	0	0	1	2
NDRG2	1	0	0	0	0	0	0	0	0	1	2
TMCC3	1	1	0	0	0	0	0	0	0	0	2
GATAD2B	1	1	0	0	0	0	0	0	0	0	2
FAM40B	1	0	0	0	0	0	0	0	0	1	2
USP36	1	1	0	0	0	0	0	0	0	0	2
KIAA1462	1	0	0	0	0	0	0	0	0	1	2
ZFAT	1	0	0	0	0	0	0	0	0	1	2
KIAA1522	1	1	0	0	0	0	0	0	0	0	2
ZBTB4	1	0	0	0	0	0	0	0	0	1	2
DENND1A	1	0	0	0	0	0	0	0	0	1	2
PTPRC	1	0	0	0	0	0	0	0	0	1	2
RABGGTB	1	1	0	0	0	0	0	0	0	0	2
ZNF350	1	1	0	0	0	0	0	0	0	0	2
BCL2	1	0	0	0	0	0	0	0	0	1	2
RFX2	1	0	0	0	0	0	0	0	0	1	2
PRDM15	1	0	0	0	0	0	0	0	0	1	2
CDH23	1	0	0	0	0	0	0	0	0	1	2
PDLIM2	1	0	0	0	0	0	0	0	0	1	2
PDLIM2	1	0	0	0	0	0	0	0	0	1	2
S100PBP	1	0	0	0	0	0	0	0	0	1	2
DDX31	1	0	0	0	0	0	0	0	0	1	2
SIM1	1	0	0	0	0	0	0	0	0	1	2
CAPRIN2	1	0	0	0	0	0	0	0	0	1	2
DST	1	1	0	0	0	0	0	0	0	0	2
SPTBN1	1	0	0	0	0	0	0	0	0	1	2
VAMP1	1	1	0	0	0	0	0	0	0	0	2
TAP2	1	0	0	0	0	0	0	0	0	1	2
TFPI	1	0	0	0	0	0	0	0	0	1	2
THRA	1	1	0	0	0	0	0	0	0	0	2
TPD52	1	0	0	0	0	0	0	0	0	1	2
C5	1	1	0	0	0	0	0	0	0	0	2
FLJ78302	1	1	0	0	0	0	0	0	0	0	2
UFD1L	1	1	0	0	0	0	0	0	0	0	2
UFD1L	1	1	0	0	0	0	0	0	0	0	2
UTRN	1	1	0	0	0	0	0	0	0	0	2
VDR	1	0	0	0	0	0	0	0	0	1	2

VLDLR	1	1	0	0	0	0	0	0	0	0	2
WHSC1	1	0	0	0	0	0	0	0	0	1	2
ZNF85	1	1	0	0	0	0	0	0	0	0	2
ZNF135	1	0	0	0	0	0	0	0	0	1	2
ZMYM2	1	1	0	0	0	0	0	0	0	0	2
CACNB4	1	0	0	0	0	0	0	0	0	1	2
CACNB4	1	0	0	0	0	0	0	0	0	1	2
ZNF655	1	0	0	0	0	0	0	0	0	1	2
ZNF655	1	0	0	0	0	0	0	0	0	1	2
ELOVL6	1	1	0	0	0	0	0	0	0	0	2
BAT1	1	1	0	0	0	0	0	0	0	0	2
NARG1L	1	0	0	0	0	0	0	0	0	1	2
MMRN2	1	1	0	0	0	0	0	0	0	0	2
FAM124B	1	1	0	0	0	0	0	0	0	0	2
ATP8B4	1	0	0	0	0	0	0	0	0	1	2
C7orf58	1	0	0	0	0	0	0	0	0	1	2
TRPM3	1	0	0	0	0	0	0	0	0	1	2
TRPM3	1	0	0	0	0	0	0	0	0	1	2
TRPM3	1	0	0	0	0	0	0	0	0	1	2
TRPM3	1	0	0	0	0	0	0	0	0	1	2
NR4A3	1	0	0	0	0	0	0	0	0	1	2
C13orf18	1	0	0	0	0	0	0	0	0	1	2
CAMK2D	1	0	0	0	0	0	0	0	0	1	2
PCDH11Y	1	0	0	0	0	0	0	0	0	1	2
PCDH11Y	1	0	0	0	0	0	0	0	0	1	2
DDX59	1	0	0	0	0	0	0	0	0	1	2
SYT15	1	0	0	0	0	0	0	0	0	1	2
SPATA9	1	0	0	0	0	0	0	0	0	1	2
SLC10A7	1	0	0	0	0	0	0	0	0	1	2
CAMKK1	1	0	0	0	0	0	0	0	0	1	2
MGC13057	1	0	0	0	0	0	0	0	0	1	2
CASP10	1	0	0	0	0	0	0	0	0	1	2
ATRN	1	0	0	0	0	0	0	0	0	1	2
PLXDC2	1	1	0	0	0	0	0	0	0	0	2
PPFIA1	1	0	0	0	0	0	0	0	0	1	2
CDC14A	1	0	0	0	0	0	0	0	0	1	2
CDC14A	1	0	0	0	0	0	0	0	0	1	2
MADD	1	0	0	0	0	0	0	0	0	1	2
TP63	1	0	0	0	0	0	0	0	0	1	2
TP63	1	0	0	0	0	0	0	0	0	1	2
PDE5A	1	0	0	0	0	0	0	0	0	1	2

STX16	1	1	0	0	0	0	0	0	0	0	2
B4GALT4	1	0	0	0	0	0	0	0	0	1	2
APLN	1	1	0	0	0	0	0	0	0	0	2
SYNJ1	1	0	0	0	0	0	0	0	0	1	2
KRIT1	1	0	0	0	0	0	0	0	0	1	2
KRIT1	1	0	0	0	0	0	0	0	0	1	2
PHLDB2	1	0	0	0	0	0	0	0	0	1	2
KLHL13	1	1	0	0	0	0	0	0	0	0	2
ZNF468	1	0	0	0	0	0	0	0	0	1	2
UBE2M	1	1	0	0	0	0	0	0	0	0	2
STARD13	1	1	0	0	0	0	0	0	0	0	2
ACVR1B	1	0	0	0	0	0	0	0	0	1	2
ACVR1B	1	0	0	0	0	0	0	0	0	1	2
CCDC149	1	0	0	0	0	0	0	0	0	1	2
MTA1	1	1	0	0	0	0	0	0	0	0	2
BTF3L4	1	1	0	0	0	0	0	0	0	0	2
MYADM	1	0	0	0	0	0	0	0	0	1	2
VAPB	1	1	0	0	0	0	0	0	0	0	2
NRXN3	1	0	0	0	0	0	0	0	0	1	2
FOXP2	1	1	0	0	0	0	0	0	0	0	2
GRAP2	1	1	0	0	0	0	0	0	0	0	2
C21orf66	1	0	0	0	0	0	0	0	0	1	2
ENTPD6	1	0	0	0	0	0	0	0	0	1	2
MPHOSPH1	1	1	0	0	0	0	0	0	0	0	2
RNF14	1	0	0	0	0	0	0	0	0	1	2
RNF14	1	0	0	0	0	0	0	0	0	1	2
HS2ST1	1	0	0	0	0	0	0	0	0	1	2
SGSM2	1	0	0	0	0	0	0	0	0	1	2
SGSM2	1	0	0	0	0	0	0	0	0	1	2
NAALAD2	0	1	0	0	0	0	0	0	0	1	2
PIGK	0	1	0	0	0	0	0	0	0	1	2
UST	0	1	0	0	0	0	0	0	0	1	2
NAMPT	0	1	0	0	0	0	0	0	0	1	2
YAF2	0	1	0	0	0	0	0	0	0	1	2
SORBS3	0	1	0	0	0	0	0	0	0	1	2
CD96	0	1	0	0	0	0	0	0	0	1	2
STX6	0	1	0	0	0	0	0	0	0	1	2
IGSF6	0	1	0	0	0	0	0	0	0	1	2
NET1	0	1	0	0	0	0	0	0	0	1	2
SMNDC1	0	1	0	0	0	0	0	0	0	1	2
DNAJA2	0	1	0	0	0	0	0	0	0	1	2

MAEA	0	1	0	0	0	0	0	0	0	1	2
MARCH6	0	1	0	0	0	0	0	0	0	1	2
BPNT1	0	1	0	0	0	0	0	0	0	1	2
SCML2	0	1	0	0	0	0	0	0	0	1	2
YAP1	0	1	0	0	0	0	0	0	0	1	2
SPON1	0	1	0	0	0	0	0	0	0	1	2
CDIPT	0	1	0	0	0	0	0	0	0	1	2
ARIH2	0	1	0	0	0	0	0	0	0	1	2
OLFM1	0	1	0	0	0	0	0	0	0	1	2
COG5	0	1	0	0	0	0	0	0	0	1	2
CHERP	0	1	0	0	0	0	0	0	0	1	2
RPP30	0	1	0	0	0	0	0	0	0	1	2
SLC34A2	0	1	0	0	0	0	0	0	0	1	2
SMC2	0	1	0	0	0	0	0	0	0	1	2
HEXIM1	0	1	0	0	0	0	0	0	0	1	2
RBCK1	0	1	0	0	0	0	0	0	0	1	2
IGF2BP3	0	1	0	0	0	0	0	0	0	1	2
SCGB1D2	0	1	0	0	0	0	0	0	0	1	2
SCGB1D1	0	1	0	0	0	0	0	0	0	1	2
PTGES3	0	1	0	0	0	0	0	0	0	1	2
RAI1	0	1	0	0	0	0	0	0	0	1	2
GRAP	0	1	0	0	0	0	0	0	0	1	2
ARPP-21	0	1	0	0	0	0	0	0	0	1	2
ZNF274	0	1	0	0	0	0	0	0	0	1	2
IQGAP2	0	1	0	0	0	0	0	0	0	1	2
WASF3	0	1	0	0	0	0	0	0	0	1	2
FGL2	0	1	0	0	0	0	0	0	0	1	2
RALBP1	0	1	0	0	0	0	0	0	0	1	2
ASCC3	0	1	0	0	0	0	0	0	0	1	2
ATF7	0	1	0	0	0	0	0	0	0	1	2
LILRA1	0	1	0	0	0	0	0	0	0	1	2
SLC35D2	0	1	0	0	0	0	0	0	0	1	2
CHD1	0	1	0	0	0	0	0	0	0	1	2
CEP110	0	1	0	0	0	0	0	0	0	1	2
C10orf10	0	1	0	0	0	0	0	0	0	1	2
TMEM115	0	1	0	0	0	0	0	0	0	1	2
KERA	0	1	0	0	0	0	0	0	0	1	2
HHLA2	0	1	0	0	0	0	0	0	0	1	2
BVES	0	1	0	0	0	0	0	0	0	1	2
LDB3	0	1	0	0	0	0	0	0	0	1	2
SOX21	0	1	0	0	0	0	0	0	0	1	2

BAZ1A	0	1	0	0	0	0	0	0	0	1	2
CHM	0	1	0	0	0	0	0	0	0	1	2
DUSP10	0	1	0	0	0	0	0	0	0	1	2
RASSF8	0	1	0	0	0	0	0	0	0	1	2
PRKCDBP	0	1	0	0	0	0	0	0	0	1	2
CHRM2	0	1	0	0	0	0	0	0	0	1	2
GLCCI1	0	1	0	0	0	0	0	0	0	1	2
CHRM5	0	1	0	0	0	0	0	0	0	1	2
CHRNA3	0	1	0	0	0	0	0	0	0	1	2
CYP2U1	0	1	0	0	0	0	0	0	0	1	2
SLC35A4	0	1	0	0	0	0	0	0	0	1	2
TMEM200A	0	1	0	0	0	0	0	0	0	1	2
PWWP2A	0	1	0	0	0	0	0	0	0	1	2
C1QTNF2	0	1	0	0	0	0	0	0	0	1	2
MRFAP1L1	0	1	0	0	0	0	0	0	0	1	2
ZNF501	0	1	0	0	0	0	0	0	0	1	2
DIRC1	0	1	0	0	0	0	0	0	0	1	2
WDR17	0	1	0	0	0	0	0	0	0	1	2
CATSPER2	0	1	0	0	0	0	0	0	0	1	2
OLFM3	0	1	0	0	0	0	0	0	0	1	2
EXOSC6	0	1	0	0	0	0	0	0	0	1	2
ZNF511	0	1	0	0	0	0	0	0	0	1	2
PIK3AP1	0	1	0	0	0	0	0	0	0	1	2
ANKRD22	0	1	0	0	0	0	0	0	0	1	2
CLIC2	0	1	0	0	0	0	0	0	0	1	2
CLK1	0	1	0	0	0	0	0	0	0	1	2
CYP2R1	0	1	0	0	0	0	0	0	0	1	2
TMEM132D	0	1	0	0	0	0	0	0	0	1	2
SP7	0	1	0	0	0	0	0	0	0	1	2
FRMD6	0	1	0	0	0	0	0	0	0	1	2
ISCA2	0	1	0	0	0	0	0	0	0	1	2
CCR1	0	1	0	0	0	0	0	0	0	1	2
C16orf63	0	1	0	0	0	0	0	0	0	1	2
C16orf55	0	1	0	0	0	0	0	0	0	1	2
ADH1B	0	1	0	0	0	0	0	0	0	1	2
SMCR7	0	1	0	0	0	0	0	0	0	1	2
RNF19B	0	1	0	0	0	0	0	0	0	1	2
RNF19B	0	1	0	0	0	0	0	0	0	1	2
TATDN3	0	1	0	0	0	0	0	0	0	1	2
ZNF831	0	1	0	0	0	0	0	0	0	1	2
COL4A5	0	1	0	0	0	0	0	0	0	1	2

COL5A2	0	1	0	0	0	0	0	0	0	1	2
COL10A1	0	1	0	0	0	0	0	0	0	1	2
ICA1L	0	1	0	0	0	0	0	0	0	1	2
ICA1L	0	1	0	0	0	0	0	0	0	1	2
TMEM178	0	1	0	0	0	0	0	0	0	1	2
DKFZp667G2110	0	1	0	0	0	0	0	0	0	1	2
EGFLAM	0	1	0	0	0	0	0	0	0	1	2
LOC136242	0	1	0	0	0	0	0	0	0	1	2
C7orf31	0	1	0	0	0	0	0	0	0	1	2
ZNF572	0	1	0	0	0	0	0	0	0	1	2
CPT1B	0	1	0	0	0	0	0	0	0	1	2
HDX	0	1	0	0	0	0	0	0	0	1	2
TRPM6	0	1	0	0	0	0	0	0	0	1	2
TRUB1	0	1	0	0	0	0	0	0	0	1	2
LYSMD4	0	1	0	0	0	0	0	0	0	1	2
FAM81A	0	1	0	0	0	0	0	0	0	1	2
ZFP90	0	1	0	0	0	0	0	0	0	1	2
UNC45B	0	1	0	0	0	0	0	0	0	1	2
ZNF480	0	1	0	0	0	0	0	0	0	1	2
CSTF3	0	1	0	0	0	0	0	0	0	1	2
ZNF582	0	1	0	0	0	0	0	0	0	1	2
ZNF681	0	1	0	0	0	0	0	0	0	1	2
SLC35F3	0	1	0	0	0	0	0	0	0	1	2
HFE2	0	1	0	0	0	0	0	0	0	1	2
C1orf76	0	1	0	0	0	0	0	0	0	1	2
MFSD4	0	1	0	0	0	0	0	0	0	1	2
SLC30A7	0	1	0	0	0	0	0	0	0	1	2
CTLA4	0	1	0	0	0	0	0	0	0	1	2
CLDN19	0	1	0	0	0	0	0	0	0	1	2
CLDN19	0	1	0	0	0	0	0	0	0	1	2
DNAJB7	0	1	0	0	0	0	0	0	0	1	2
SMYD1	0	1	0	0	0	0	0	0	0	1	2
ALS2CR13	0	1	0	0	0	0	0	0	0	1	2
CTSE	0	1	0	0	0	0	0	0	0	1	2
CTSE	0	1	0	0	0	0	0	0	0	1	2
BTLA	0	1	0	0	0	0	0	0	0	1	2
ZCWPW2	0	1	0	0	0	0	0	0	0	1	2
CMTM8	0	1	0	0	0	0	0	0	0	1	2
SPINK5L3	0	1	0	0	0	0	0	0	0	1	2
TMEM167	0	1	0	0	0	0	0	0	0	1	2

TMEM161B	0	1	0	0	0	0	0	0	0	1	2
CYBB	0	1	0	0	0	0	0	0	0	1	2
ARSK	0	1	0	0	0	0	0	0	0	1	2
FAM81B	0	1	0	0	0	0	0	0	0	1	2
PRELID2	0	1	0	0	0	0	0	0	0	1	2
SAMD3	0	1	0	0	0	0	0	0	0	1	2
SLC2A12	0	1	0	0	0	0	0	0	0	1	2
CYP1B1	0	1	0	0	0	0	0	0	0	1	2
AMOT	0	1	0	0	0	0	0	0	0	1	2
AMOTL1	0	1	0	0	0	0	0	0	0	1	2
SLC7A13	0	1	0	0	0	0	0	0	0	1	2
MOSPD2	0	1	0	0	0	0	0	0	0	1	2
SLC5A12	0	1	0	0	0	0	0	0	0	1	2
CCDC67	0	1	0	0	0	0	0	0	0	1	2
CD55	0	1	0	0	0	0	0	0	0	1	2
CD55	0	1	0	0	0	0	0	0	0	1	2
TMTC3	0	1	0	0	0	0	0	0	0	1	2
SLFN5	0	1	0	0	0	0	0	0	0	1	2
ZNF100	0	1	0	0	0	0	0	0	0	1	2
BBS12	0	1	0	0	0	0	0	0	0	1	2
DCLK2	0	1	0	0	0	0	0	0	0	1	2
DCP2	0	1	0	0	0	0	0	0	0	1	2
LIX1	0	1	0	0	0	0	0	0	0	1	2
BMPER	0	1	0	0	0	0	0	0	0	1	2
ADAMTS19	0	1	0	0	0	0	0	0	0	1	2
DMP1	0	1	0	0	0	0	0	0	0	1	2
DNAH5	0	1	0	0	0	0	0	0	0	1	2
DSC2	0	1	0	0	0	0	0	0	0	1	2
DSC2	0	1	0	0	0	0	0	0	0	1	2
RCAN1	0	1	0	0	0	0	0	0	0	1	2
DUSP6	0	1	0	0	0	0	0	0	0	1	2
E2F2	0	1	0	0	0	0	0	0	0	1	2
EDG2	0	1	0	0	0	0	0	0	0	1	2
EDN3	0	1	0	0	0	0	0	0	0	1	2
EDN3	0	1	0	0	0	0	0	0	0	1	2
EDN3	0	1	0	0	0	0	0	0	0	1	2
CELSR3	0	1	0	0	0	0	0	0	0	1	2
EGR2	0	1	0	0	0	0	0	0	0	1	2
EHHADH	0	1	0	0	0	0	0	0	0	1	2
CCDC131	0	1	0	0	0	0	0	0	0	1	2
EIF5	0	1	0	0	0	0	0	0	0	1	2

ZNF585A	0	1	0	0	0	0	0	0	0	1	2
PLD5	0	1	0	0	0	0	0	0	0	1	2
ELN	0	1	0	0	0	0	0	0	0	1	2
EML1	0	1	0	0	0	0	0	0	0	1	2
LOC201229	0	1	0	0	0	0	0	0	0	1	2
FAM116A	0	1	0	0	0	0	0	0	0	1	2
EMX2	0	1	0	0	0	0	0	0	0	1	2
AIM1	0	1	0	0	0	0	0	0	0	1	2
ENSA	0	1	0	0	0	0	0	0	0	1	2
C9orf72	0	1	0	0	0	0	0	0	0	1	2
NRK	0	1	0	0	0	0	0	0	0	1	2
EPB49	0	1	0	0	0	0	0	0	0	1	2
STOM	0	1	0	0	0	0	0	0	0	1	2
SENP5	0	1	0	0	0	0	0	0	0	1	2
ERF	0	1	0	0	0	0	0	0	0	1	2
EXTL2	0	1	0	0	0	0	0	0	0	1	2
FABP2	0	1	0	0	0	0	0	0	0	1	2
FABP7	0	1	0	0	0	0	0	0	0	1	2
ACSL3	0	1	0	0	0	0	0	0	0	1	2
ATAD3C	0	1	0	0	0	0	0	0	0	1	2
ZNF25	0	1	0	0	0	0	0	0	0	1	2
PATL1	0	1	0	0	0	0	0	0	0	1	2
ORAOV1	0	1	0	0	0	0	0	0	0	1	2
KIF6	0	1	0	0	0	0	0	0	0	1	2
AOF1	0	1	0	0	0	0	0	0	0	1	2
FCGRT	0	1	0	0	0	0	0	0	0	1	2
KCTD20	0	1	0	0	0	0	0	0	0	1	2
PXT1	0	1	0	0	0	0	0	0	0	1	2
FECH	0	1	0	0	0	0	0	0	0	1	2
ALDH3A2	0	1	0	0	0	0	0	0	0	1	2
FGF2	0	1	0	0	0	0	0	0	0	1	2
FGFR2	0	1	0	0	0	0	0	0	0	1	2
CASC3	0	1	0	0	0	0	0	0	0	1	2
IKZF2	0	1	0	0	0	0	0	0	0	1	2
PLEKHA6	0	1	0	0	0	0	0	0	0	1	2
INPP5F	0	1	0	0	0	0	0	0	0	1	2
MLXIP	0	1	0	0	0	0	0	0	0	1	2
CLSTN1	0	1	0	0	0	0	0	0	0	1	2
FOXJ3	0	1	0	0	0	0	0	0	0	1	2
CD93	0	1	0	0	0	0	0	0	0	1	2
RAB18	0	1	0	0	0	0	0	0	0	1	2

RPIA	0	1	0	0	0	0	0	0	0	1	2
ELL2	0	1	0	0	0	0	0	0	0	1	2
DKK1	0	1	0	0	0	0	0	0	0	1	2
NT5C2	0	1	0	0	0	0	0	0	0	1	2
RP4-691N24.1	0	1	0	0	0	0	0	0	0	1	2
MAPKBP1	0	1	0	0	0	0	0	0	0	1	2
UNC13A	0	1	0	0	0	0	0	0	0	1	2
ZNF609	0	1	0	0	0	0	0	0	0	1	2
KIAA0082	0	1	0	0	0	0	0	0	0	1	2
MYCBP2	0	1	0	0	0	0	0	0	0	1	2
ERC1	0	1	0	0	0	0	0	0	0	1	2
IQSEC2	0	1	0	0	0	0	0	0	0	1	2
IQSEC2	0	1	0	0	0	0	0	0	0	1	2
FLII	0	1	0	0	0	0	0	0	0	1	2
ANKLE2	0	1	0	0	0	0	0	0	0	1	2
MLANA	0	1	0	0	0	0	0	0	0	1	2
KIAA0157	0	1	0	0	0	0	0	0	0	1	2
LPIN1	0	1	0	0	0	0	0	0	0	1	2
DIP2A	0	1	0	0	0	0	0	0	0	1	2
JMJD6	0	1	0	0	0	0	0	0	0	1	2
ARHGEF9	0	1	0	0	0	0	0	0	0	1	2
PLCB1	0	1	0	0	0	0	0	0	0	1	2
PLCB1	0	1	0	0	0	0	0	0	0	1	2
RP1-21O18.1	0	1	0	0	0	0	0	0	0	1	2
CLEC16A	0	1	0	0	0	0	0	0	0	1	2
KIF13B	0	1	0	0	0	0	0	0	0	1	2
C22orf9	0	1	0	0	0	0	0	0	0	1	2
FMR1	0	1	0	0	0	0	0	0	0	1	2
RPGRIP1L	0	1	0	0	0	0	0	0	0	1	2
DMN	0	1	0	0	0	0	0	0	0	1	2
DNAJC16	0	1	0	0	0	0	0	0	0	1	2
SMCHD1	0	1	0	0	0	0	0	0	0	1	2
KIAA0841	0	1	0	0	0	0	0	0	0	1	2
USP24	0	1	0	0	0	0	0	0	0	1	2
NUDCD3	0	1	0	0	0	0	0	0	0	1	2
DICER1	0	1	0	0	0	0	0	0	0	1	2
SIRT5	0	1	0	0	0	0	0	0	0	1	2
SIRT3	0	1	0	0	0	0	0	0	0	1	2
ABCB10	0	1	0	0	0	0	0	0	0	1	2
SEC11A	0	1	0	0	0	0	0	0	0	1	2
TTC9	0	1	0	0	0	0	0	0	0	1	2

RPL13A	0	1	0	0	0	0	0	0	0	1	2
TTC33	0	1	0	0	0	0	0	0	0	1	2
TSPAN12	0	1	0	0	0	0	0	0	0	1	2
TMEM50A	0	1	0	0	0	0	0	0	0	1	2
SSBP2	0	1	0	0	0	0	0	0	0	1	2
C9orf5	0	1	0	0	0	0	0	0	0	1	2
OSBP2	0	1	0	0	0	0	0	0	0	1	2
FLRT2	0	1	0	0	0	0	0	0	0	1	2
FXN	0	1	0	0	0	0	0	0	0	1	2
FXN	0	1	0	0	0	0	0	0	0	1	2
SLC17A8	0	1	0	0	0	0	0	0	0	1	2
ADAM2	0	1	0	0	0	0	0	0	0	1	2
NR5A1	0	1	0	0	0	0	0	0	0	1	2
FNDC5	0	1	0	0	0	0	0	0	0	1	2
EBF3	0	1	0	0	0	0	0	0	0	1	2
MSRB3	0	1	0	0	0	0	0	0	0	1	2
GARNL1	0	1	0	0	0	0	0	0	0	1	2
FLJ25778	0	1	0	0	0	0	0	0	0	1	2
MPV17L	0	1	0	0	0	0	0	0	0	1	2
MPV17L	0	1	0	0	0	0	0	0	0	1	2
LRRC57	0	1	0	0	0	0	0	0	0	1	2
COL29A1	0	1	0	0	0	0	0	0	0	1	2
GABRB3	0	1	0	0	0	0	0	0	0	1	2
MAP7D2	0	1	0	0	0	0	0	0	0	1	2
RIPK5	0	1	0	0	0	0	0	0	0	1	2
GCA	0	1	0	0	0	0	0	0	0	1	2
MOBKL3	0	1	0	0	0	0	0	0	0	1	2
SOSTDC1	0	1	0	0	0	0	0	0	0	1	2
TIPARP	0	1	0	0	0	0	0	0	0	1	2
ULK3	0	1	0	0	0	0	0	0	0	1	2
HIGD1A	0	1	0	0	0	0	0	0	0	1	2
GIGYF2	0	1	0	0	0	0	0	0	0	1	2
LSM14A	0	1	0	0	0	0	0	0	0	1	2
LSM14A	0	1	0	0	0	0	0	0	0	1	2
FGFR1OP2	0	1	0	0	0	0	0	0	0	1	2
GAS1	0	1	0	0	0	0	0	0	0	1	2
AMD1	0	1	0	0	0	0	0	0	0	1	2
PITPNC1	0	1	0	0	0	0	0	0	0	1	2
PITPNC1	0	1	0	0	0	0	0	0	0	1	2
FBXO2	0	1	0	0	0	0	0	0	0	1	2
MYCBP	0	1	0	0	0	0	0	0	0	1	2

GBAS	0	1	0	0	0	0	0	0	0	1	2
GCNT1	0	1	0	0	0	0	0	0	0	1	2
TIMM10	0	1	0	0	0	0	0	0	0	1	2
IL1F5	0	1	0	0	0	0	0	0	0	1	2
MYEOV	0	1	0	0	0	0	0	0	0	1	2
NAP1L5	0	1	0	0	0	0	0	0	0	1	2
GHR	0	1	0	0	0	0	0	0	0	1	2
RANBP6	0	1	0	0	0	0	0	0	0	1	2
NBEA	0	1	0	0	0	0	0	0	0	1	2
RNF11	0	1	0	0	0	0	0	0	0	1	2
GJA3	0	1	0	0	0	0	0	0	0	1	2
FOXD3	0	1	0	0	0	0	0	0	0	1	2
C1orf107	0	1	0	0	0	0	0	0	0	1	2
STAU2	0	1	0	0	0	0	0	0	0	1	2
PDCD4	0	1	0	0	0	0	0	0	0	1	2
GCLM	0	1	0	0	0	0	0	0	0	1	2
TMEM97	0	1	0	0	0	0	0	0	0	1	2
GLI2	0	1	0	0	0	0	0	0	0	1	2
EML4	0	1	0	0	0	0	0	0	0	1	2
GMFB	0	1	0	0	0	0	0	0	0	1	2
GNAI1	0	1	0	0	0	0	0	0	0	1	2
GNAI3	0	1	0	0	0	0	0	0	0	1	2
GNAZ	0	1	0	0	0	0	0	0	0	1	2
GNRHR	0	1	0	0	0	0	0	0	0	1	2
GNRHR	0	1	0	0	0	0	0	0	0	1	2
GPD1	0	1	0	0	0	0	0	0	0	1	2
P4HA3	0	1	0	0	0	0	0	0	0	1	2
ANKRD52	0	1	0	0	0	0	0	0	0	1	2
C14orf24	0	1	0	0	0	0	0	0	0	1	2
PIGW	0	1	0	0	0	0	0	0	0	1	2
GDPD1	0	1	0	0	0	0	0	0	0	1	2
ZIK1	0	1	0	0	0	0	0	0	0	1	2
LYPD5	0	1	0	0	0	0	0	0	0	1	2
ZNF283	0	1	0	0	0	0	0	0	0	1	2
FLJ40235	0	1	0	0	0	0	0	0	0	1	2
ZNF493	0	1	0	0	0	0	0	0	0	1	2
C3orf64	0	1	0	0	0	0	0	0	0	1	2
LOC285382	0	1	0	0	0	0	0	0	0	1	2
WDR21B	0	1	0	0	0	0	0	0	0	1	2
GRK6	0	1	0	0	0	0	0	0	0	1	2
GRB14	0	1	0	0	0	0	0	0	0	1	2

GRIA3	0	1	0	0	0	0	0	0	0	1	2
GRID1	0	1	0	0	0	0	0	0	0	1	2
GRM7	0	1	0	0	0	0	0	0	0	1	2
GRM7	0	1	0	0	0	0	0	0	0	1	2
CXCL3	0	1	0	0	0	0	0	0	0	1	2
GRSF1	0	1	0	0	0	0	0	0	0	1	2
GTF2I	0	1	0	0	0	0	0	0	0	1	2
CARD10	0	1	0	0	0	0	0	0	0	1	2
GPR171	0	1	0	0	0	0	0	0	0	1	2
H1F0	0	1	0	0	0	0	0	0	0	1	2
ANXA4	0	1	0	0	0	0	0	0	0	1	2
VSX1	0	1	0	0	0	0	0	0	0	1	2
KCNIP2	0	1	0	0	0	0	0	0	0	1	2
HGF	0	1	0	0	0	0	0	0	0	1	2
MNX1	0	1	0	0	0	0	0	0	0	1	2
HMGB1	0	1	0	0	0	0	0	0	0	1	2
HNRPH1	0	1	0	0	0	0	0	0	0	1	2
HNRPK	0	1	0	0	0	0	0	0	0	1	2
HNRNPU	0	1	0	0	0	0	0	0	0	1	2
HOXB8	0	1	0	0	0	0	0	0	0	1	2
HOXB9	0	1	0	0	0	0	0	0	0	1	2
HSPA1B	0	1	0	0	0	0	0	0	0	1	2
HSPA5	0	1	0	0	0	0	0	0	0	1	2
APLP2	0	1	0	0	0	0	0	0	0	1	2
FOXN2	0	1	0	0	0	0	0	0	0	1	2
HTR1F	0	1	0	0	0	0	0	0	0	1	2
HTR7	0	1	0	0	0	0	0	0	0	1	2
HTR7	0	1	0	0	0	0	0	0	0	1	2
HTR7	0	1	0	0	0	0	0	0	0	1	2
IAPP	0	1	0	0	0	0	0	0	0	1	2
CLEC4D	0	1	0	0	0	0	0	0	0	1	2
FAM19A2	0	1	0	0	0	0	0	0	0	1	2
ZNF260	0	1	0	0	0	0	0	0	0	1	2
SLC35D3	0	1	0	0	0	0	0	0	0	1	2
IDS	0	1	0	0	0	0	0	0	0	1	2
LOC342897	0	1	0	0	0	0	0	0	0	1	2
IFRD1	0	1	0	0	0	0	0	0	0	1	2
RILPL1	0	1	0	0	0	0	0	0	0	1	2
IL3	0	1	0	0	0	0	0	0	0	1	2
IL12RB2	0	1	0	0	0	0	0	0	0	1	2
FOXK2	0	1	0	0	0	0	0	0	0	1	2

INSIG1	0	1	0	0	0	0	0	0	0	1	2
INSIG1	0	1	0	0	0	0	0	0	0	1	2
INSIG1	0	1	0	0	0	0	0	0	0	1	2
ITGB3	0	1	0	0	0	0	0	0	0	1	2
ITPKB	0	1	0	0	0	0	0	0	0	1	2
TEPP	0	1	0	0	0	0	0	0	0	1	2
FAM73A	0	1	0	0	0	0	0	0	0	1	2
RBM43	0	1	0	0	0	0	0	0	0	1	2
RAB15	0	1	0	0	0	0	0	0	0	1	2
KCNJ12	0	1	0	0	0	0	0	0	0	1	2
KCNJ13	0	1	0	0	0	0	0	0	0	1	2
ARF3	0	1	0	0	0	0	0	0	0	1	2
KCNMB1	0	1	0	0	0	0	0	0	0	1	2
KRT2	0	1	0	0	0	0	0	0	0	1	2
KRT5	0	1	0	0	0	0	0	0	0	1	2
RGS9BP	0	1	0	0	0	0	0	0	0	1	2
ZNF470	0	1	0	0	0	0	0	0	0	1	2
FLJ34931	0	1	0	0	0	0	0	0	0	1	2
FLJ41603	0	1	0	0	0	0	0	0	0	1	2
SAMD5	0	1	0	0	0	0	0	0	0	1	2
RBM12B	0	1	0	0	0	0	0	0	0	1	2
AFF3	0	1	0	0	0	0	0	0	0	1	2
LASP1	0	1	0	0	0	0	0	0	0	1	2
ZNF321	0	1	0	0	0	0	0	0	0	1	2
FLJ40142	0	1	0	0	0	0	0	0	0	1	2
LMO7	0	1	0	0	0	0	0	0	0	1	2
LMX1A	0	1	0	0	0	0	0	0	0	1	2
KLHL31	0	1	0	0	0	0	0	0	0	1	2
LRP2	0	1	0	0	0	0	0	0	0	1	2
MARCKS	0	1	0	0	0	0	0	0	0	1	2
SMAD9	0	1	0	0	0	0	0	0	0	1	2
ACCN2	0	1	0	0	0	0	0	0	0	1	2
MAGEA1	0	1	0	0	0	0	0	0	0	1	2
MAGEA5	0	1	0	0	0	0	0	0	0	1	2
ARSB	0	1	0	0	0	0	0	0	0	1	2
MAGEA11	0	1	0	0	0	0	0	0	0	1	2
MAGEB2	0	1	0	0	0	0	0	0	0	1	2
MAGEB3	0	1	0	0	0	0	0	0	0	1	2
MAGEB4	0	1	0	0	0	0	0	0	0	1	2
MCL1	0	1	0	0	0	0	0	0	0	1	2
MCL1	0	1	0	0	0	0	0	0	0	1	2

CD46	0	1	0	0	0	0	0	0	0	1	2
ME1	0	1	0	0	0	0	0	0	0	1	2
METTL1	0	1	0	0	0	0	0	0	0	1	2
METTL1	0	1	0	0	0	0	0	0	0	1	2
MGAT2	0	1	0	0	0	0	0	0	0	1	2
MITF	0	1	0	0	0	0	0	0	0	1	2
MMP1	0	1	0	0	0	0	0	0	0	1	2
MRE11A	0	1	0	0	0	0	0	0	0	1	2
LOC441108	0	1	0	0	0	0	0	0	0	1	2
FAM47C	0	1	0	0	0	0	0	0	0	1	2
MTCP1	0	1	0	0	0	0	0	0	0	1	2
MYB	0	1	0	0	0	0	0	0	0	1	2
MYO1C	0	1	0	0	0	0	0	0	0	1	2
PPP1R12B	0	1	0	0	0	0	0	0	0	1	2
NAB1	0	1	0	0	0	0	0	0	0	1	2
ACLY	0	1	0	0	0	0	0	0	0	1	2
NEK1	0	1	0	0	0	0	0	0	0	1	2
NF1	0	1	0	0	0	0	0	0	0	1	2
NFYA	0	1	0	0	0	0	0	0	0	1	2
NMT1	0	1	0	0	0	0	0	0	0	1	2
NOV	0	1	0	0	0	0	0	0	0	1	2
NT5E	0	1	0	0	0	0	0	0	0	1	2
NTRK2	0	1	0	0	0	0	0	0	0	1	2
ATP2B4	0	1	0	0	0	0	0	0	0	1	2
ATP2B4	0	1	0	0	0	0	0	0	0	1	2
OAT	0	1	0	0	0	0	0	0	0	1	2
CLDN20	0	1	0	0	0	0	0	0	0	1	2
OXTR	0	1	0	0	0	0	0	0	0	1	2
PAFAH1B1	0	1	0	0	0	0	0	0	0	1	2
SLC45A1	0	1	0	0	0	0	0	0	0	1	2
PDCL	0	1	0	0	0	0	0	0	0	1	2
IMPG2	0	1	0	0	0	0	0	0	0	1	2
NMD3	0	1	0	0	0	0	0	0	0	1	2
TNNI3K	0	1	0	0	0	0	0	0	0	1	2
SEPSECS	0	1	0	0	0	0	0	0	0	1	2
RNFT1	0	1	0	0	0	0	0	0	0	1	2
INSIG2	0	1	0	0	0	0	0	0	0	1	2
HSD17B12	0	1	0	0	0	0	0	0	0	1	2
HSD17B11	0	1	0	0	0	0	0	0	0	1	2
PCTK2	0	1	0	0	0	0	0	0	0	1	2
TXNDC3	0	1	0	0	0	0	0	0	0	1	2

PDCD2	0	1	0	0	0	0	0	0	0	1	2
ZNF589	0	1	0	0	0	0	0	0	0	1	2
SNX9	0	1	0	0	0	0	0	0	0	1	2
CTDSPL2	0	1	0	0	0	0	0	0	0	1	2
PDE1B	0	1	0	0	0	0	0	0	0	1	2
PPHLN1	0	1	0	0	0	0	0	0	0	1	2
PEX5L	0	1	0	0	0	0	0	0	0	1	2
NT5DC3	0	1	0	0	0	0	0	0	0	1	2
RAB6B	0	1	0	0	0	0	0	0	0	1	2
PDGFRB	0	1	0	0	0	0	0	0	0	1	2
PPIL1	0	1	0	0	0	0	0	0	0	1	2
GPRC5B	0	1	0	0	0	0	0	0	0	1	2
RAB23	0	1	0	0	0	0	0	0	0	1	2
FBXO40	0	1	0	0	0	0	0	0	0	1	2
ERAP1	0	1	0	0	0	0	0	0	0	1	2
C9orf127	0	1	0	0	0	0	0	0	0	1	2
ATP5G3	0	1	0	0	0	0	0	0	0	1	2
GALNT7	0	1	0	0	0	0	0	0	0	1	2
PEX1	0	1	0	0	0	0	0	0	0	1	2
PFKFB2	0	1	0	0	0	0	0	0	0	1	2
PFKFB4	0	1	0	0	0	0	0	0	0	1	2
PHF2	0	1	0	0	0	0	0	0	0	1	2
PIK3R1	0	1	0	0	0	0	0	0	0	1	2
PITPNA	0	1	0	0	0	0	0	0	0	1	2
PLCG1	0	1	0	0	0	0	0	0	0	1	2
CLIC6	0	1	0	0	0	0	0	0	0	1	2
POLR2D	0	1	0	0	0	0	0	0	0	1	2
ANKIB1	0	1	0	0	0	0	0	0	0	1	2
APBB1IP	0	1	0	0	0	0	0	0	0	1	2
POU2F2	0	1	0	0	0	0	0	0	0	1	2
MRPL50	0	1	0	0	0	0	0	0	0	1	2
TOMM7	0	1	0	0	0	0	0	0	0	1	2
SGTB	0	1	0	0	0	0	0	0	0	1	2
ATRX	0	1	0	0	0	0	0	0	0	1	2
FAM63B	0	1	0	0	0	0	0	0	0	1	2
MED1	0	1	0	0	0	0	0	0	0	1	2
KIF1A	0	1	0	0	0	0	0	0	0	1	2
SLC6A20	0	1	0	0	0	0	0	0	0	1	2
TMED9	0	1	0	0	0	0	0	0	0	1	2
RAB39	0	1	0	0	0	0	0	0	0	1	2
DNAJB12	0	1	0	0	0	0	0	0	0	1	2

DNAJB12	0	1	0	0	0	0	0	0	0	1	2
MBTD1	0	1	0	0	0	0	0	0	0	1	2
FAM29A	0	1	0	0	0	0	0	0	0	1	2
GIPC2	0	1	0	0	0	0	0	0	0	1	2
KLHL28	0	1	0	0	0	0	0	0	0	1	2
TRPM7	0	1	0	0	0	0	0	0	0	1	2
GIN1	0	1	0	0	0	0	0	0	0	1	2
VPS13C	0	1	0	0	0	0	0	0	0	1	2
SYTL2	0	1	0	0	0	0	0	0	0	1	2
CNTLN	0	1	0	0	0	0	0	0	0	1	2
HEATR2	0	1	0	0	0	0	0	0	0	1	2
IMPAD1	0	1	0	0	0	0	0	0	0	1	2
PPM1A	0	1	0	0	0	0	0	0	0	1	2
PPM1A	0	1	0	0	0	0	0	0	0	1	2
COMMD8	0	1	0	0	0	0	0	0	0	1	2
C1orf56	0	1	0	0	0	0	0	0	0	1	2
ACSM5	0	1	0	0	0	0	0	0	0	1	2
ZNF770	0	1	0	0	0	0	0	0	0	1	2
FAM118A	0	1	0	0	0	0	0	0	0	1	2
HERC6	0	1	0	0	0	0	0	0	0	1	2
C14orf119	0	1	0	0	0	0	0	0	0	1	2
PLEKHB2	0	1	0	0	0	0	0	0	0	1	2
VPS37C	0	1	0	0	0	0	0	0	0	1	2
C7orf42	0	1	0	0	0	0	0	0	0	1	2
WDR60	0	1	0	0	0	0	0	0	0	1	2
ARHGAP17	0	1	0	0	0	0	0	0	0	1	2
C6orf166	0	1	0	0	0	0	0	0	0	1	2
GOLPH3L	0	1	0	0	0	0	0	0	0	1	2
TMEM57	0	1	0	0	0	0	0	0	0	1	2
PNMAL1	0	1	0	0	0	0	0	0	0	1	2
PNMAL1	0	1	0	0	0	0	0	0	0	1	2
PANK4	0	1	0	0	0	0	0	0	0	1	2
MCOLN3	0	1	0	0	0	0	0	0	0	1	2
C4orf19	0	1	0	0	0	0	0	0	0	1	2
CCDC91	0	1	0	0	0	0	0	0	0	1	2
CNO	0	1	0	0	0	0	0	0	0	1	2
SYNJ2BP	0	1	0	0	0	0	0	0	0	1	2
LSG1	0	1	0	0	0	0	0	0	0	1	2
STYK1	0	1	0	0	0	0	0	0	0	1	2
C4orf16	0	1	0	0	0	0	0	0	0	1	2
TRPV6	0	1	0	0	0	0	0	0	0	1	2

TRIM36	0	1	0	0	0	0	0	0	0	1	2
DHTKD1	0	1	0	0	0	0	0	0	0	1	2
FAM48A	0	1	0	0	0	0	0	0	0	1	2
UBE2Q1	0	1	0	0	0	0	0	0	0	1	2
CCDC132	0	1	0	0	0	0	0	0	0	1	2
KIF16B	0	1	0	0	0	0	0	0	0	1	2
PRR5	0	1	0	0	0	0	0	0	0	1	2
DEPDC1	0	1	0	0	0	0	0	0	0	1	2
PRKAB1	0	1	0	0	0	0	0	0	0	1	2
HIF1AN	0	1	0	0	0	0	0	0	0	1	2
PRKACB	0	1	0	0	0	0	0	0	0	1	2
ODZ3	0	1	0	0	0	0	0	0	0	1	2
CEP72	0	1	0	0	0	0	0	0	0	1	2
BTBD7	0	1	0	0	0	0	0	0	0	1	2
HHAT	0	1	0	0	0	0	0	0	0	1	2
C14orf108	0	1	0	0	0	0	0	0	0	1	2
MBD5	0	1	0	0	0	0	0	0	0	1	2
PRKCI	0	1	0	0	0	0	0	0	0	1	2
WWC3	0	1	0	0	0	0	0	0	0	1	2
PKN2	0	1	0	0	0	0	0	0	0	1	2
PRKD1	0	1	0	0	0	0	0	0	0	1	2
WSB2	0	1	0	0	0	0	0	0	0	1	2
ZNF302	0	1	0	0	0	0	0	0	0	1	2
NXT2	0	1	0	0	0	0	0	0	0	1	2
BCAP29	0	1	0	0	0	0	0	0	0	1	2
BCAP29	0	1	0	0	0	0	0	0	0	1	2
PDGFC	0	1	0	0	0	0	0	0	0	1	2
PCDHB7	0	1	0	0	0	0	0	0	0	1	2
PRKY	0	1	0	0	0	0	0	0	0	1	2
PRLR	0	1	0	0	0	0	0	0	0	1	2
BEX4	0	1	0	0	0	0	0	0	0	1	2
PRPS2	0	1	0	0	0	0	0	0	0	1	2
EIF5A2	0	1	0	0	0	0	0	0	0	1	2
SUCNR1	0	1	0	0	0	0	0	0	0	1	2
TMEM9B	0	1	0	0	0	0	0	0	0	1	2
SPHK2	0	1	0	0	0	0	0	0	0	1	2
RAD18	0	1	0	0	0	0	0	0	0	1	2
CDC42SE1	0	1	0	0	0	0	0	0	0	1	2
MDM1	0	1	0	0	0	0	0	0	0	1	2
PAK6	0	1	0	0	0	0	0	0	0	1	2
C5orf15	0	1	0	0	0	0	0	0	0	1	2

ANKMY2	0	1	0	0	0	0	0	0	0	1	2
JPH2	0	1	0	0	0	0	0	0	0	1	2
JPH2	0	1	0	0	0	0	0	0	0	1	2
ZMIZ1	0	1	0	0	0	0	0	0	0	1	2
ATP8B2	0	1	0	0	0	0	0	0	0	1	2
ZNF286A	0	1	0	0	0	0	0	0	0	1	2
PTGFR	0	1	0	0	0	0	0	0	0	1	2
PTGFR	0	1	0	0	0	0	0	0	0	1	2
MRS2	0	1	0	0	0	0	0	0	0	1	2
RAB22A	0	1	0	0	0	0	0	0	0	1	2
CYP20A1	0	1	0	0	0	0	0	0	0	1	2
PTGS1	0	1	0	0	0	0	0	0	0	1	2
ZNF490	0	1	0	0	0	0	0	0	0	1	2
FAM80B	0	1	0	0	0	0	0	0	0	1	2
SRGAP1	0	1	0	0	0	0	0	0	0	1	2
KCTD16	0	1	0	0	0	0	0	0	0	1	2
MIB1	0	1	0	0	0	0	0	0	0	1	2
ZNF624	0	1	0	0	0	0	0	0	0	1	2
KLHL14	0	1	0	0	0	0	0	0	0	1	2
ZNF319	0	1	0	0	0	0	0	0	0	1	2
ZNF471	0	1	0	0	0	0	0	0	0	1	2
KIAA1430	0	1	0	0	0	0	0	0	0	1	2
STIM2	0	1	0	0	0	0	0	0	0	1	2
MIER1	0	1	0	0	0	0	0	0	0	1	2
MIER1	0	1	0	0	0	0	0	0	0	1	2
KIAA1622	0	1	0	0	0	0	0	0	0	1	2
KIAA1622	0	1	0	0	0	0	0	0	0	1	2
PTPRN2	0	1	0	0	0	0	0	0	0	1	2
PTPRR	0	1	0	0	0	0	0	0	0	1	2
ABCD3	0	1	0	0	0	0	0	0	0	1	2
MS4A7	0	1	0	0	0	0	0	0	0	1	2
PRUNE	0	1	0	0	0	0	0	0	0	1	2
BCAT1	0	1	0	0	0	0	0	0	0	1	2
RAB1A	0	1	0	0	0	0	0	0	0	1	2
RAB3IL1	0	1	0	0	0	0	0	0	0	1	2
RAB4A	0	1	0	0	0	0	0	0	0	1	2
RAB6A	0	1	0	0	0	0	0	0	0	1	2
RAD17	0	1	0	0	0	0	0	0	0	1	2
RAP1GDS1	0	1	0	0	0	0	0	0	0	1	2
RB1	0	1	0	0	0	0	0	0	0	1	2
PLEKHA2	0	1	0	0	0	0	0	0	0	1	2

KLHL12	0	1	0	0	0	0	0	0	0	1	2
RDX	0	1	0	0	0	0	0	0	0	1	2
RFX4	0	1	0	0	0	0	0	0	0	1	2
RGS1	0	1	0	0	0	0	0	0	0	1	2
RGS2	0	1	0	0	0	0	0	0	0	1	2
AFAP1	0	1	0	0	0	0	0	0	0	1	2
SAV1	0	1	0	0	0	0	0	0	0	1	2
FASTKD5	0	1	0	0	0	0	0	0	0	1	2
SMAP1	0	1	0	0	0	0	0	0	0	1	2
BCL9	0	1	0	0	0	0	0	0	0	1	2
RORB	0	1	0	0	0	0	0	0	0	1	2
BCR	0	1	0	0	0	0	0	0	0	1	2
CTXN3	0	1	0	0	0	0	0	0	0	1	2
RPL27A	0	1	0	0	0	0	0	0	0	1	2
RREB1	0	1	0	0	0	0	0	0	0	1	2
RSU1	0	1	0	0	0	0	0	0	0	1	2
MAPK12	0	1	0	0	0	0	0	0	0	1	2
SCML1	0	1	0	0	0	0	0	0	0	1	2
SCN4A	0	1	0	0	0	0	0	0	0	1	2
SCN4B	0	1	0	0	0	0	0	0	0	1	2
SDC4	0	1	0	0	0	0	0	0	0	1	2
SDCBP	0	1	0	0	0	0	0	0	0	1	2
MRPL17	0	1	0	0	0	0	0	0	0	1	2
PBLD	0	1	0	0	0	0	0	0	0	1	2
LRRC4	0	1	0	0	0	0	0	0	0	1	2
C10orf54	0	1	0	0	0	0	0	0	0	1	2
ABCG5	0	1	0	0	0	0	0	0	0	1	2
NSD1	0	1	0	0	0	0	0	0	0	1	2
LMBR1	0	1	0	0	0	0	0	0	0	1	2
NFKBIZ	0	1	0	0	0	0	0	0	0	1	2
MMP25	0	1	0	0	0	0	0	0	0	1	2
GREM2	0	1	0	0	0	0	0	0	0	1	2
DCLRE1C	0	1	0	0	0	0	0	0	0	1	2
SGCD	0	1	0	0	0	0	0	0	0	1	2
SGCD	0	1	0	0	0	0	0	0	0	1	2
GPR135	0	1	0	0	0	0	0	0	0	1	2
UNKL	0	1	0	0	0	0	0	0	0	1	2
MFSD1	0	1	0	0	0	0	0	0	0	1	2
C6orf106	0	1	0	0	0	0	0	0	0	1	2
IQCH	0	1	0	0	0	0	0	0	0	1	2
IQCH	0	1	0	0	0	0	0	0	0	1	2

OBFC2A	0	1	0	0	0	0	0	0	0	1	2
RANBP17	0	1	0	0	0	0	0	0	0	1	2
MRPL34	0	1	0	0	0	0	0	0	0	1	2
SLC6A6	0	1	0	0	0	0	0	0	0	1	2
SLC8A1	0	1	0	0	0	0	0	0	0	1	2
SLC9A2	0	1	0	0	0	0	0	0	0	1	2
SLC14A1	0	1	0	0	0	0	0	0	0	1	2
SLC16A1	0	1	0	0	0	0	0	0	0	1	2
SNAI2	0	1	0	0	0	0	0	0	0	1	2
DLK2	0	1	0	0	0	0	0	0	0	1	2
SNAPC1	0	1	0	0	0	0	0	0	0	1	2
SNCA	0	1	0	0	0	0	0	0	0	1	2
SOAT1	0	1	0	0	0	0	0	0	0	1	2
SOX11	0	1	0	0	0	0	0	0	0	1	2
BRCA1	0	1	0	0	0	0	0	0	0	1	2
BRCA1	0	1	0	0	0	0	0	0	0	1	2
SSTR2	0	1	0	0	0	0	0	0	0	1	2
STAT1	0	1	0	0	0	0	0	0	0	1	2
STAU1	0	1	0	0	0	0	0	0	0	1	2
STK10	0	1	0	0	0	0	0	0	0	1	2
MED22	0	1	0	0	0	0	0	0	0	1	2
BTC	0	1	0	0	0	0	0	0	0	1	2
SYN2	0	1	0	0	0	0	0	0	0	1	2
SYPL1	0	1	0	0	0	0	0	0	0	1	2
SYT4	0	1	0	0	0	0	0	0	0	1	2
TACC1	0	1	0	0	0	0	0	0	0	1	2
TAF2	0	1	0	0	0	0	0	0	0	1	2
TAF4B	0	1	0	0	0	0	0	0	0	1	2
TAF7	0	1	0	0	0	0	0	0	0	1	2
TAP1	0	1	0	0	0	0	0	0	0	1	2
TEF	0	1	0	0	0	0	0	0	0	1	2
TEK	0	1	0	0	0	0	0	0	0	1	2
THBS1	0	1	0	0	0	0	0	0	0	1	2
THBS2	0	1	0	0	0	0	0	0	0	1	2
TLL2	0	1	0	0	0	0	0	0	0	1	2
TNNI1	0	1	0	0	0	0	0	0	0	1	2
TNP1	0	1	0	0	0	0	0	0	0	1	2
TRAF5	0	1	0	0	0	0	0	0	0	1	2
TUFT1	0	1	0	0	0	0	0	0	0	1	2
TULP3	0	1	0	0	0	0	0	0	0	1	2
UBE2E1	0	1	0	0	0	0	0	0	0	1	2

UBE2L3	0	1	0	0	0	0	0	0	0	1	2
UBE2L3	0	1	0	0	0	0	0	0	0	1	2
UBTF	0	1	0	0	0	0	0	0	0	1	2
UGDH	0	1	0	0	0	0	0	0	0	1	2
VSNL1	0	1	0	0	0	0	0	0	0	1	2
WIPF1	0	1	0	0	0	0	0	0	0	1	2
WNT5A	0	1	0	0	0	0	0	0	0	1	2
YY1	0	1	0	0	0	0	0	0	0	1	2
ZFP161	0	1	0	0	0	0	0	0	0	1	2
ZNF12	0	1	0	0	0	0	0	0	0	1	2
ZNF182	0	1	0	0	0	0	0	0	0	1	2
ZNF24	0	1	0	0	0	0	0	0	0	1	2
ZNF33A	0	1	0	0	0	0	0	0	0	1	2
TRIM25	0	1	0	0	0	0	0	0	0	1	2
ZNF180	0	1	0	0	0	0	0	0	0	1	2
ZNF187	0	1	0	0	0	0	0	0	0	1	2
ZNF192	0	1	0	0	0	0	0	0	0	1	2
CACNA1C	0	1	0	0	0	0	0	0	0	1	2
CACNA1E	0	1	0	0	0	0	0	0	0	1	2
ZNF228	0	1	0	0	0	0	0	0	0	1	2
ZNF230	0	1	0	0	0	0	0	0	0	1	2
LAPTM5	0	1	0	0	0	0	0	0	0	1	2
BTG2	0	1	0	0	0	0	0	0	0	1	2
PXDN	0	1	0	0	0	0	0	0	0	1	2
AHNAK	0	1	0	0	0	0	0	0	0	1	2
ALDH5A1	0	1	0	0	0	0	0	0	0	1	2
MFSD11	0	1	0	0	0	0	0	0	0	1	2
BRCC3	0	1	0	0	0	0	0	0	0	1	2
ZBED2	0	1	0	0	0	0	0	0	0	1	2
RNF219	0	1	0	0	0	0	0	0	0	1	2
ADIPOR2	0	1	0	0	0	0	0	0	0	1	2
C5orf23	0	1	0	0	0	0	0	0	0	1	2
VTCN1	0	1	0	0	0	0	0	0	0	1	2
C22orf29	0	1	0	0	0	0	0	0	0	1	2
MANEA	0	1	0	0	0	0	0	0	0	1	2
GALNT12	0	1	0	0	0	0	0	0	0	1	2
GLT25D1	0	1	0	0	0	0	0	0	0	1	2
MORC4	0	1	0	0	0	0	0	0	0	1	2
MAFK	0	1	0	0	0	0	0	0	0	1	2
SNIP1	0	1	0	0	0	0	0	0	0	1	2
MOBKL2B	0	1	0	0	0	0	0	0	0	1	2

C13orf34	0	1	0	0	0	0	0	0	0	1	2
CXorf45	0	1	0	0	0	0	0	0	0	1	2
UBA5	0	1	0	0	0	0	0	0	0	1	2
L2HGDH	0	1	0	0	0	0	0	0	0	1	2
CALD1	0	1	0	0	0	0	0	0	0	1	2
FLJ13611	0	1	0	0	0	0	0	0	0	1	2
C12orf30	0	1	0	0	0	0	0	0	0	1	2
SEMA6D	0	1	0	0	0	0	0	0	0	1	2
SIKE	0	1	0	0	0	0	0	0	0	1	2
FUZ	0	1	0	0	0	0	0	0	0	1	2
FBXO11	0	1	0	0	0	0	0	0	0	1	2
NUBPL	0	1	0	0	0	0	0	0	0	1	2
CEP63	0	1	0	0	0	0	0	0	0	1	2
PDGFD	0	1	0	0	0	0	0	0	0	1	2
LRRC27	0	1	0	0	0	0	0	0	0	1	2
WDR61	0	1	0	0	0	0	0	0	0	1	2
PDHX	0	1	0	0	0	0	0	0	0	1	2
AKNA	0	1	0	0	0	0	0	0	0	1	2
KIAA1712	0	1	0	0	0	0	0	0	0	1	2
JHDM1D	0	1	0	0	0	0	0	0	0	1	2
SETD7	0	1	0	0	0	0	0	0	0	1	2
GJA9	0	1	0	0	0	0	0	0	0	1	2
CALR	0	1	0	0	0	0	0	0	0	1	2
TXNDC1	0	1	0	0	0	0	0	0	0	1	2
FAM130A1	0	1	0	0	0	0	0	0	0	1	2
APOLD1	0	1	0	0	0	0	0	0	0	1	2
NIPA2	0	1	0	0	0	0	0	0	0	1	2
CAB39L	0	1	0	0	0	0	0	0	0	1	2
DIAPH3	0	1	0	0	0	0	0	0	0	1	2
ISCA1	0	1	0	0	0	0	0	0	0	1	2
TLR10	0	1	0	0	0	0	0	0	0	1	2
SFXN3	0	1	0	0	0	0	0	0	0	1	2
CANX	0	1	0	0	0	0	0	0	0	1	2
ACOX3	0	1	0	0	0	0	0	0	0	1	2
HSDL1	0	1	0	0	0	0	0	0	0	1	2
CALN1	0	1	0	0	0	0	0	0	0	1	2
ITCH	0	1	0	0	0	0	0	0	0	1	2
BCDO2	0	1	0	0	0	0	0	0	0	1	2
SLC25A2	0	1	0	0	0	0	0	0	0	1	2
STARD3NL	0	1	0	0	0	0	0	0	0	1	2
CTTNBP2	0	1	0	0	0	0	0	0	0	1	2

KREMEN1	0	1	0	0	0	0	0	0	0	1	2
BCAR3	0	1	0	0	0	0	0	0	0	1	2
ARID5B	0	1	0	0	0	0	0	0	0	1	2
MLSTD2	0	1	0	0	0	0	0	0	0	1	2
NBPF3	0	1	0	0	0	0	0	0	0	1	2
MGC3207	0	1	0	0	0	0	0	0	0	1	2
C12orf31	0	1	0	0	0	0	0	0	0	1	2
HVCN1	0	1	0	0	0	0	0	0	0	1	2
HPS3	0	1	0	0	0	0	0	0	0	1	2
ZNF528	0	1	0	0	0	0	0	0	0	1	2
KIAA1804	0	1	0	0	0	0	0	0	0	1	2
PHYHIPL	0	1	0	0	0	0	0	0	0	1	2
CUL4A	0	1	0	0	0	0	0	0	0	1	2
C6orf168	0	1	0	0	0	0	0	0	0	1	2
SLC12A8	0	1	0	0	0	0	0	0	0	1	2
TPST2	0	1	0	0	0	0	0	0	0	1	2
CASR	0	1	0	0	0	0	0	0	0	1	2
CNDP1	0	1	0	0	0	0	0	0	0	1	2
TXNDC17	0	1	0	0	0	0	0	0	0	1	2
RNFT2	0	1	0	0	0	0	0	0	0	1	2
NDST2	0	1	0	0	0	0	0	0	0	1	2
ZCCHC3	0	1	0	0	0	0	0	0	0	1	2
C4orf35	0	1	0	0	0	0	0	0	0	1	2
ZC3H12C	0	1	0	0	0	0	0	0	0	1	2
GFM1	0	1	0	0	0	0	0	0	0	1	2
TMEFF1	0	1	0	0	0	0	0	0	0	1	2
PPAP2B	0	1	0	0	0	0	0	0	0	1	2
CDS2	0	1	0	0	0	0	0	0	0	1	2
SUCLA2	0	1	0	0	0	0	0	0	0	1	2
NRP1	0	1	0	0	0	0	0	0	0	1	2
CD84	0	1	0	0	0	0	0	0	0	1	2
SOCS2	0	1	0	0	0	0	0	0	0	1	2
WISP1	0	1	0	0	0	0	0	0	0	1	2
ARHGEF7	0	1	0	0	0	0	0	0	0	1	2
MTMR2	0	1	0	0	0	0	0	0	0	1	2
AP1S2	0	1	0	0	0	0	0	0	0	1	2
GAL3ST3	0	1	0	0	0	0	0	0	0	1	2
NAV2	0	1	0	0	0	0	0	0	0	1	2
AQP10	0	1	0	0	0	0	0	0	0	1	2
TPD52L3	0	1	0	0	0	0	0	0	0	1	2
TRPA1	0	1	0	0	0	0	0	0	0	1	2

UBE3B	0	1	0	0	0	0	0	0	0	1	2
ATPBD4	0	1	0	0	0	0	0	0	0	1	2
SOCS3	0	1	0	0	0	0	0	0	0	1	2
CH25H	0	1	0	0	0	0	0	0	0	1	2
ZNF160	0	1	0	0	0	0	0	0	0	1	2
BMF	0	1	0	0	0	0	0	0	0	1	2
BMF	0	1	0	0	0	0	0	0	0	1	2
N4BP2L1	0	1	0	0	0	0	0	0	0	1	2
N4BP2L1	0	1	0	0	0	0	0	0	0	1	2
ANGPTL1	0	1	0	0	0	0	0	0	0	1	2
CLDN12	0	1	0	0	0	0	0	0	0	1	2
ANGEL2	0	1	0	0	0	0	0	0	0	1	2
EIF1AY	0	1	0	0	0	0	0	0	0	1	2
DNAJA3	0	1	0	0	0	0	0	0	0	1	2
USP8	0	1	0	0	0	0	0	0	0	1	2
CCDC34	0	1	0	0	0	0	0	0	0	1	2
SLC16A4	0	1	0	0	0	0	0	0	0	1	2
FAM44B	0	1	0	0	0	0	0	0	0	1	2
C9orf30	0	1	0	0	0	0	0	0	0	1	2
RABEP1	0	1	0	0	0	0	0	0	0	1	2
LOC91461	0	1	0	0	0	0	0	0	0	1	2
RSAD2	0	1	0	0	0	0	0	0	0	1	2
PLXNA4	0	1	0	0	0	0	0	0	0	1	2
ZNF830	0	1	0	0	0	0	0	0	0	1	2
KIAA1919	0	1	0	0	0	0	0	0	0	1	2
FAM55C	0	1	0	0	0	0	0	0	0	1	2
CHMP7	0	1	0	0	0	0	0	0	0	1	2
MYLK3	0	1	0	0	0	0	0	0	0	1	2
UBTD2	0	1	0	0	0	0	0	0	0	1	2
MAGI1	0	1	0	0	0	0	0	0	0	1	2
MAGI1	0	1	0	0	0	0	0	0	0	1	2
ZNF461	0	1	0	0	0	0	0	0	0	1	2
MEX3A	0	1	0	0	0	0	0	0	0	1	2
NOG	0	1	0	0	0	0	0	0	0	1	2
CCDC64	0	1	0	0	0	0	0	0	0	1	2
STK17A	0	1	0	0	0	0	0	0	0	1	2
GPR37L1	0	1	0	0	0	0	0	0	0	1	2
EDG5	0	1	0	0	0	0	0	0	0	1	2
SOCS6	0	1	0	0	0	0	0	0	0	1	2
MMP20	0	1	0	0	0	0	0	0	0	1	2
B4GALT5	0	1	0	0	0	0	0	0	0	1	2

TMEM32	0	1	0	0	0	0	0	0	0	1	2
ZNF670	0	1	0	0	0	0	0	0	0	1	2
HSPC105	0	1	0	0	0	0	0	0	0	1	2
UBE4A	0	1	0	0	0	0	0	0	0	1	2
CD28	0	1	0	0	0	0	0	0	0	1	2
SEP15	0	1	0	0	0	0	0	0	0	1	2
SEP15	0	1	0	0	0	0	0	0	0	1	2
MAP4K4	0	1	0	0	0	0	0	0	0	1	2
LY86	0	1	0	0	0	0	0	0	0	1	2
FHL5	0	1	0	0	0	0	0	0	0	1	2
PSMF1	0	1	0	0	0	0	0	0	0	1	2
SCARB2	0	1	0	0	0	0	0	0	0	1	2
STXBP5L	0	1	0	0	0	0	0	0	0	1	2
CD47	0	1	0	0	0	0	0	0	0	1	2
CD47	0	1	0	0	0	0	0	0	0	1	2
RGS6	0	1	0	0	0	0	0	0	0	1	2
FEZ1	0	1	0	0	0	0	0	0	0	1	2
N4BP1	0	1	0	0	0	0	0	0	0	1	2
CLINT1	0	1	0	0	0	0	0	0	0	1	2
VGLL4	0	1	0	0	0	0	0	0	0	1	2
RAPGEF2	0	1	0	0	0	0	0	0	0	1	2
FAM131B	0	1	0	0	0	0	0	0	0	1	2
HDAC9	0	1	0	0	0	0	0	0	0	1	2
ZNF536	0	1	0	0	0	0	0	0	0	1	2
HDAC4	0	1	0	0	0	0	0	0	0	1	2
KIAA0101	0	1	0	0	0	0	0	0	0	1	2
KIAA0101	0	1	0	0	0	0	0	0	0	1	2
TM9SF4	0	1	0	0	0	0	0	0	0	1	2
RIMS3	0	1	0	0	0	0	0	0	0	1	2
MTSS1	0	1	0	0	0	0	0	0	0	1	2
TOMM20	0	1	0	0	0	0	0	0	0	1	2
KIAA0753	0	1	0	0	0	0	0	0	0	1	2
KIAA0644	0	1	0	0	0	0	0	0	0	1	2
FAM20B	0	1	0	0	0	0	0	0	0	1	2
MAFB	0	1	0	0	0	0	0	0	0	1	2
AMMECR1	0	1	0	0	0	0	0	0	0	1	2
USP15	0	1	0	0	0	0	0	0	0	1	2
CDC27	0	1	0	0	0	0	0	0	0	1	2
MED13	0	1	0	0	0	0	0	0	0	1	2
PAK4	0	0	0	0	1	0	0	0	0	1	2
MYBPC1	0	0	0	0	1	1	0	0	0	0	2

WDR20	0	0	0	0	1	1	0	0	0	0	2
HCN4	0	1	0	1	0	0	0	0	0	0	2
HMG2L1	0	0	0	1	0	0	0	0	0	1	2
SH2D3C	1	0	0	1	0	0	0	0	0	0	2
GPC6	0	1	0	1	0	0	0	0	0	0	2
SGK2	1	0	0	1	0	0	0	0	0	0	2
AKAP9	1	0	0	1	0	0	0	0	0	0	2
CDH17	0	1	0	1	0	0	0	0	0	0	2
ATP6AP2	0	0	0	1	0	0	1	0	0	0	2
PAK4	0	0	0	1	0	0	0	0	0	1	2
B3GALT5	0	0	0	1	0	0	0	0	0	1	2
MRVI1	0	1	0	1	0	0	0	0	0	0	2
MRVI1	0	0	0	1	0	0	1	0	0	0	2
ADARB1	0	0	0	1	0	0	0	0	0	1	2
CDS1	0	1	0	1	0	0	0	0	0	0	2
SEC24B	1	0	0	1	0	0	0	0	0	0	2
RBM14	0	1	0	1	0	0	0	0	0	0	2
VAV3	1	0	0	1	0	0	0	0	0	0	2
TACC2	0	1	0	1	0	0	0	0	0	0	2
RAD51AP1	1	0	0	1	0	0	0	0	0	0	2
ZNF271	0	0	0	1	0	0	0	0	0	1	2
ZNF271	0	0	0	1	0	0	0	0	0	1	2
C11orf58	0	1	0	1	0	0	0	0	0	0	2
AP3M2	0	0	0	1	0	0	0	0	0	1	2
IL24	0	0	0	1	0	0	1	0	0	0	2
LILRB3	0	0	0	1	0	0	0	0	0	1	2
MID2	0	1	0	1	0	0	0	0	0	0	2
WWP1	0	0	0	1	0	0	0	0	0	1	2
ZWINT	1	0	0	1	0	0	0	0	0	0	2
RNF24	0	0	0	1	0	0	0	0	0	1	2
RNF24	0	0	0	1	0	0	0	0	0	1	2
CHN2	1	0	0	1	0	0	0	0	0	0	2
KLF8	0	1	0	1	0	0	0	0	0	0	2
MED8	0	0	0	1	1	0	0	0	0	0	2
RNF13	0	0	0	1	0	0	0	0	0	1	2
RNF13	0	0	0	1	0	0	0	0	0	1	2
C1QTNF3	1	0	0	1	0	0	0	0	0	0	2
CIDEA	1	0	0	1	0	0	0	0	0	0	2
CENTD1	0	0	0	1	0	0	0	0	0	1	2
GALNTL2	0	1	0	1	0	0	0	0	0	0	2
C18orf19	0	0	0	1	0	0	1	0	0	0	2

C18orf19	0	1	0	1	0	0	0	0	0	0	2
C18orf37	1	0	0	1	0	0	0	0	0	0	2
IRGQ	0	1	0	1	0	0	0	0	0	0	2
C19orf28	0	1	0	1	0	0	0	0	0	0	2
LIN54	1	0	0	1	0	0	0	0	0	0	2
LIN54	1	0	0	1	0	0	0	0	0	0	2
STXBP5	0	0	0	1	0	0	0	0	1	0	2
STXBP5	0	1	0	1	0	0	0	0	0	0	2
NCOA7	0	0	0	1	0	0	0	0	0	1	2
COX15	0	1	0	1	0	0	0	0	0	0	2
CPB2	0	1	0	1	0	0	0	0	0	0	2
CPT1A	0	1	0	1	0	0	0	0	0	0	2
VPS37A	0	1	0	1	0	0	0	0	0	0	2
CREM	1	0	0	1	0	0	0	0	0	0	2
CREM	1	0	0	1	0	0	0	0	0	0	2
CREM	1	0	0	1	0	0	0	0	0	0	2
CREM	1	0	0	1	0	0	0	0	0	0	2
CREM	1	0	0	1	0	0	0	0	0	0	2
CREM	1	0	0	1	0	0	0	0	0	0	2
HAPLN1	0	1	0	1	0	0	0	0	0	0	2
ASB7	0	1	0	1	0	0	0	0	0	0	2
MYO3B	1	0	0	1	0	0	0	0	0	0	2
C20orf112	0	1	0	1	0	0	0	0	0	0	2
SIRPA	1	0	0	1	0	0	0	0	0	0	2
DNHD1	1	0	0	1	0	0	0	0	0	0	2
WDR66	0	1	0	1	0	0	0	0	0	0	2
TOM1L2	0	0	0	1	0	0	0	0	0	1	2
CTH	1	0	0	1	0	0	0	0	0	0	2
CCDC17	0	0	0	1	0	0	0	0	0	1	2
CTNND1	0	0	0	1	0	0	0	0	0	1	2
CTNND1	0	0	0	1	0	0	0	0	0	1	2
CTNND1	0	0	0	1	0	0	0	0	0	1	2
CTNND1	0	0	0	1	0	0	0	0	0	1	2
CTNND1	0	0	0	1	0	0	0	0	0	1	2
ZNF385B	1	0	0	1	0	0	0	0	0	0	2
ZNF385B	1	0	0	1	0	0	0	0	0	0	2
FAM119A	0	0	0	1	0	0	0	0	0	1	2
SGOL2	0	1	0	1	0	0	0	0	0	0	2
CCDC50	0	1	0	1	0	0	0	0	0	0	2
RUNDC3B	0	1	0	1	0	0	0	0	0	0	2
RPESP	0	1	0	1	0	0	0	0	0	0	2

CYP26A1	0	0	0	1	0	0	0	0	0	1	2
DACH1	1	0	0	1	0	0	0	0	0	0	2
DACH1	1	0	0	1	0	0	0	0	0	0	2
CLEC12A	0	0	0	1	0	0	0	0	0	1	2
DGKB	0	1	0	1	0	0	0	0	0	0	2
DAXX	1	0	0	1	0	0	0	0	0	0	2
DDX5	0	1	0	1	0	0	0	0	0	0	2
AES	0	0	0	1	0	0	0	0	0	1	2
PSORS1C1	0	1	0	1	0	0	0	0	0	0	2
DIO2	0	0	0	1	0	0	0	0	0	1	2
ACAN	0	0	0	1	0	0	0	0	0	1	2
TRDMT1	0	0	0	1	0	0	0	0	0	1	2
TRDMT1	0	0	0	1	0	0	0	0	0	1	2
AGTR1	0	0	0	1	0	0	0	0	0	1	2
E2F5	0	0	0	1	0	0	0	0	0	1	2
EDA	1	0	0	1	0	0	0	0	0	0	2
EMP2	0	1	0	1	0	0	0	0	0	0	2
ESRRG	1	0	0	1	0	0	0	0	0	0	2
UNC5B	0	1	0	1	0	0	0	0	0	0	2
DOK6	0	1	0	1	0	0	0	0	0	0	2
OPN5	0	0	0	1	0	0	0	0	0	1	2
FGF9	0	1	0	1	0	0	0	0	0	0	2
RUFY3	0	1	0	1	0	0	0	0	0	0	2
FBXL11	0	0	0	1	0	0	1	0	0	0	2
LIMCH1	0	0	0	1	0	0	0	0	0	1	2
LIMCH1	0	0	0	1	0	0	0	0	0	1	2
LIMCH1	0	0	0	1	0	0	0	0	0	1	2
LIMCH1	0	0	0	1	0	0	0	0	0	1	2
WDFY3	0	0	0	1	0	0	0	0	0	1	2
TMCC1	0	0	0	1	0	0	0	0	0	1	2
XPO7	0	0	0	1	0	0	0	0	0	1	2
XPO7	0	0	0	1	0	0	0	0	0	1	2
ZBTB43	0	0	0	1	0	0	1	0	0	0	2
GARNL4	0	0	0	1	0	0	0	0	0	1	2
IQCE	0	0	0	1	0	0	0	0	0	1	2
SF3B3	0	1	0	1	0	0	0	0	0	0	2
ABCA5	0	1	0	1	0	0	0	0	0	0	2
CBX5	0	1	0	1	0	0	0	0	0	0	2
DDAH1	0	0	0	1	0	0	0	0	0	1	2
PATZ1	0	1	0	1	0	0	0	0	0	0	2
RUSC1	0	0	0	1	0	0	0	0	0	1	2

RUSC1	0	0	0	1	0	0	0	0	0	1	2
RUSC1	0	0	0	1	0	0	0	0	0	1	2
GAB1	0	1	0	1	0	0	0	0	0	0	2
MFSD8	0	1	0	1	0	0	0	0	0	0	2
KLK5	1	0	0	1	0	0	0	0	0	0	2
ARIH1	0	1	0	1	0	0	0	0	0	0	2
PRDX5	1	0	0	1	0	0	0	0	0	0	2
PRDX5	1	0	0	1	0	0	0	0	0	0	2
RCHY1	1	0	0	1	0	0	0	0	0	0	2
IFFO	0	0	0	1	0	0	0	0	0	1	2
TMEM87A	0	1	0	1	0	0	0	0	0	0	2
LOC26010	0	0	0	1	0	0	0	0	0	1	2
LOC26010	0	0	0	1	0	0	0	0	0	1	2
SETBP1	0	1	0	1	0	0	0	0	0	0	2
GIGYF2	0	0	0	1	0	0	0	0	0	1	2
GIGYF2	0	0	0	1	0	0	0	0	0	1	2
HERC4	1	0	0	1	0	0	0	0	0	0	2
GFPT1	0	1	0	1	0	0	0	0	0	0	2
GFRA1	0	0	0	1	0	0	0	0	0	1	2
EIF2AK1	0	0	0	1	0	0	0	0	0	1	2
GNAO1	0	1	0	1	0	0	0	0	0	0	2
GNAO1	0	1	0	1	0	0	0	0	0	0	2
GNAT1	0	1	0	1	0	0	0	0	0	0	2
GNAT1	0	1	0	1	0	0	0	0	0	0	2
SLCO3A1	0	1	0	1	0	0	0	0	0	0	2
C12orf64	0	0	0	1	0	0	1	0	0	0	2
GLT8D3	0	0	0	1	0	0	0	0	0	1	2
LYPD5	0	0	0	1	0	0	0	0	0	1	2
C9orf126	0	1	0	1	0	0	0	0	0	0	2
MRPL42	1	0	0	1	0	0	0	0	0	0	2
MRPL42	1	0	0	1	0	0	0	0	0	0	2
MCTS1	0	1	0	1	0	0	0	0	0	0	2
HIPK2	0	0	0	1	0	0	0	0	0	1	2
GRIN2A	1	0	0	1	0	0	0	0	0	0	2
MRPL22	0	1	0	1	0	0	0	0	0	0	2
TAGLN3	1	0	0	1	0	0	0	0	0	0	2
RACGAP1	1	0	0	1	0	0	0	0	0	0	2
GRM8	0	1	0	1	0	0	0	0	0	0	2
GRHL1	0	0	0	1	0	0	1	0	0	0	2
ALG6	0	1	0	1	0	0	0	0	0	0	2
SH3KBP1	1	0	0	1	0	0	0	0	0	0	2

EMR2	0	0	0	1	0	0	0	0	0	1	2
EMR2	0	0	0	1	0	0	0	0	0	1	2
ANXA6	0	0	0	1	0	0	0	0	0	1	2
UBE2K	0	0	0	1	0	0	0	0	0	1	2
EIF4E3	1	0	0	1	0	0	0	0	0	0	2
EIF4E3	1	0	0	1	0	0	0	0	0	0	2
HNRNPC	0	0	0	1	0	0	0	0	0	1	2
FAS	0	0	0	1	0	0	0	0	0	1	2
FAS	0	0	0	1	0	0	0	0	0	1	2
FAS	0	0	0	1	0	0	0	0	0	1	2
FAS	0	0	0	1	0	0	0	0	0	1	2
AQP4	0	0	0	1	0	0	0	0	0	1	2
ING1	1	0	0	1	0	0	0	0	0	0	2
ING1	1	0	0	1	0	0	0	0	0	0	2
INPP4A	0	1	0	1	0	0	0	0	0	0	2
IRF5	0	0	0	1	0	0	0	0	0	1	2
IRF5	0	0	0	1	0	0	0	0	0	1	2
ITGB1	0	1	0	1	0	0	0	0	0	0	2
KCNG1	0	0	0	1	0	0	1	0	0	0	2
KCNH1	0	1	0	1	0	0	0	0	0	0	2
LOC388969	0	1	0	1	0	0	0	0	0	0	2
LAMA3	1	0	0	1	0	0	0	0	0	0	2
LAMA3	1	0	0	1	0	0	0	0	0	0	2
LAMP2	0	1	0	1	0	0	0	0	0	0	2
ARHGAP6	0	0	0	1	0	0	1	0	0	0	2
ARHGAP6	1	0	0	1	0	0	0	0	0	0	2
C8orf59	0	0	0	1	0	0	0	0	0	1	2
C8orf59	0	0	0	1	0	0	0	0	0	1	2
LOX	0	1	0	1	0	0	0	0	0	0	2
GTF2H5	0	1	0	1	0	0	0	0	0	0	2
SMAD5	0	0	0	1	0	0	1	0	0	0	2
SMAD5	1	0	0	1	0	0	0	0	0	0	2
MAGEB1	1	0	0	1	0	0	0	0	0	0	2
ARSD	0	1	0	1	0	0	0	0	0	0	2
MCC	0	0	0	1	0	0	0	0	0	1	2
CD46	0	0	0	1	0	0	0	0	0	1	2
CD46	0	0	0	1	0	0	0	0	0	1	2
CD46	0	0	0	1	0	0	0	0	0	1	2
CD46	0	0	0	1	0	0	0	0	0	1	2
MDM2	0	1	0	1	0	0	0	0	0	0	2
MDM2	0	1	0	1	0	0	0	0	0	0	2

MDM2	0	1	0	1	0	0	0	0	0	0	2
MEF2A	1	0	0	1	0	0	0	0	0	0	2
MEF2A	1	0	0	1	0	0	0	0	0	0	2
MEF2A	1	0	0	1	0	0	0	0	0	0	2
MME	0	0	0	1	0	0	0	0	0	1	2
MME	0	0	0	1	0	0	0	0	0	1	2
ASPH	0	1	0	1	0	0	0	0	0	0	2
ASPH	0	1	0	1	0	0	0	0	0	0	2
MYL1	1	0	0	1	0	0	0	0	0	0	2
NAP1L1	0	1	0	1	0	0	0	0	0	0	2
NBL1	1	0	0	1	0	0	0	0	0	0	2
NUBP1	0	1	0	1	0	0	0	0	0	0	2
ATM	0	0	0	1	0	0	0	0	0	1	2
NF2	0	1	0	1	0	0	0	0	0	0	2
NRCAM	0	0	0	1	0	0	0	0	0	1	2
NTRK2	0	0	0	1	0	0	0	0	0	1	2
OGN	0	0	0	1	0	0	0	0	0	1	2
PAX6	0	1	0	1	0	0	0	0	0	0	2
F11R	0	0	0	1	0	0	0	0	0	1	2
PBX1	0	1	0	1	0	0	0	0	0	0	2
PCBP2	0	1	0	1	0	0	0	0	0	0	2
ABHD5	0	1	0	1	0	0	0	0	0	0	2
METTL9	1	0	0	1	0	0	0	0	0	0	2
SUV420H1	0	1	0	1	0	0	0	0	0	0	2
RNF12	0	1	0	1	0	0	0	0	0	0	2
IRAK4	0	0	0	1	0	0	0	0	0	1	2
TUBE1	0	1	0	1	0	0	0	0	0	0	2
C5orf5	1	0	0	1	0	0	0	0	0	0	2
C5orf5	1	0	0	1	0	0	0	0	0	0	2
C4orf18	1	0	0	1	0	0	0	0	0	0	2
DACT1	1	0	0	1	0	0	0	0	0	0	2
MBTPS2	0	1	0	1	0	0	0	0	0	0	2
NCKIPSD	1	0	0	1	0	0	0	0	0	0	2
ARMCX3	0	0	0	1	0	0	0	0	0	1	2
FKBP7	0	1	0	1	0	0	0	0	0	0	2
CAB39	1	0	0	1	0	0	0	0	0	0	2
CAB39	1	0	0	1	0	0	0	0	0	0	2
PFKFB2	0	0	0	1	0	0	0	0	0	1	2
SERPINA1	0	1	0	1	0	0	0	0	0	0	2
SERPINA1	0	0	1	1	0	0	0	0	0	0	2
PLP1	1	0	0	1	0	0	0	0	0	0	2

FAM105A	0	1	0	1	0	0	0	0	0	0	2
EGLN1	0	1	0	1	0	0	0	0	0	0	2
FLJ20674	0	1	0	1	0	0	0	0	0	0	2
A2BP1	0	1	0	1	0	0	0	0	0	0	2
A2BP1	0	1	0	1	0	0	0	0	0	0	2
ZNF586	0	0	0	1	0	0	0	0	0	1	2
ZNF280D	0	0	0	1	0	0	0	0	0	1	2
RP11-35N6.1	1	0	0	1	0	0	0	0	0	0	2
CTF8	0	1	0	1	0	0	0	0	0	0	2
CTF8	1	0	0	1	0	0	0	0	0	0	2
PID1	1	0	0	1	0	0	0	0	0	0	2
AIM1L	0	0	0	1	0	0	0	0	0	1	2
SLC25A36	0	0	0	1	0	0	0	0	0	1	2
VPS13D	1	0	0	1	0	0	0	0	0	0	2
BBS7	0	1	0	1	0	0	0	0	0	0	2
LEPREL1	0	1	0	1	0	0	0	0	0	0	2
PPP2R5C	0	1	0	1	0	0	0	0	0	0	2
QRSL1	0	1	0	1	0	0	0	0	0	0	2
FLJ11151	0	0	0	1	0	0	0	0	0	1	2
PPP6C	0	1	0	1	0	0	0	0	0	0	2
DDX43	0	1	0	1	0	0	0	0	0	0	2
GALNT10	0	0	0	1	0	0	0	0	0	1	2
ZNF83	0	0	0	1	0	0	0	0	0	1	2
ZNF83	0	0	0	1	0	0	0	0	0	1	2
ZNF83	0	0	0	1	0	0	0	0	0	1	2
ZNF83	0	0	0	1	0	0	0	0	0	1	2
RIOK2	0	1	0	1	0	0	0	0	0	0	2
IQWD1	1	0	0	1	0	0	0	0	0	0	2
MAPK9	0	1	0	1	0	0	0	0	0	0	2
DNAJC3	0	1	0	1	0	0	0	0	0	0	2
LRRC8A	1	0	0	1	0	0	0	0	0	0	2
KCNQ5	1	0	0	1	0	0	0	0	0	0	2
KLK7	0	0	0	1	0	0	0	0	0	1	2
PSAP	0	0	0	1	0	0	0	0	0	1	2
PSG11	0	0	0	1	0	0	0	0	0	1	2
UGCGL1	0	1	0	1	0	0	0	0	0	0	2
KIAA1191	1	0	0	1	0	0	0	0	0	0	2
GPR126	0	0	0	1	0	0	0	0	0	1	2
SMEK2	1	0	0	1	0	0	0	0	0	0	2
PTCH1	0	0	0	1	0	0	0	0	0	1	2
PTCH1	0	0	0	1	0	0	0	0	0	1	2

PTCH1	0	0	0	1	0	0	0	0	0	1	2
PTCH1	0	0	0	1	0	0	0	0	0	1	2
PTCH1	0	0	0	1	0	0	0	0	0	1	2
SENP7	1	0	0	1	0	0	0	0	0	0	2
PTPRC	0	0	0	1	0	0	0	0	0	1	2
PTPRD	1	0	0	1	0	0	0	0	0	0	2
PTPRD	1	0	0	1	0	0	0	0	0	0	2
PTPRD	1	0	0	1	0	0	0	0	0	0	2
PTPRJ	0	1	0	1	0	0	0	0	0	0	2
PVR	0	1	0	1	0	0	0	0	0	0	2
PEX19	0	0	0	1	0	0	0	0	0	1	2
RBMS1	0	1	0	1	0	0	0	0	0	0	2
RNASE4	1	0	0	1	0	0	0	0	0	0	2
BDH1	1	0	0	1	0	0	0	0	0	0	2
RTN1	1	0	0	1	0	0	0	0	0	0	2
RTN1	1	0	0	1	0	0	0	0	0	0	2
SCP2	0	1	0	1	0	0	0	0	0	0	2
NPAS3	1	0	0	1	0	0	0	0	0	0	2
ERAP2	0	1	0	1	0	0	0	0	0	0	2
ARL6IP2	1	0	0	1	0	0	0	0	0	0	2
MS4A6A	0	0	0	1	0	0	0	0	0	1	2
RABL5	0	0	0	1	0	0	0	0	0	1	2
SLC12A3	0	1	0	1	0	0	0	0	0	0	2
SLCO1A2	0	1	0	1	0	0	0	0	0	0	2
SLCO1A2	0	0	0	1	0	0	1	0	0	0	2
SMARCC2	1	0	0	1	0	0	0	0	0	0	2
SMARCC2	1	0	0	1	0	0	0	0	0	0	2
SRI	0	0	0	1	0	0	0	0	0	1	2
TAF9	0	1	0	1	0	0	0	0	0	0	2
TBXA2R	1	0	0	1	0	0	0	0	0	0	2
TCF4	0	0	0	1	0	0	0	0	0	1	2
BTG1	0	1	0	1	0	0	0	0	0	0	2
TGFA	0	0	0	1	0	0	0	0	0	1	2
TPD52L2	1	0	0	1	0	0	0	0	0	0	2
TPD52L2	1	0	0	1	0	0	0	0	0	0	2
TPD52L2	1	0	0	1	0	0	0	0	0	0	2
TPD52L2	1	0	0	1	0	0	0	0	0	0	2
TPD52L2	1	0	0	1	0	0	0	0	0	0	2
TPM3	0	1	0	1	0	0	0	0	0	0	2
TSHR	0	1	0	1	0	0	0	0	0	0	2
TXNRD1	1	0	0	1	0	0	0	0	0	0	2

UBE3A	1	0	0	1	0	0	0	0	0	0	2
VEGFA	1	0	0	1	0	0	0	0	0	0	2
VEGFA	1	0	0	1	0	0	0	0	0	0	2
VEGFA	1	0	0	1	0	0	0	0	0	0	2
VEGFA	1	0	0	1	0	0	0	0	0	0	2
TRPV1	1	0	0	1	0	0	0	0	0	0	2
C1orf116	0	0	0	1	0	0	0	0	0	1	2
CHCHD7	0	1	0	1	0	0	0	0	0	0	2
CHCHD7	0	1	0	1	0	0	0	0	0	0	2
CALCA	0	0	0	1	0	0	0	0	0	1	2
RPAP3	0	1	0	1	0	0	0	0	0	0	2
SAP30L	0	1	0	1	0	0	0	0	0	0	2
ZNF419	0	0	0	1	0	0	0	0	0	1	2
CLMN	0	1	0	1	0	0	0	0	0	0	2
ALG9	0	0	0	1	0	0	0	0	0	1	2
CBLL1	0	1	0	1	0	0	0	0	0	0	2
SYNPO2L	1	0	0	1	0	0	0	0	0	0	2
MYST3	1	0	0	1	0	0	0	0	0	0	2
OBFC1	0	1	0	1	0	0	0	0	0	0	2
TRPM3	0	0	0	1	0	0	0	0	0	1	2
PTGES2	0	0	0	1	0	0	0	1	0	0	2
TM2D3	1	0	0	1	0	0	0	0	0	0	2
RAB11FIP1	1	0	0	1	0	0	0	0	0	0	2
WDR26	0	0	0	1	0	0	0	0	0	1	2
ADAM12	1	0	0	1	0	0	0	0	0	0	2
CSRP3	0	0	0	1	0	0	0	0	0	1	2
SSPN	0	1	0	1	0	0	0	0	0	0	2
DDHD1	0	0	0	1	0	0	1	0	0	0	2
TAF15	0	0	0	1	0	0	0	0	0	1	2
PLA2G12A	0	1	0	1	0	0	0	0	0	0	2
TSPAN14	1	0	0	1	0	0	0	0	0	0	2
COLQ	1	0	0	1	0	0	0	0	0	0	2
CASP1	0	0	0	1	0	0	0	0	0	1	2
CASP1	0	0	0	1	0	0	0	0	0	1	2
CASP1	0	0	0	1	0	0	0	0	0	1	2
LRRC48	0	0	0	1	0	0	0	0	0	1	2
APH1B	0	1	0	1	0	0	0	0	0	0	2
CD99L2	1	0	0	1	0	0	0	0	0	0	2
ATG10	0	0	0	1	0	0	0	0	0	1	2
MRO	0	1	0	1	0	0	0	0	0	0	2
MRO	0	0	0	1	0	0	1	0	0	0	2

FCAMR	0	1	0	1	0	0	0	0	0	0	2
FCAMR	1	0	0	1	0	0	0	0	0	0	2
NCALD	0	0	0	1	0	0	0	0	0	1	2
NCALD	0	0	0	1	0	0	0	0	0	1	2
NCALD	0	0	0	1	0	0	0	0	0	1	2
NCALD	0	0	0	1	0	0	0	0	0	1	2
REG4	0	1	0	1	0	0	0	0	0	0	2
CASP8	1	0	0	1	0	0	0	0	0	0	2
CASP8	1	0	0	1	0	0	0	0	0	0	2
CASP8	1	0	0	1	0	0	0	0	0	0	2
CASP8	1	0	0	1	0	0	0	0	0	0	2
ANTXR1	0	1	0	1	0	0	0	0	0	0	2
MGC13057	0	0	0	1	0	0	0	0	0	1	2
C8orf53	0	1	0	1	0	0	0	0	0	0	2
DYRK2	0	0	0	1	0	0	0	0	0	1	2
L3MBTL3	1	0	0	1	0	0	0	0	0	0	2
ZMAT1	1	0	0	1	0	0	0	0	0	0	2
CUL4B	1	0	0	1	0	0	0	0	0	0	2
ST6GAL2	0	1	0	1	0	0	0	0	0	0	2
GTPBP3	0	0	0	1	0	0	0	0	0	1	2
PTPN5	1	0	0	1	0	0	0	0	0	0	2
PEX3	0	1	0	1	0	0	0	0	0	0	2
DGKE	0	1	0	1	0	0	0	0	0	0	2
AGPS	0	1	0	1	0	0	0	0	0	0	2
CASK	1	0	0	1	0	0	0	0	0	0	2
CASK	1	0	0	1	0	0	0	0	0	0	2
SCARF1	0	1	0	1	0	0	0	0	0	0	2
SCARF1	0	0	0	1	0	0	1	0	0	0	2
STX16	1	0	0	1	0	0	0	0	0	0	2
B3GALT2	0	1	0	1	0	0	0	0	0	0	2
CCBL1	1	0	0	1	0	0	0	0	0	0	2
CCBL1	1	0	0	1	0	0	0	0	0	0	2
ARHGEF7	0	0	0	1	0	0	0	0	0	1	2
MTMR3	0	0	0	1	0	0	0	0	0	1	2
MTMR3	0	0	0	1	0	0	0	0	0	1	2
USP13	0	1	0	1	0	0	0	0	0	0	2
CCNG2	0	1	0	1	0	0	0	0	0	0	2
TAF1A	0	0	0	1	0	0	0	0	0	1	2
STARD13	1	0	0	1	0	0	0	0	0	0	2
STARD13	1	0	0	1	0	0	0	0	0	0	2
ZNF502	1	0	0	1	0	0	0	0	0	0	2

ZNF502	1	0	0	1	0	0	0	0	0	0	2
SLFN11	0	0	0	1	0	0	0	0	0	1	2
BUB3	0	1	0	1	0	0	0	0	0	0	2
XPR1	0	1	0	1	0	0	0	0	0	0	2
GGPS1	0	0	0	1	0	0	0	0	0	1	2
PREPL	1	0	0	1	0	0	0	0	0	0	2
PREPL	1	0	0	1	0	0	0	0	0	0	2
ENTPD4	0	1	0	1	0	0	0	0	0	0	2
AKAP12	1	0	0	1	0	0	0	0	0	0	2
GNA14	0	1	0	1	0	0	0	0	0	0	2
GCC2	0	0	0	1	0	0	0	0	0	1	2
CD59	0	0	0	1	0	0	0	0	0	1	2
CD59	0	0	0	1	0	0	0	0	0	1	2
GREB1	0	1	0	1	0	0	0	0	0	0	2
HERPUD1	1	0	0	1	0	0	0	0	0	0	2
HERPUD1	1	0	0	1	0	0	0	0	0	0	2
NOS1AP	0	0	0	1	0	0	0	0	0	1	2
CDC2	1	0	0	1	0	0	0	0	0	0	2
HEPH	1	0	0	1	0	0	0	0	0	0	2
HEPH	1	0	0	1	0	0	0	0	0	0	2
AKT3	1	0	0	0	0	0	0	0	0	1	2
BCL2L11	1	0	0	0	0	0	0	0	0	1	2
CDH7	1	0	0	0	0	0	0	0	0	1	2
CDH7	1	0	0	0	0	0	0	0	0	1	2
AKAP9	1	1	0	0	0	0	0	0	0	0	2
PAK4	1	0	0	0	0	0	0	0	0	1	2
B3GALT5	1	0	0	0	0	0	0	0	0	1	2
DLC1	1	0	0	0	0	0	0	0	0	1	2
BAIAP2	1	0	0	0	0	0	0	0	0	1	2
BAIAP2	1	0	0	0	0	0	0	0	0	1	2
PDLIM5	1	0	0	0	0	0	0	0	0	1	2
PDLIM5	1	0	0	0	0	0	0	0	0	1	2
ZMYND11	1	0	0	0	0	0	0	0	0	1	2
FUSIP1	1	1	0	0	0	0	0	0	0	0	2
FUSIP1	1	1	0	0	0	0	0	0	0	0	2
ZNF274	1	0	0	0	0	0	0	0	0	1	2
GJB6	1	0	0	0	0	0	0	0	0	1	2
ADAM28	1	0	0	0	0	0	0	0	0	1	2
MAN1A2	1	0	0	0	0	0	1	0	0	0	2
KDELR3	1	0	0	0	0	0	0	0	0	1	2
BTN2A1	1	1	0	0	0	0	0	0	0	0	2

ERLIN2	1	0	0	0	0	0	0	0	0	1	2
AP1GBP1	1	1	0	0	0	0	0	0	0	0	2
CASC4	1	0	0	0	0	0	0	0	0	1	2
OSBPL6	1	0	0	0	0	0	0	0	0	1	2
CATSPER2	1	0	0	0	0	0	0	0	0	1	2
CATSPER2	1	0	0	0	0	0	0	0	0	1	2
CLCN6	1	0	0	0	0	0	0	0	0	1	2
CLCN6	1	0	0	0	0	0	0	0	0	1	2
CLCN6	1	0	0	0	0	0	0	0	0	1	2
IKIP	1	0	0	0	0	0	0	0	0	1	2
IKIP	1	0	0	0	0	0	0	0	0	1	2
MSI2	1	0	0	0	0	0	0	0	0	1	2
CD200R1	1	0	0	0	0	0	0	0	0	1	2
CD200R1	1	0	0	0	0	0	0	0	0	1	2
C5orf33	1	0	0	0	0	0	0	0	0	1	2
ABRA	1	1	0	0	0	0	0	0	0	0	2
CRY2	1	0	0	0	0	0	0	0	0	1	2
ABHD12B	1	0	0	0	0	0	1	0	0	0	2
CSNK1G3	1	0	0	0	0	0	0	0	0	1	2
CSNK1G3	1	0	0	0	0	0	0	0	0	1	2
CMTM4	1	0	0	0	0	0	0	0	0	1	2
C18orf25	1	0	0	0	0	0	0	0	0	1	2
RNF38	1	0	0	0	0	0	0	0	0	1	2
VPS13B	1	0	0	0	0	0	0	0	0	1	2
VPS13B	1	0	0	0	0	0	0	0	0	1	2
C9orf66	1	0	0	0	0	0	1	0	0	0	2
ZNF483	1	0	0	0	0	0	0	0	0	1	2
AP2A2	1	0	0	0	0	0	1	0	0	0	2
ZNF780B	1	1	0	0	0	0	0	0	0	0	2
DCN	1	0	0	0	0	0	0	0	0	1	2
DCX	1	0	0	0	0	0	0	0	0	1	2
PIP5K3	1	0	0	0	0	0	0	0	0	1	2
PIP5K3	1	0	0	0	0	0	0	0	0	1	2
EPHA3	1	0	0	0	0	0	0	0	0	1	2
HIPK1	1	0	0	0	0	0	0	0	0	1	2
JMJD1C	1	1	0	0	0	0	0	0	0	0	2
RIMS1	1	1	0	0	0	0	0	0	0	0	2
CNOT1	1	0	0	0	0	0	0	0	0	1	2
USP33	1	0	0	0	0	0	0	0	0	1	2
CLASP2	1	0	0	0	0	0	0	0	0	1	2
KIAA0182	1	0	0	0	0	0	0	0	0	1	2

VPS13A	1	0	0	0	0	0	0	0	0	1	2
TRIM2	1	0	0	0	0	0	0	0	0	1	2
DOCK9	1	1	0	0	0	0	0	0	0	0	2
PSD3	1	0	0	0	0	0	0	0	0	1	2
KIAA0947	1	0	0	0	0	0	0	0	0	1	2
SRGAP2	1	0	0	0	0	0	0	0	0	1	2
SLC44A1	1	0	0	0	0	0	0	0	0	1	2
POFUT1	1	0	0	0	0	0	0	0	0	1	2
ZIM2	1	0	0	0	0	0	1	0	0	0	2
ATP6V1C2	1	0	0	0	0	0	0	0	0	1	2
IPMK	1	0	0	0	0	0	1	0	0	0	2
GABRG2	1	0	0	0	0	0	0	0	0	1	2
GALK2	1	1	0	0	0	0	0	0	0	0	2
POT1	1	0	0	0	0	0	0	0	0	1	2
POT1	1	0	0	0	0	0	0	0	0	1	2
WWTR1	1	0	0	0	0	0	1	0	0	0	2
MOXD1	1	0	0	0	0	0	0	0	0	1	2
AUTS2	1	0	0	0	0	0	0	0	0	1	2
AUTS2	1	0	0	0	0	0	0	0	0	1	2
WDR21A	1	0	0	0	0	0	0	0	0	1	2
FBXO24	1	1	0	0	0	0	0	0	0	0	2
FOXP1	1	0	0	0	0	0	0	0	0	1	2
TAF5L	1	0	0	0	0	0	0	0	0	1	2
GK	1	0	0	0	0	0	0	0	0	1	2
DISC1	1	0	0	0	0	0	0	0	0	1	2
DISC1	1	0	0	0	0	0	0	0	0	1	2
ARFIP1	1	0	0	0	0	0	0	0	0	1	2
BBS9	1	0	0	0	0	0	0	0	0	1	2
PCDH11X	1	0	0	0	0	0	0	0	0	1	2
PCDH11X	1	0	0	0	0	0	0	0	0	1	2
GPLD1	1	0	0	0	0	0	0	0	0	1	2
C12orf51	1	0	0	0	0	0	1	0	0	0	2
ANK1	1	0	0	0	0	0	0	0	0	1	2
MKNK2	1	0	0	0	0	0	0	0	0	1	2
NRG1	1	1	0	0	0	0	0	0	0	0	2
HNMT	1	0	0	0	0	0	0	0	0	1	2
HNMT	1	0	0	0	0	0	0	0	0	1	2
IGF1	1	0	0	0	0	0	0	0	0	1	2
RBPJ	1	0	0	0	0	0	1	0	0	0	2
ILF3	1	0	0	0	0	0	0	0	0	1	2
ILF3	1	0	0	0	0	0	0	0	0	1	2

ING1	1	0	0	0	0	0	1	0	0	0	2
KCNC2	1	0	0	0	0	0	0	0	0	1	2
LIMS1	1	1	0	0	0	0	0	0	0	0	2
LNPEP	1	0	0	0	0	0	1	0	0	0	2
LNPEP	1	1	0	0	0	0	0	0	0	0	2
SMAD5	1	1	0	0	0	0	0	0	0	0	2
MAF	1	0	0	0	0	0	0	0	0	1	2
MAGEB1	1	0	0	0	0	0	1	0	0	0	2
MSR1	1	0	0	0	0	0	0	0	0	1	2
ASTN1	1	0	0	0	0	0	0	0	0	1	2
PPP1R12B	1	0	0	0	0	0	0	0	0	1	2
NOVA1	1	0	0	0	0	0	0	0	0	1	2
NPHP1	1	0	0	0	0	0	0	0	0	1	2
NPHP1	1	0	0	0	0	0	0	0	0	1	2
NPHP1	1	0	0	0	0	0	0	0	0	1	2
NTRK3	1	0	0	0	0	0	1	0	0	0	2
ITSN2	1	0	0	0	0	0	0	0	0	1	2
PDE11A	1	0	0	0	0	0	0	0	0	1	2
PHF20L1	1	0	0	0	0	0	0	0	0	1	2
PCNT	1	0	0	0	0	0	0	0	0	1	2
NIN	1	0	0	0	0	0	0	0	0	1	2
NIN	1	0	0	0	0	0	0	0	0	1	2
NIN	1	0	0	0	0	0	0	0	0	1	2
POLK	1	0	0	0	0	0	0	0	0	1	2
ANKFY1	1	0	0	0	0	0	0	0	0	1	2
AZIN1	1	1	0	0	0	0	0	0	0	0	2
PLAGL1	1	0	0	0	0	0	1	0	0	0	2
BCL11A	1	0	0	0	0	0	0	0	0	1	2
BCL11A	1	0	0	0	0	0	0	0	0	1	2
PML	1	0	0	0	0	0	0	0	0	1	2
PML	1	0	0	0	0	0	0	0	0	1	2
PML	1	0	0	0	0	0	0	0	0	1	2
PML	1	0	0	0	0	0	0	0	0	1	2
PML	1	0	0	0	0	0	0	0	0	1	2
PML	1	0	0	0	0	0	0	0	0	1	2
FAM3B	1	0	0	0	0	0	0	0	0	1	2
C21orf91	1	0	0	0	0	0	0	0	0	1	2
MOV10L1	1	0	0	0	0	0	0	0	0	1	2
EPB41L4B	1	0	0	0	0	0	0	0	0	1	2
CCNJ	1	0	0	0	0	0	0	0	0	1	2
OTUD4	1	0	0	0	0	0	0	0	0	1	2

CNNM2	1	0	0	0	0	0	0	0	0	1	2
ZNF562	1	0	0	0	0	0	0	0	0	1	2
ZNF562	1	0	0	0	0	0	0	0	0	1	2
RBM35A	1	0	0	0	0	0	0	0	0	1	2
PPM1B	1	0	0	0	0	0	0	0	0	1	2
PPM1B	1	0	0	0	0	0	0	0	0	1	2
PPM1B	1	0	0	0	0	0	0	0	0	1	2
PPM1B	1	0	0	0	0	0	0	0	0	1	2
UACA	1	0	0	0	0	0	1	0	0	0	2
UACA	1	1	0	0	0	0	0	0	0	0	2
C10orf59	1	0	0	0	0	0	0	0	0	1	2
WDR33	1	0	0	0	0	0	0	0	0	1	2
TNFRSF19	1	0	0	0	0	0	0	0	0	1	2
BMP2K	1	0	0	0	0	0	0	0	0	1	2
RUFY2	1	0	0	0	0	0	0	0	0	1	2
ENAH	1	0	0	0	0	0	0	0	0	1	2
MAPK1	1	0	0	0	0	0	0	0	0	1	2
PCDHA6	1	0	0	0	0	0	0	0	0	1	2
PCDHA2	1	0	0	0	0	0	0	0	0	1	2
KIAA1217	1	0	0	0	0	0	0	0	0	1	2
KIAA1217	1	0	0	0	0	0	0	0	0	1	2
SPIRE1	1	0	0	0	0	0	0	0	0	1	2
PHTF2	1	0	0	0	0	0	0	0	0	1	2
ERGIC1	1	0	0	0	0	0	0	0	0	1	2
PTGER3	1	0	0	0	0	0	0	0	0	1	2
PTGER3	1	0	0	0	0	0	0	0	0	1	2
PTGER3	1	0	0	0	0	0	0	0	0	1	2
PTGER3	1	0	0	0	0	0	0	0	0	1	2
PTGER3	1	0	0	0	0	0	0	0	0	1	2
NDRG2	1	0	0	0	0	0	0	0	0	1	2
FAM40B	1	0	0	0	0	0	0	0	0	1	2
USP36	1	1	0	0	0	0	0	0	0	0	2
KIAA1462	1	0	0	0	0	0	0	0	0	1	2
ZFAT	1	0	0	0	0	0	0	0	0	1	2
POGK	1	0	0	0	0	0	1	0	0	0	2
ZBTB4	1	0	0	0	0	0	0	0	0	1	2
DENND1A	1	0	0	0	0	0	0	0	0	1	2
PTPRC	1	0	0	0	0	0	0	0	0	1	2
BCL2	1	0	0	0	0	0	0	0	0	1	2
RFX2	1	0	0	0	0	0	0	0	0	1	2
PRDM15	1	0	0	0	0	0	0	0	0	1	2

CDH23	1	0	0	0	0	0	0	0	0	1	2
PDLIM2	1	0	0	0	0	0	0	0	0	1	2
PDLIM2	1	0	0	0	0	0	0	0	0	1	2
S100PBP	1	0	0	0	0	0	0	0	0	1	2
DDX31	1	0	0	0	0	0	0	0	0	1	2
SIM1	1	0	0	0	0	0	0	0	0	1	2
CAPRIN2	1	0	0	0	0	0	0	0	0	1	2
DST	1	1	0	0	0	0	0	0	0	0	2
SPTBN1	1	0	0	0	0	0	0	0	0	1	2
SSRP1	1	0	0	0	0	0	0	0	1	0	2
VAMP1	1	1	0	0	0	0	0	0	0	0	2
TAP2	1	0	0	0	0	0	0	0	0	1	2
TFPI	1	0	0	0	0	0	0	0	0	1	2
THRA	1	1	0	0	0	0	0	0	0	0	2
TPD52	1	0	0	0	0	0	0	0	0	1	2
FLJ78302	1	1	0	0	0	0	0	0	0	0	2
UFD1L	1	1	0	0	0	0	0	0	0	0	2
UFD1L	1	1	0	0	0	0	0	0	0	0	2
WHSC1	1	0	0	0	0	0	0	0	0	1	2
ZMYM2	1	0	0	0	0	0	1	0	0	0	2
ZMYM2	1	1	0	0	0	0	0	0	0	0	2
CACNB4	1	0	0	0	0	0	0	0	0	1	2
ZNF655	1	0	0	0	0	0	0	0	0	1	2
ZNF655	1	0	0	0	0	0	0	0	0	1	2
ELOVL6	1	1	0	0	0	0	0	0	0	0	2
CENPO	1	0	0	0	0	0	1	0	0	0	2
BAT1	1	0	0	0	0	0	0	0	1	0	2
BAT1	1	1	0	0	0	0	0	0	0	0	2
GLB1L	1	0	0	0	0	0	0	1	0	0	2
NARG1L	1	0	0	0	0	0	0	0	0	1	2
FAM124B	1	1	0	0	0	0	0	0	0	0	2
ATP8B4	1	0	0	0	0	0	0	0	0	1	2
C7orf58	1	0	0	0	0	0	0	0	0	1	2
TRPM3	1	0	0	0	0	0	0	0	0	1	2
TRPM3	1	0	0	0	0	0	0	0	0	1	2
TRPM3	1	0	0	0	0	0	0	0	0	1	2
TRPM3	1	0	0	0	0	0	0	0	0	1	2
NR4A3	1	0	0	0	0	0	0	0	0	1	2
CAMK2D	1	0	0	0	0	0	0	0	0	1	2
PCDH11Y	1	0	0	0	0	0	0	0	0	1	2
PCDH11Y	1	0	0	0	0	0	0	0	0	1	2

DDX59	1	0	0	0	0	0	0	0	0	1	2
ARMC10	1	0	0	0	0	0	1	0	0	0	2
SYT15	1	0	0	0	0	0	0	0	0	1	2
SPATA9	1	0	0	0	0	0	0	0	0	1	2
SLC10A7	1	0	0	0	0	0	0	0	0	1	2
CAMKK1	1	0	0	0	0	0	0	0	0	1	2
MGC13057	1	0	0	0	0	0	0	0	0	1	2
EFCAB2	1	0	0	0	0	0	1	0	0	0	2
CASP10	1	0	0	0	0	0	0	0	0	1	2
NCK2	1	0	0	0	0	0	1	0	0	0	2
ATRN	1	0	0	0	0	0	0	0	0	1	2
CAPS2	1	0	0	0	0	0	1	0	0	0	2
PPFIA1	1	0	0	0	0	0	0	0	0	1	2
CDC14A	1	0	0	0	0	0	0	0	0	1	2
CDC14A	1	0	0	0	0	0	0	0	0	1	2
MADD	1	0	0	0	0	0	0	0	0	1	2
TP63	1	0	0	0	0	0	0	0	0	1	2
TP63	1	0	0	0	0	0	0	0	0	1	2
PDE5A	1	0	0	0	0	0	0	0	0	1	2
KRIT1	1	0	0	0	0	0	0	0	0	1	2
PHLDB2	1	0	0	0	0	0	0	0	0	1	2
ACVR1B	1	0	0	0	0	0	0	0	0	1	2
ACVR1B	1	0	0	0	0	0	0	0	0	1	2
CCDC149	1	0	0	0	0	0	0	0	0	1	2
MYADM	1	0	0	0	0	0	0	0	0	1	2
NRXN3	1	0	0	0	0	0	0	0	0	1	2
FOXP2	1	1	0	0	0	0	0	0	0	0	2
GRAP2	1	1	0	0	0	0	0	0	0	0	2
C21orf66	1	0	0	0	0	0	0	0	0	1	2
SIGLEC6	1	0	0	0	0	0	1	0	0	0	2
PTGES	1	0	0	0	0	0	1	0	0	0	2
ENTPD6	1	0	0	0	0	0	0	0	0	1	2
RNF14	1	0	0	0	0	0	0	0	0	1	2
HS2ST1	1	0	0	0	0	0	0	0	0	1	2
SGSM2	1	0	0	0	0	0	0	0	0	1	2
SGSM2	1	0	0	0	0	0	0	0	0	1	2
CDH3	0	1	0	0	0	0	1	0	0	0	2
CDH9	0	1	0	0	0	0	1	0	0	0	2
HUWE1	0	1	0	0	0	0	1	0	0	0	2
RAD50	0	1	0	0	0	0	1	0	0	0	2
FRY	0	1	0	0	0	0	1	0	0	0	2

WASF2	0	1	0	0	0	0	1	0	0	0	2
RCL1	0	1	0	0	0	0	1	0	0	0	2
ADAM10	0	1	0	0	0	0	1	0	0	0	2
TOPORS	0	1	0	0	0	0	1	0	0	0	2
CD96	0	1	0	0	0	0	0	0	0	1	2
COQ7	0	1	0	0	0	0	1	0	0	0	2
SPRY2	0	1	0	0	0	0	1	0	0	0	2
STAM2	0	1	0	0	0	0	1	0	0	0	2
FSTL3	0	1	0	0	0	0	1	0	0	0	2
UBE4B	0	1	0	0	0	0	1	0	0	0	2
SF3A1	0	1	0	0	0	0	1	0	0	0	2
ZNF267	0	1	0	0	0	0	1	0	0	0	2
RTN3	0	1	0	0	0	0	1	0	0	0	2
TRIM22	0	1	0	0	0	0	1	0	0	0	2
CITED2	0	1	0	0	0	0	1	0	0	0	2
NOD1	0	1	0	0	0	0	1	0	0	0	2
YAP1	0	1	0	0	0	0	0	0	0	1	2
SPON1	0	1	0	0	0	0	0	0	0	1	2
MAP3K7IP1	0	1	0	0	0	0	1	0	0	0	2
SLC30A9	0	1	0	0	0	0	1	0	0	0	2
CEACAM5	0	1	0	0	0	0	1	0	0	0	2
FBLN5	0	1	0	0	0	0	1	0	0	0	2
ARFGEF1	0	1	0	0	0	0	1	0	0	0	2
SLU7	0	1	0	0	0	0	1	0	0	0	2
SMC2	0	1	0	0	0	0	0	0	0	1	2
KHDRBS1	0	1	0	0	0	0	0	0	1	0	2
GNA13	0	1	0	0	0	0	1	0	0	0	2
GNB5	0	1	0	0	0	0	1	0	0	0	2
PTGES3	0	1	0	0	0	0	0	0	0	1	2
STAG3	0	1	0	0	0	0	1	0	0	0	2
ARPP-21	0	1	0	0	0	0	0	0	0	1	2
ZNF274	0	1	0	0	0	0	0	0	0	1	2
ZNF273	0	1	0	0	0	0	1	0	0	0	2
C5orf4	0	1	0	0	0	0	1	0	0	0	2
TSPAN9	0	1	0	0	0	0	1	0	0	0	2
RAB10	0	1	0	0	0	0	1	0	0	0	2
BTNL3	0	1	0	0	0	0	1	0	0	0	2
SMPDL3A	0	1	0	0	0	0	1	0	0	0	2
EHD1	0	1	0	0	0	0	1	0	0	0	2
SF3A3	0	1	0	0	0	0	0	0	1	0	2
ASCC3	0	1	0	0	0	0	0	0	0	1	2

GLIPR1	0	1	0	0	0	0	1	0	0	0	2
CHD3	0	1	0	0	0	0	1	0	0	0	2
KERA	0	1	0	0	0	0	0	0	0	1	2
KRR1	0	1	0	0	0	0	1	0	0	0	2
FGFR1OP	0	1	0	0	0	0	1	0	0	0	2
BVES	0	1	0	0	0	0	0	0	0	1	2
NISCH	0	1	0	0	0	0	1	0	0	0	2
SNF8	0	1	0	0	0	0	1	0	0	0	2
B4GALT7	0	1	0	0	0	0	1	0	0	0	2
TP53RK	0	1	0	0	0	0	1	0	0	0	2
CHRM2	0	1	0	0	0	0	0	0	0	1	2
STK38	0	1	0	0	0	0	1	0	0	0	2
TOE1	0	1	0	0	0	0	1	0	0	0	2
CYGB	0	1	0	0	0	0	1	0	0	0	2
ZNF452	0	1	0	0	0	0	1	0	0	0	2
PWWP2A	0	1	0	0	0	0	0	0	0	1	2
FBXO32	0	1	0	0	0	0	1	0	0	0	2
MRFAP1L1	0	1	0	0	0	0	0	0	0	1	2
FAM46B	0	1	0	0	0	0	1	0	0	0	2
WDR17	0	1	0	0	0	0	0	0	0	1	2
CATSPER2	0	1	0	0	0	0	0	0	0	1	2
LOH12CR1	0	1	0	0	0	0	1	0	0	0	2
CLK1	0	1	0	0	0	0	0	0	0	1	2
TMEM45B	0	1	0	0	0	0	1	0	0	0	2
DPH4	0	1	0	0	0	0	1	0	0	0	2
TMEM16D	0	1	0	0	0	0	1	0	0	0	2
FRMD6	0	1	0	0	0	0	0	0	0	1	2
TTC8	0	1	0	0	0	0	1	0	0	0	2
SLC25A29	0	1	0	0	0	0	1	0	0	0	2
LOC124446	0	1	0	0	0	0	1	0	0	0	2
SMCR7	0	1	0	0	0	0	0	0	0	1	2
COX6B2	0	1	0	0	0	0	1	0	0	0	2
C19orf28	0	1	0	0	0	0	1	0	0	0	2
DMBX1	0	1	0	0	0	0	1	0	0	0	2
RNF19B	0	1	0	0	0	0	0	0	0	1	2
KLHDC7A	0	1	0	0	0	0	1	0	0	0	2
COL3A1	0	1	0	0	0	0	1	0	0	0	2
COL4A4	0	1	0	0	0	0	1	0	0	0	2
COL5A2	0	1	0	0	0	0	0	0	0	1	2
LOC129293	0	1	0	0	0	0	1	0	0	0	2
TAF8	0	1	0	0	0	0	1	0	0	0	2

ICA1L	0	1	0	0	0	0	0	0	0	1	2
TMEM178	0	1	0	0	0	0	0	0	0	1	2
COL17A1	0	1	0	0	0	0	0	0	1	0	2
FBXO36	0	1	0	0	0	0	1	0	0	0	2
COPA	0	1	0	0	0	0	1	0	0	0	2
GNPDA2	0	1	0	0	0	0	0	0	1	0	2
SPATA4	0	1	0	0	0	0	1	0	0	0	2
EGFLAM	0	1	0	0	0	0	0	0	0	1	2
COX10	0	1	0	0	0	0	1	0	0	0	2
C7orf31	0	1	0	0	0	0	0	0	0	1	2
CPT1B	0	1	0	0	0	0	0	0	0	1	2
C8orf38	0	1	0	0	0	0	1	0	0	0	2
SGCZ	0	1	0	0	0	0	1	0	0	0	2
HGSNAT	0	1	0	0	0	0	1	0	0	0	2
C9orf85	0	1	0	0	0	0	1	0	0	0	2
UPRT	0	1	0	0	0	0	1	0	0	0	2
GAB3	0	1	0	0	0	0	1	0	0	0	2
CRK	0	1	0	0	0	0	0	1	0	0	2
CRX	0	1	0	0	0	0	1	0	0	0	2
ADAMTS14	0	1	0	0	0	0	1	0	0	0	2
PARP1	0	1	0	0	0	0	1	0	0	0	2
RAB40A	0	1	0	0	0	0	1	0	0	0	2
CSF1	0	1	0	0	0	0	1	0	0	0	2
A2ML1	0	1	0	0	0	0	1	0	0	0	2
FBXL14	0	1	0	0	0	0	1	0	0	0	2
Gcom1	0	1	0	0	0	0	1	0	0	0	2
TMED6	0	1	0	0	0	0	0	0	1	0	2
PRSS36	0	1	0	0	0	0	1	0	0	0	2
WIPF2	0	1	0	0	0	0	1	0	0	0	2
ZNF560	0	1	0	0	0	0	1	0	0	0	2
CNIH3	0	1	0	0	0	0	1	0	0	0	2
CTLA4	0	1	0	0	0	0	0	0	0	1	2
CLDN19	0	1	0	0	0	0	0	0	0	1	2
CLDN19	0	1	0	0	0	0	0	0	0	1	2
CTNS	0	1	0	0	0	0	1	0	0	0	2
IGSF5	0	1	0	0	0	0	1	0	0	0	2
CTNND2	0	1	0	0	0	0	1	0	0	0	2
FAM109B	0	1	0	0	0	0	1	0	0	0	2
LOC150383	0	1	0	0	0	0	1	0	0	0	2
ADRA2B	0	1	0	0	0	0	1	0	0	0	2
CTSE	0	1	0	0	0	0	0	0	0	1	2

C9orf19	0	1	0	0	0	0	1	0	0	0	2
TMEM167	0	1	0	0	0	0	0	0	0	1	2
PRELID2	0	1	0	0	0	0	0	0	0	1	2
SAMD3	0	1	0	0	0	0	0	0	0	1	2
SLC2A12	0	1	0	0	0	0	0	0	0	1	2
AMOT	0	1	0	0	0	0	0	0	0	1	2
LOC155006	0	1	0	0	0	0	1	0	0	0	2
AMZ1	0	1	0	0	0	0	1	0	0	0	2
TMEM65	0	1	0	0	0	0	1	0	0	0	2
SLC7A13	0	1	0	0	0	0	0	0	0	1	2
CYP4A11	0	1	0	0	0	0	1	0	0	0	2
SLC5A12	0	1	0	0	0	0	0	0	0	1	2
CD55	0	1	0	0	0	0	0	0	0	1	2
CD55	0	1	0	0	0	0	0	0	0	1	2
C14orf83	0	1	0	0	0	0	1	0	0	0	2
DAZL	0	1	0	0	0	0	1	0	0	0	2
ADAL	0	1	0	0	0	0	1	0	0	0	2
AP1B1	0	1	0	0	0	0	1	0	0	0	2
ZFP1	0	1	0	0	0	0	1	0	0	0	2
FAM134C	0	1	0	0	0	0	1	0	0	0	2
DCC	0	1	0	0	0	0	1	0	0	0	2
DCTD	0	1	0	0	0	0	1	0	0	0	2
APCDD1L	0	1	0	0	0	0	1	0	0	0	2
DMXL1	0	1	0	0	0	0	1	0	0	0	2
RNF168	0	1	0	0	0	0	1	0	0	0	2
DEFA4	0	1	0	0	0	0	1	0	0	0	2
DFFB	0	1	0	0	0	0	1	0	0	0	2
ZNF92	0	1	0	0	0	0	1	0	0	0	2
NUDT10	0	1	0	0	0	0	1	0	0	0	2
ZNF721	0	1	0	0	0	0	1	0	0	0	2
DHCR24	0	1	0	0	0	0	1	0	0	0	2
DLX3	0	1	0	0	0	0	1	0	0	0	2
DMP1	0	1	0	0	0	0	0	0	0	1	2
DNM1	0	1	0	0	0	0	1	0	0	0	2
DMWD	0	1	0	0	0	0	1	0	0	0	2
DNAH5	0	1	0	0	0	0	0	0	0	1	2
DNAH9	0	1	0	0	0	0	1	0	0	0	2
DSC2	0	1	0	0	0	0	0	0	0	1	2
RCAN1	0	1	0	0	0	0	0	0	0	1	2
DVL2	0	1	0	0	0	0	1	0	0	0	2
EDG2	0	1	0	0	0	0	0	0	0	1	2

EDN3	0	1	0	0	0	0	0	0	0	1	2
EDN3	0	1	0	0	0	0	0	0	0	1	2
B3GNT6	0	1	0	0	0	0	1	0	0	0	2
EGFR	0	1	0	0	0	0	1	0	0	0	2
C9orf21	0	1	0	0	0	0	1	0	0	0	2
CCDC131	0	1	0	0	0	0	0	0	0	1	2
EPHA2	0	1	0	0	0	0	1	0	0	0	2
MLKL	0	1	0	0	0	0	1	0	0	0	2
ZNF778	0	1	0	0	0	0	1	0	0	0	2
ELAVL1	0	1	0	0	0	0	1	0	0	0	2
ELF2	0	1	0	0	0	0	1	0	0	0	2
C1orf168	0	1	0	0	0	0	1	0	0	0	2
TMEM201	0	1	0	0	0	0	1	0	0	0	2
SLFNL1	0	1	0	0	0	0	1	0	0	0	2
TET3	0	1	0	0	0	0	1	0	0	0	2
EML1	0	1	0	0	0	0	0	0	0	1	2
VSTM3	0	1	0	0	0	0	1	0	0	0	2
TMEM154	0	1	0	0	0	0	1	0	0	0	2
TMEM192	0	1	0	0	0	0	1	0	0	0	2
DNAJC18	0	1	0	0	0	0	1	0	0	0	2
ENSA	0	1	0	0	0	0	0	0	0	1	2
EPB49	0	1	0	0	0	0	0	0	0	1	2
SENP5	0	1	0	0	0	0	0	0	0	1	2
ETFDH	0	1	0	0	0	0	1	0	0	0	2
EXTL3	0	1	0	0	0	0	1	0	0	0	2
F13A1	0	1	0	0	0	0	1	0	0	0	2
FANCA	0	1	0	0	0	0	1	0	0	0	2
ACSL3	0	1	0	0	0	0	0	0	0	1	2
FANCG	0	1	0	0	0	0	1	0	0	0	2
ALDH1A3	0	1	0	0	0	0	1	0	0	0	2
VWCE	0	1	0	0	0	0	1	0	0	0	2
SLC16A9	0	1	0	0	0	0	1	0	0	0	2
NT5DC1	0	1	0	0	0	0	1	0	0	0	2
ZBTB9	0	1	0	0	0	0	1	0	0	0	2
SDK1	0	1	0	0	0	0	1	0	0	0	2
DAGLB	0	1	0	0	0	0	1	0	0	0	2
SCUBE3	0	1	0	0	0	0	1	0	0	0	2
GPC4	0	1	0	0	0	0	1	0	0	0	2
IKZF2	0	1	0	0	0	0	0	0	0	1	2
PPM1E	0	1	0	0	0	0	1	0	0	0	2
ANKRD26	0	1	0	0	0	0	1	0	0	0	2

NLRP1	0	1	0	0	0	0	1	0	0	0	2
NLGN1	0	1	0	0	0	0	1	0	0	0	2
FOXJ3	0	1	0	0	0	0	0	0	0	1	2
FOXG1	0	1	0	0	0	0	1	0	0	0	2
FOXF1	0	1	0	0	0	0	1	0	0	0	2
SHANK2	0	1	0	0	0	0	1	0	0	0	2
DKK1	0	1	0	0	0	0	0	0	0	1	2
CCT5	0	1	0	0	0	0	1	0	0	0	2
PAXIP1	0	1	0	0	0	0	1	0	0	0	2
NT5C2	0	1	0	0	0	0	0	0	0	1	2
MAPKBP1	0	1	0	0	0	0	0	0	0	1	2
STK38L	0	1	0	0	0	0	1	0	0	0	2
FAIM2	0	1	0	0	0	0	1	0	0	0	2
ASCC3L1	0	1	0	0	0	0	1	0	0	0	2
KIAA0082	0	1	0	0	0	0	0	0	0	1	2
TXNDC4	0	1	0	0	0	0	1	0	0	0	2
HECW1	0	1	0	0	0	0	1	0	0	0	2
UHRF1BP1L	0	1	0	0	0	0	1	0	0	0	2
SWAP70	0	1	0	0	0	0	1	0	0	0	2
ERC1	0	1	0	0	0	0	0	0	0	1	2
FOXO3	0	1	0	0	0	0	1	0	0	0	2
IQSEC2	0	1	0	0	0	0	0	0	0	1	2
IQSEC2	0	1	0	0	0	0	0	0	0	1	2
FSTL4	0	1	0	0	0	0	1	0	0	0	2
FLI1	0	1	0	0	0	0	1	0	0	0	2
ZZEF1	0	1	0	0	0	0	1	0	0	0	2
GGA3	0	1	0	0	0	0	1	0	0	0	2
KIAA0157	0	1	0	0	0	0	0	0	0	1	2
FLNC	0	1	0	0	0	0	1	0	0	0	2
ARL6IP1	0	1	0	0	0	0	1	0	0	0	2
JMJD6	0	1	0	0	0	0	0	0	0	1	2
FLT3	0	1	0	0	0	0	1	0	0	0	2
RRP12	0	1	0	0	0	0	1	0	0	0	2
KIAA0746	0	1	0	0	0	0	1	0	0	0	2
PLCB1	0	1	0	0	0	0	0	0	0	1	2
RP1-21O18.1	0	1	0	0	0	0	0	0	0	1	2
SCFD1	0	1	0	0	0	0	1	0	0	0	2
FMO2	0	1	0	0	0	0	1	0	0	0	2
KIAA0774	0	1	0	0	0	0	1	0	0	0	2
FBXW11	0	1	0	0	0	0	1	0	0	0	2
MGRN1	0	1	0	0	0	0	1	0	0	0	2

CUX2	0	1	0	0	0	0	1	0	0	0	2
VPS39	0	1	0	0	0	0	1	0	0	0	2
DNAJC16	0	1	0	0	0	0	0	0	0	1	2
USP24	0	1	0	0	0	0	0	0	0	1	2
KIAA0892	0	1	0	0	0	0	1	0	0	0	2
MED13L	0	1	0	0	0	0	1	0	0	0	2
DICER1	0	1	0	0	0	0	0	0	0	1	2
SIRT5	0	1	0	0	0	0	0	0	0	1	2
ANGPTL2	0	1	0	0	0	0	1	0	0	0	2
GCAT	0	1	0	0	0	0	1	0	0	0	2
TRAM1	0	1	0	0	0	0	1	0	0	0	2
LEPROTL1	0	1	0	0	0	0	1	0	0	0	2
SUZ12	0	1	0	0	0	0	1	0	0	0	2
TNPO3	0	1	0	0	0	0	1	0	0	0	2
FOSB	0	1	0	0	0	0	1	0	0	0	2
SEZ6L	0	1	0	0	0	0	1	0	0	0	2
KCNE1L	0	1	0	0	0	0	1	0	0	0	2
KCNE4	0	1	0	0	0	0	1	0	0	0	2
CADM1	0	1	0	0	0	0	1	0	0	0	2
MTCH1	0	1	0	0	0	0	1	0	0	0	2
FXN	0	1	0	0	0	0	0	0	0	1	2
NR5A1	0	1	0	0	0	0	0	0	0	1	2
ZBTB38	0	1	0	0	0	0	1	0	0	0	2
GARNL1	0	1	0	0	0	0	0	0	0	1	2
ZDHHC23	0	1	0	0	0	0	1	0	0	0	2
MPV17L	0	1	0	0	0	0	0	0	0	1	2
MPV17L	0	1	0	0	0	0	0	0	0	1	2
CXorf23	0	1	0	0	0	0	1	0	0	0	2
SNX33	0	1	0	0	0	0	1	0	0	0	2
SLC39A6	0	1	0	0	0	0	1	0	0	0	2
LMOD1	0	1	0	0	0	0	1	0	0	0	2
ATXN10	0	1	0	0	0	0	1	0	0	0	2
TNFAIP8	0	1	0	0	0	0	1	0	0	0	2
FBXL2	0	1	0	0	0	0	1	0	0	0	2
SULT4A1	0	1	0	0	0	0	1	0	0	0	2
DKFZP434B0335	0	1	0	0	0	0	0	0	1	0	2
SOSTDC1	0	1	0	0	0	0	0	0	0	1	2
C20orf194	0	1	0	0	0	0	1	0	0	0	2
TIPARP	0	1	0	0	0	0	0	0	0	1	2
SNED1	0	1	0	0	0	0	0	1	0	0	2

GORASP2	0	1	0	0	0	0	0	0	1	0	2
ZNF500	0	1	0	0	0	0	1	0	0	0	2
RAB11FIP5	0	1	0	0	0	0	1	0	0	0	2
ANKRD17	0	1	0	0	0	0	1	0	0	0	2
GIGYF2	0	1	0	0	0	0	0	0	0	1	2
LSM14A	0	1	0	0	0	0	0	0	0	1	2
LSM14A	0	1	0	0	0	0	0	0	0	1	2
CCDC9	0	1	0	0	0	0	1	0	0	0	2
LDLRAP1	0	1	0	0	0	0	1	0	0	0	2
STEAP2	0	1	0	0	0	0	1	0	0	0	2
PITPNC1	0	1	0	0	0	0	0	0	0	1	2
PITPNC1	0	1	0	0	0	0	0	0	0	1	2
FBXO22	0	1	0	0	0	0	1	0	0	0	2
ARFGAP3	0	1	0	0	0	0	1	0	0	0	2
GCH1	0	1	0	0	0	0	1	0	0	0	2
GCN5L2	0	1	0	0	0	0	1	0	0	0	2
GCNT1	0	1	0	0	0	0	0	0	0	1	2
FXC1	0	1	0	0	0	0	1	0	0	0	2
TIMM13	0	1	0	0	0	0	1	0	0	0	2
EIF2C1	0	1	0	0	0	0	1	0	0	0	2
IL1F5	0	1	0	0	0	0	0	0	0	1	2
TBL2	0	1	0	0	0	0	1	0	0	0	2
BEST4	0	1	0	0	0	0	1	0	0	0	2
GPR110	0	1	0	0	0	0	1	0	0	0	2
GPR160	0	1	0	0	0	0	1	0	0	0	2
TCL6	0	1	0	0	0	0	1	0	0	0	2
GJA4	0	1	0	0	0	0	1	0	0	0	2
FOXD3	0	1	0	0	0	0	0	0	0	1	2
NOX1	0	1	0	0	0	0	1	0	0	0	2
ANKRD1	0	1	0	0	0	0	1	0	0	0	2
PDE7B	0	1	0	0	0	0	1	0	0	0	2
GPR81	0	1	0	0	0	0	1	0	0	0	2
GLB1	0	1	0	0	0	0	1	0	0	0	2
PDCD4	0	1	0	0	0	0	0	0	0	1	2
PCDH17	0	1	0	0	0	0	1	0	0	0	2
GCLM	0	1	0	0	0	0	0	0	0	1	2
TMEM97	0	1	0	0	0	0	0	0	0	1	2
STK39	0	1	0	0	0	0	1	0	0	0	2
GLP1R	0	1	0	0	0	0	1	0	0	0	2
CECR6	0	1	0	0	0	0	1	0	0	0	2
GNB1	0	1	0	0	0	0	1	0	0	0	2

GNRHR	0	1	0	0	0	0	0	0	0	1	2
GOLGB1	0	1	0	0	0	0	1	0	0	0	2
SLCO4A1	0	1	0	0	0	0	1	0	0	0	2
GPR4	0	1	0	0	0	0	1	0	0	0	2
MKX	0	1	0	0	0	0	1	0	0	0	2
FLJ33790	0	1	0	0	0	0	1	0	0	0	2
KCTD21	0	1	0	0	0	0	1	0	0	0	2
ZDHHC22	0	1	0	0	0	0	1	0	0	0	2
C14orf24	0	1	0	0	0	0	0	0	0	1	2
CDRT4	0	1	0	0	0	0	1	0	0	0	2
LYPD5	0	1	0	0	0	0	0	0	0	1	2
HKR1	0	1	0	0	0	0	1	0	0	0	2
DNAJC5G	0	1	0	0	0	0	1	0	0	0	2
DLL1	0	1	0	0	0	0	1	0	0	0	2
SUMF1	0	1	0	0	0	0	1	0	0	0	2
CYP4V2	0	1	0	0	0	0	1	0	0	0	2
SH3PXD2B	0	1	0	0	0	0	1	0	0	0	2
ARL10	0	1	0	0	0	0	1	0	0	0	2
RGMB	0	1	0	0	0	0	1	0	0	0	2
CNPY1	0	1	0	0	0	0	1	0	0	0	2
SCARA5	0	1	0	0	0	0	1	0	0	0	2
ANK2	0	1	0	0	0	0	1	0	0	0	2
GPX3	0	1	0	0	0	0	1	0	0	0	2
GIT1	0	1	0	0	0	0	1	0	0	0	2
GRIN1	0	1	0	0	0	0	1	0	0	0	2
CCDC113	0	1	0	0	0	0	1	0	0	0	2
C18orf55	0	1	0	0	0	0	1	0	0	0	2
TMEM208	0	1	0	0	0	0	1	0	0	0	2
DNAJC15	0	1	0	0	0	0	1	0	0	0	2
N6AMT1	0	1	0	0	0	0	1	0	0	0	2
DDX25	0	1	0	0	0	0	1	0	0	0	2
GRM7	0	1	0	0	0	0	0	0	0	1	2
GSTA4	0	1	0	0	0	0	1	0	0	0	2
GSTM3	0	1	0	0	0	0	1	0	0	0	2
GTF2E2	0	1	0	0	0	0	0	1	0	0	2
NCAPH2	0	1	0	0	0	0	1	0	0	0	2
EEF2K	0	1	0	0	0	0	1	0	0	0	2
UBIAD1	0	1	0	0	0	0	1	0	0	0	2
GPR132	0	1	0	0	0	0	1	0	0	0	2
TRHDE	0	1	0	0	0	0	1	0	0	0	2
STRN3	0	1	0	0	0	0	1	0	0	0	2

SLC39A3	0	1	0	0	0	0	1	0	0	0	2
LMCD1	0	1	0	0	0	0	1	0	0	0	2
HABP2	0	1	0	0	0	0	1	0	0	0	2
HADHA	0	1	0	0	0	0	1	0	0	0	2
HCFC1	0	1	0	0	0	0	1	0	0	0	2
ANXA4	0	1	0	0	0	0	0	0	0	1	2
DDX51	0	1	0	0	0	0	1	0	0	0	2
HNRNPA2B1	0	1	0	0	0	0	1	0	0	0	2
HNRPH3	0	1	0	0	0	0	1	0	0	0	2
HNRNPU	0	1	0	0	0	0	0	0	0	1	2
HOXC13	0	1	0	0	0	0	1	0	0	0	2
HOXD10	0	1	0	0	0	0	1	0	0	0	2
HSD17B2	0	1	0	0	0	0	1	0	0	0	2
HSPA1B	0	1	0	0	0	0	0	0	0	1	2
HTR7	0	1	0	0	0	0	0	0	0	1	2
HTR7	0	1	0	0	0	0	0	0	0	1	2
IAPP	0	1	0	0	0	0	0	0	0	1	2
KRTAP11-1	0	1	0	0	0	0	1	0	0	0	2
NLRP9	0	1	0	0	0	0	1	0	0	0	2
C1orf174	0	1	0	0	0	0	1	0	0	0	2
C1orf110	0	1	0	0	0	0	1	0	0	0	2
ESPNL	0	1	0	0	0	0	1	0	0	0	2
KY	0	1	0	0	0	0	1	0	0	0	2
ZNF680	0	1	0	0	0	0	1	0	0	0	2
IDI1	0	1	0	0	0	0	1	0	0	0	2
ZKSCAN2	0	1	0	0	0	0	1	0	0	0	2
AQP8	0	1	0	0	0	0	1	0	0	0	2
IFIT1	0	1	0	0	0	0	1	0	0	0	2
C2orf55	0	1	0	0	0	0	1	0	0	0	2
PAQR9	0	1	0	0	0	0	1	0	0	0	2
IGF1R	0	1	0	0	0	0	1	0	0	0	2
RBPMS2	0	1	0	0	0	0	1	0	0	0	2
IGFBP5	0	1	0	0	0	0	1	0	0	0	2
GATS	0	1	0	0	0	0	1	0	0	0	2
TBC1D26	0	1	0	0	0	0	1	0	0	0	2
IGSF1	0	1	0	0	0	0	0	0	1	0	2
IL3	0	1	0	0	0	0	0	0	0	1	2
IL6R	0	1	0	0	0	0	1	0	0	0	2
IL8	0	1	0	0	0	0	1	0	0	0	2
INHBC	0	1	0	0	0	0	1	0	0	0	2
INSIG1	0	1	0	0	0	0	0	0	0	1	2

INSIG1	0	1	0	0	0	0	0	0	0	1	2
JUN	0	1	0	0	0	0	1	0	0	0	2
KCNA7	0	1	0	0	0	0	1	0	0	0	2
MIA3	0	1	0	0	0	0	1	0	0	0	2
KCND2	0	1	0	0	0	0	1	0	0	0	2
MAST4	0	1	0	0	0	0	1	0	0	0	2
C9orf102	0	1	0	0	0	0	1	0	0	0	2
KCNJ3	0	1	0	0	0	0	1	0	0	0	2
ARL4D	0	1	0	0	0	0	1	0	0	0	2
KDR	0	1	0	0	0	0	1	0	0	0	2
KLK2	0	1	0	0	0	0	1	0	0	0	2
KRT6B	0	1	0	0	0	0	1	0	0	0	2
KRT12	0	1	0	0	0	0	1	0	0	0	2
RHOB	0	1	0	0	0	0	1	0	0	0	2
RPRML	0	1	0	0	0	0	1	0	0	0	2
HES5	0	1	0	0	0	0	1	0	0	0	2
KRT86	0	1	0	0	0	0	1	0	0	0	2
AFF3	0	1	0	0	0	0	0	0	0	1	2
LHCGR	0	1	0	0	0	0	0	1	0	0	2
SHC4	0	1	0	0	0	0	1	0	0	0	2
C1orf220	0	1	0	0	0	0	1	0	0	0	2
ARNT	0	1	0	0	0	0	1	0	0	0	2
HERV-FRD	0	1	0	0	0	0	1	0	0	0	2
BCAM	0	1	0	0	0	0	1	0	0	0	2
ARRB1	0	1	0	0	0	0	1	0	0	0	2
MXD1	0	1	0	0	0	0	1	0	0	0	2
SMAD9	0	1	0	0	0	0	0	0	0	1	2
MAGEA11	0	1	0	0	0	0	0	0	0	1	2
MAN1A1	0	1	0	0	0	0	1	0	0	0	2
MANBA	0	1	0	0	0	0	1	0	0	0	2
MBD1	0	1	0	0	0	0	1	0	0	0	2
MCL1	0	1	0	0	0	0	0	0	0	1	2
CD46	0	1	0	0	0	0	0	0	0	1	2
MEF2C	0	1	0	0	0	0	1	0	0	0	2
METTL1	0	1	0	0	0	0	0	0	0	1	2
MLLT3	0	1	0	0	0	0	1	0	0	0	2
MNT	0	1	0	0	0	0	1	0	0	0	2
MPL	0	1	0	0	0	0	1	0	0	0	2
MPP2	0	1	0	0	0	0	1	0	0	0	2
MRE11A	0	1	0	0	0	0	0	0	0	1	2
TTLL13	0	1	0	0	0	0	1	0	0	0	2

BCL2L15	0	1	0	0	0	0	1	0	0	0	2
C1orf186	0	1	0	0	0	0	1	0	0	0	2
MTCP1	0	1	0	0	0	0	0	0	0	1	2
MYB	0	1	0	0	0	0	0	0	0	1	2
PPP1R12B	0	1	0	0	0	0	0	0	0	1	2
NAP1L1	0	1	0	0	0	0	1	0	0	0	2
NCAM1	0	1	0	0	0	0	1	0	0	0	2
NDUFA7	0	1	0	0	0	0	1	0	0	0	2
NEDD4	0	1	0	0	0	0	1	0	0	0	2
NEK1	0	1	0	0	0	0	0	0	0	1	2
NF1	0	1	0	0	0	0	0	0	0	1	2
ATP1A2	0	1	0	0	0	0	1	0	0	0	2
ACO1	0	1	0	0	0	0	1	0	0	0	2
NHS	0	1	0	0	0	0	1	0	0	0	2
NID1	0	1	0	0	0	0	1	0	0	0	2
NNAT	0	1	0	0	0	0	1	0	0	0	2
NOV	0	1	0	0	0	0	0	0	0	1	2
NTRK2	0	1	0	0	0	0	0	0	0	1	2
NTSR1	0	1	0	0	0	0	1	0	0	0	2
ATP2B4	0	1	0	0	0	0	0	0	0	1	2
OAS2	0	1	0	0	0	0	1	0	0	0	2
ODC1	0	1	0	0	0	0	0	0	1	0	2
ATP4B	0	1	0	0	0	0	1	0	0	0	2
OXCT1	0	1	0	0	0	0	1	0	0	0	2
P2RX7	0	1	0	0	0	0	1	0	0	0	2
NOX4	0	1	0	0	0	0	1	0	0	0	2
PAFAH2	0	1	0	0	0	0	1	0	0	0	2
WDR42A	0	1	0	0	0	0	1	0	0	0	2
PAX3	0	1	0	0	0	0	1	0	0	0	2
MYEF2	0	1	0	0	0	0	1	0	0	0	2
ISOC1	0	1	0	0	0	0	1	0	0	0	2
ZBTB7B	0	1	0	0	0	0	1	0	0	0	2
TNNI3K	0	1	0	0	0	0	0	0	0	1	2
SEPSECS	0	1	0	0	0	0	0	0	0	1	2
SIDT2	0	1	0	0	0	0	1	0	0	0	2
DDX47	0	1	0	0	0	0	1	0	0	0	2
DUSP13	0	1	0	0	0	0	1	0	0	0	2
PCSK2	0	1	0	0	0	0	1	0	0	0	2
BET1L	0	1	0	0	0	0	1	0	0	0	2
RSRC1	0	1	0	0	0	0	1	0	0	0	2
SPTBN5	0	1	0	0	0	0	1	0	0	0	2

AMOTL2	0	1	0	0	0	0	1	0	0	0	2
HPCAL4	0	1	0	0	0	0	1	0	0	0	2
PTPLAD1	0	1	0	0	0	0	1	0	0	0	2
C14orf100	0	1	0	0	0	0	1	0	0	0	2
PDGFA	0	1	0	0	0	0	1	0	0	0	2
VPS54	0	1	0	0	0	0	1	0	0	0	2
RAB14	0	1	0	0	0	0	1	0	0	0	2
NT5DC3	0	1	0	0	0	0	0	0	0	1	2
LUC7L2	0	1	0	0	0	0	1	0	0	0	2
OTUD6B	0	1	0	0	0	0	1	0	0	0	2
ASB2	0	1	0	0	0	0	1	0	0	0	2
ARID4B	0	1	0	0	0	0	1	0	0	0	2
C9orf127	0	1	0	0	0	0	0	0	0	1	2
GALNT7	0	1	0	0	0	0	0	0	0	1	2
PFKFB3	0	1	0	0	0	0	1	0	0	0	2
ATP6V1E1	0	1	0	0	0	0	1	0	0	0	2
ATP7A	0	1	0	0	0	0	1	0	0	0	2
FXYD6	0	1	0	0	0	0	1	0	0	0	2
SETD4	0	1	0	0	0	0	1	0	0	0	2
MRPL39	0	1	0	0	0	0	1	0	0	0	2
TREM1	0	1	0	0	0	0	1	0	0	0	2
C11orf71	0	1	0	0	0	0	1	0	0	0	2
DLL4	0	1	0	0	0	0	1	0	0	0	2
POU4F2	0	1	0	0	0	0	1	0	0	0	2
HES2	0	1	0	0	0	0	1	0	0	0	2
PPAT	0	1	0	0	0	0	1	0	0	0	2
RAB39	0	1	0	0	0	0	0	0	0	1	2
FBLIM1	0	1	0	0	0	0	1	0	0	0	2
IL17RD	0	1	0	0	0	0	1	0	0	0	2
PPP1R12C	0	1	0	0	0	0	1	0	0	0	2
ALKBH4	0	1	0	0	0	0	1	0	0	0	2
DNAJB12	0	1	0	0	0	0	0	0	0	1	2
SAMD9	0	1	0	0	0	0	1	0	0	0	2
GIPC2	0	1	0	0	0	0	0	0	0	1	2
ZCCHC10	0	1	0	0	0	0	1	0	0	0	2
CNTLN	0	1	0	0	0	0	0	0	0	1	2
RETSAT	0	1	0	0	0	0	1	0	0	0	2
ALKBH5	0	1	0	0	0	0	1	0	0	0	2
NCAPG2	0	1	0	0	0	0	1	0	0	0	2
PPM1A	0	1	0	0	0	0	0	0	0	1	2
PPM1A	0	1	0	0	0	0	0	0	0	1	2

C11orf59	0	1	0	0	0	0	1	0	0	0	2
FAM118A	0	1	0	0	0	0	0	0	0	1	2
STX17	0	1	0	0	0	0	1	0	0	0	2
C17orf80	0	1	0	0	0	0	1	0	0	0	2
SUSD4	0	1	0	0	0	0	1	0	0	0	2
ATP5SL	0	1	0	0	0	0	1	0	0	0	2
FAM90A1	0	1	0	0	0	0	1	0	0	0	2
ANKZF1	0	1	0	0	0	0	1	0	0	0	2
PPP2R1B	0	1	0	0	0	0	1	0	0	0	2
ARL8B	0	1	0	0	0	0	1	0	0	0	2
DCUN1D2	0	1	0	0	0	0	1	0	0	0	2
KLHDC8A	0	1	0	0	0	0	1	0	0	0	2
LRRC1	0	1	0	0	0	0	1	0	0	0	2
PNMAL1	0	1	0	0	0	0	0	0	0	1	2
USP40	0	1	0	0	0	0	1	0	0	0	2
SMU1	0	1	0	0	0	0	1	0	0	0	2
RHOT1	0	1	0	0	0	0	1	0	0	0	2
CAMK2N1	0	1	0	0	0	0	1	0	0	0	2
DHTKD1	0	1	0	0	0	0	0	0	0	1	2
ANKRD10	0	1	0	0	0	0	1	0	0	0	2
PRR5	0	1	0	0	0	0	0	0	0	1	2
DEPDC1	0	1	0	0	0	0	0	0	0	1	2
NOLA2	0	1	0	0	0	0	1	0	0	0	2
FLJ20489	0	1	0	0	0	0	1	0	0	0	2
ZNF416	0	1	0	0	0	0	1	0	0	0	2
PRKACB	0	1	0	0	0	0	0	0	0	1	2
JMJD2D	0	1	0	0	0	0	1	0	0	0	2
FLJ10357	0	1	0	0	0	0	1	0	0	0	2
POLR3B	0	1	0	0	0	0	1	0	0	0	2
BTBD7	0	1	0	0	0	0	0	0	0	1	2
HHAT	0	1	0	0	0	0	0	0	0	1	2
C14orf108	0	1	0	0	0	0	0	0	0	1	2
MBD5	0	1	0	0	0	0	0	0	0	1	2
PRKCB1	0	1	0	0	0	0	1	0	0	0	2
CENTA2	0	1	0	0	0	0	1	0	0	0	2
ZNF395	0	1	0	0	0	0	1	0	0	0	2
ZNF302	0	1	0	0	0	0	0	0	0	1	2
MAPK4	0	1	0	0	0	0	1	0	0	0	2
GNG12	0	1	0	0	0	0	1	0	0	0	2
BCAP29	0	1	0	0	0	0	0	0	0	1	2
KLHL4	0	1	0	0	0	0	1	0	0	0	2

PCDHB4	0	1	0	0	0	0	1	0	0	0	2
PRODH	0	1	0	0	0	0	1	0	0	0	2
BEX4	0	1	0	0	0	0	0	0	0	1	2
PRPS2	0	1	0	0	0	0	0	0	0	1	2
PSEN1	0	1	0	0	0	0	1	0	0	0	2
C11orf16	0	1	0	0	0	0	1	0	0	0	2
NRIP3	0	1	0	0	0	0	1	0	0	0	2
SAR1A	0	1	0	0	0	0	1	0	0	0	2
PSKH1	0	1	0	0	0	0	1	0	0	0	2
CDC42SE1	0	1	0	0	0	0	0	0	0	1	2
FSTL5	0	1	0	0	0	0	1	0	0	0	2
SEMA3G	0	1	0	0	0	0	1	0	0	0	2
PAK6	0	1	0	0	0	0	0	0	0	1	2
CA10	0	1	0	0	0	0	1	0	0	0	2
ENY2	0	1	0	0	0	0	0	0	1	0	2
C5orf15	0	1	0	0	0	0	0	0	0	1	2
LHX9	0	1	0	0	0	0	1	0	0	0	2
SLC17A6	0	1	0	0	0	0	0	0	1	0	2
AGTRAP	0	1	0	0	0	0	1	0	0	0	2
C12orf4	0	1	0	0	0	0	1	0	0	0	2
PDSS2	0	1	0	0	0	0	1	0	0	0	2
PSMD5	0	1	0	0	0	0	1	0	0	0	2
TMEM63C	0	1	0	0	0	0	1	0	0	0	2
JPH2	0	1	0	0	0	0	0	0	0	1	2
PSMD10	0	1	0	0	0	0	1	0	0	0	2
ATP10D	0	1	0	0	0	0	1	0	0	0	2
PTAFR	0	1	0	0	0	0	1	0	0	0	2
ZNF286A	0	1	0	0	0	0	0	0	0	1	2
PTGFR	0	1	0	0	0	0	0	0	0	1	2
PTGFRN	0	1	0	0	0	0	1	0	0	0	2
ZNF512B	0	1	0	0	0	0	1	0	0	0	2
RP13-347D8.3	0	1	0	0	0	0	1	0	0	0	2
AHRR	0	1	0	0	0	0	1	0	0	0	2
LRFN2	0	1	0	0	0	0	1	0	0	0	2
INTS2	0	1	0	0	0	0	1	0	0	0	2
KIAA1303	0	1	0	0	0	0	1	0	0	0	2
WDR35	0	1	0	0	0	0	1	0	0	0	2
MICAL3	0	1	0	0	0	0	1	0	0	0	2
NLGN2	0	1	0	0	0	0	1	0	0	0	2
EP400	0	1	0	0	0	0	1	0	0	0	2
ZSWIM5	0	1	0	0	0	0	1	0	0	0	2

MYH7B	0	1	0	0	0	0	1	0	0	0	2
USP28	0	1	0	0	0	0	0	0	1	0	2
KIAA1530	0	1	0	0	0	0	1	0	0	0	2
EPB41L5	0	1	0	0	0	0	1	0	0	0	2
MIER1	0	1	0	0	0	0	0	0	0	1	2
MIER1	0	1	0	0	0	0	0	0	0	1	2
KIAA1622	0	1	0	0	0	0	0	0	0	1	2
KIAA1627	0	1	0	0	0	0	1	0	0	0	2
CADM3	0	1	0	0	0	0	1	0	0	0	2
SLC46A2	0	1	0	0	0	0	1	0	0	0	2
PTPRJ	0	1	0	0	0	0	1	0	0	0	2
PTPRN2	0	1	0	0	0	0	0	0	0	1	2
PTX3	0	1	0	0	0	0	1	0	0	0	2
PYGB	0	1	0	0	0	0	1	0	0	0	2
ZNF71	0	1	0	0	0	0	1	0	0	0	2
C9orf80	0	1	0	0	0	0	1	0	0	0	2
PRUNE	0	1	0	0	0	0	0	0	0	1	2
RAB6A	0	1	0	0	0	0	0	0	0	1	2
RAD17	0	1	0	0	0	0	0	0	0	1	2
RFX3	0	1	0	0	0	0	1	0	0	0	2
AFAP1	0	1	0	0	0	0	0	0	0	1	2
EDA2R	0	1	0	0	0	0	1	0	0	0	2
ELOVL5	0	1	0	0	0	0	1	0	0	0	2
RIC8A	0	1	0	0	0	0	1	0	0	0	2
C4orf41	0	1	0	0	0	0	1	0	0	0	2
CTXN3	0	1	0	0	0	0	0	0	0	1	2
RXRA	0	1	0	0	0	0	1	0	0	0	2
SCN1A	0	1	0	0	0	0	1	0	0	0	2
SCN3A	0	1	0	0	0	0	1	0	0	0	2
SDC4	0	1	0	0	0	0	0	0	0	1	2
SDCBP	0	1	0	0	0	0	0	0	0	1	2
MRPL17	0	1	0	0	0	0	0	0	0	1	2
UBE2O	0	1	0	0	0	0	1	0	0	0	2
GOLPH3	0	1	0	0	0	0	0	0	1	0	2
CLSTN2	0	1	0	0	0	0	1	0	0	0	2
PJA1	0	1	0	0	0	0	1	0	0	0	2
TOR3A	0	1	0	0	0	0	1	0	0	0	2
NOC3L	0	1	0	0	0	0	1	0	0	0	2
NSD1	0	1	0	0	0	0	0	0	0	1	2
KIAA0754	0	1	0	0	0	0	1	0	0	0	2
IKZF4	0	1	0	0	0	0	1	0	0	0	2

DCLRE1C	0	1	0	0	0	0	0	0	0	1	2
SGCD	0	1	0	0	0	0	0	0	0	1	2
SGCD	0	1	0	0	0	0	0	0	0	1	2
SGSH	0	1	0	0	0	0	1	0	0	0	2
GORASP1	0	1	0	0	0	0	1	0	0	0	2
UNQ338	0	1	0	0	0	0	1	0	0	0	2
SHMT1	0	1	0	0	0	0	1	0	0	0	2
MFSD1	0	1	0	0	0	0	0	0	0	1	2
MOSC1	0	1	0	0	0	0	1	0	0	0	2
ISG20L1	0	1	0	0	0	0	1	0	0	0	2
IQCH	0	1	0	0	0	0	0	0	0	1	2
PLEKHG2	0	1	0	0	0	0	1	0	0	0	2
BMP1	0	1	0	0	0	0	1	0	0	0	2
MRPL38	0	1	0	0	0	0	1	0	0	0	2
SLC1A3	0	1	0	0	0	0	1	0	0	0	2
SLC1A4	0	1	0	0	0	0	1	0	0	0	2
INTS3	0	1	0	0	0	0	1	0	0	0	2
SPATS2	0	1	0	0	0	0	1	0	0	0	2
UBE2Z	0	1	0	0	0	0	1	0	0	0	2
SLC6A6	0	1	0	0	0	0	0	0	0	1	2
SLC8A3	0	1	0	0	0	0	1	0	0	0	2
SLC9A1	0	1	0	0	0	0	1	0	0	0	2
SLC12A2	0	1	0	0	0	0	1	0	0	0	2
SLC14A1	0	1	0	0	0	0	0	0	0	1	2
SLC20A1	0	1	0	0	0	0	1	0	0	0	2
SLC22A5	0	1	0	0	0	0	1	0	0	0	2
SMARCA2	0	1	0	0	0	0	1	0	0	0	2
ZNF747	0	1	0	0	0	0	1	0	0	0	2
DLK2	0	1	0	0	0	0	0	0	0	1	2
SNCA	0	1	0	0	0	0	0	0	0	1	2
BNIP2	0	1	0	0	0	0	1	0	0	0	2
SNRPE	0	1	0	0	0	0	1	0	0	0	2
SPP2	0	1	0	0	0	0	1	0	0	0	2
SPRR1B	0	1	0	0	0	0	1	0	0	0	2
SPTA1	0	1	0	0	0	0	1	0	0	0	2
BRCA1	0	1	0	0	0	0	0	0	0	1	2
BRCA1	0	1	0	0	0	0	0	0	0	1	2
SRPR	0	1	0	0	0	0	1	0	0	0	2
TROVE2	0	1	0	0	0	0	0	0	1	0	2
STAT1	0	1	0	0	0	0	0	0	0	1	2
STX3	0	1	0	0	0	0	1	0	0	0	2

SUV39H1	0	1	0	0	0	0	1	0	0	0	2
SYN2	0	1	0	0	0	0	0	0	0	1	2
T	0	1	0	0	0	0	1	0	0	0	2
TADA2L	0	1	0	0	0	0	1	0	0	0	2
TAP1	0	1	0	0	0	0	0	0	0	1	2
SERPINA7	0	1	0	0	0	0	1	0	0	0	2
TBP	0	1	0	0	0	0	1	0	0	0	2
TBX3	0	1	0	0	0	0	1	0	0	0	2
TCTA	0	1	0	0	0	0	1	0	0	0	2
TEK	0	1	0	0	0	0	0	0	0	1	2
TFAP2B	0	1	0	0	0	0	1	0	0	0	2
NR2F2	0	1	0	0	0	0	1	0	0	0	2
TGM2	0	1	0	0	0	0	1	0	0	0	2
THBD	0	1	0	0	0	0	1	0	0	0	2
TCHH	0	1	0	0	0	0	1	0	0	0	2
THRSP	0	1	0	0	0	0	1	0	0	0	2
TIMP4	0	1	0	0	0	0	1	0	0	0	2
TK2	0	1	0	0	0	0	1	0	0	0	2
TLE3	0	1	0	0	0	0	1	0	0	0	2
TLE4	0	1	0	0	0	0	1	0	0	0	2
NR2E1	0	1	0	0	0	0	1	0	0	0	2
UBE2L3	0	1	0	0	0	0	0	0	0	1	2
UBTF	0	1	0	0	0	0	0	0	0	1	2
VCL	0	1	0	0	0	0	1	0	0	0	2
VIPR1	0	1	0	0	0	0	1	0	0	0	2
MPPED2	0	1	0	0	0	0	1	0	0	0	2
WIPF1	0	1	0	0	0	0	0	0	0	1	2
YWHAE	0	1	0	0	0	0	0	0	1	0	2
ZNF10	0	1	0	0	0	0	1	0	0	0	2
ZNF708	0	1	0	0	0	0	1	0	0	0	2
ZNF19	0	1	0	0	0	0	1	0	0	0	2
ZNF182	0	1	0	0	0	0	0	0	0	1	2
ZNF24	0	1	0	0	0	0	0	0	0	1	2
ZNF26	0	1	0	0	0	0	1	0	0	0	2
ZNF43	0	1	0	0	0	0	1	0	0	0	2
ZNF91	0	1	0	0	0	0	1	0	0	0	2
ZNF138	0	1	0	0	0	0	1	0	0	0	2
ZNF141	0	1	0	0	0	0	1	0	0	0	2
CA12	0	1	0	0	0	0	1	0	0	0	2
ZNF184	0	1	0	0	0	0	1	0	0	0	2
ZNF187	0	1	0	0	0	0	0	0	0	1	2

CACNA1C	0	1	0	0	0	0	0	0	0	1	2
ZNF223	0	1	0	0	0	0	1	0	0	0	2
MAPKAPK3	0	1	0	0	0	0	1	0	0	0	2
PRRG3	0	1	0	0	0	0	1	0	0	0	2
IRX1	0	1	0	0	0	0	1	0	0	0	2
C16orf53	0	1	0	0	0	0	1	0	0	0	2
C10orf76	0	1	0	0	0	0	1	0	0	0	2
C6orf211	0	1	0	0	0	0	1	0	0	0	2
SCRN3	0	1	0	0	0	0	1	0	0	0	2
ARHGAP10	0	1	0	0	0	0	1	0	0	0	2
FN3KRP	0	1	0	0	0	0	1	0	0	0	2
QTRTD1	0	1	0	0	0	0	1	0	0	0	2
GALNT12	0	1	0	0	0	0	0	0	0	1	2
ZMAT4	0	1	0	0	0	0	1	0	0	0	2
C12orf49	0	1	0	0	0	0	1	0	0	0	2
ST7	0	1	0	0	0	0	1	0	0	0	2
LONRF3	0	1	0	0	0	0	1	0	0	0	2
SNX22	0	1	0	0	0	0	1	0	0	0	2
CXorf45	0	1	0	0	0	0	0	0	0	1	2
UBA5	0	1	0	0	0	0	0	0	0	1	2
MRM1	0	1	0	0	0	0	1	0	0	0	2
GRRP1	0	1	0	0	0	0	1	0	0	0	2
MAP6D1	0	1	0	0	0	0	1	0	0	0	2
PHF17	0	1	0	0	0	0	1	0	0	0	2
GRHL2	0	1	0	0	0	0	1	0	0	0	2
DSN1	0	1	0	0	0	0	1	0	0	0	2
RBM35B	0	1	0	0	0	0	1	0	0	0	2
GLRA3	0	1	0	0	0	0	1	0	0	0	2
LRRTM4	0	1	0	0	0	0	1	0	0	0	2
FRAS1	0	1	0	0	0	0	1	0	0	0	2
FBXO11	0	1	0	0	0	0	0	0	0	1	2
CXorf21	0	1	0	0	0	0	1	0	0	0	2
ZNF430	0	1	0	0	0	0	1	0	0	0	2
CCDC68	0	1	0	0	0	0	1	0	0	0	2
THUMPD2	0	1	0	0	0	0	1	0	0	0	2
MLL2	0	1	0	0	0	0	1	0	0	0	2
APOLD1	0	1	0	0	0	0	0	0	0	1	2
URM1	0	1	0	0	0	0	1	0	0	0	2
PVRL4	0	1	0	0	0	0	1	0	0	0	2
NIPA2	0	1	0	0	0	0	0	0	0	1	2
LOC81691	0	1	0	0	0	0	1	0	0	0	2

PPP1R14C	0	1	0	0	0	0	1	0	0	0	2
NUAK2	0	1	0	0	0	0	1	0	0	0	2
TLR10	0	1	0	0	0	0	0	0	0	1	2
SPACA1	0	1	0	0	0	0	1	0	0	0	2
RAB1B	0	1	0	0	0	0	1	0	0	0	2
CANX	0	1	0	0	0	0	0	0	0	1	2
FCRL4	0	1	0	0	0	0	1	0	0	0	2
PLVAP	0	1	0	0	0	0	1	0	0	0	2
UCK1	0	1	0	0	0	0	1	0	0	0	2
AKR1CL2	0	1	0	0	0	0	1	0	0	0	2
C22orf13	0	1	0	0	0	0	1	0	0	0	2
CALN1	0	1	0	0	0	0	0	0	0	1	2
FAM57B	0	1	0	0	0	0	1	0	0	0	2
STARD3NL	0	1	0	0	0	0	0	0	0	1	2
EIF2A	0	1	0	0	0	0	1	0	0	0	2
CASP7	0	1	0	0	0	0	1	0	0	0	2
ZRANB3	0	1	0	0	0	0	0	1	0	0	2
FBXO30	0	1	0	0	0	0	1	0	0	0	2
BCAR3	0	1	0	0	0	0	0	0	0	1	2
CHD6	0	1	0	0	0	0	1	0	0	0	2
BBOX1	0	1	0	0	0	0	1	0	0	0	2
SGIP1	0	1	0	0	0	0	1	0	0	0	2
WBSCR18	0	1	0	0	0	0	1	0	0	0	2
PHF6	0	1	0	0	0	0	0	1	0	0	2
TMEM107	0	1	0	0	0	0	1	0	0	0	2
C3orf26	0	1	0	0	0	0	1	0	0	0	2
HVCN1	0	1	0	0	0	0	0	0	0	1	2
SDPR	0	1	0	0	0	0	1	0	0	0	2
DOC2A	0	1	0	0	0	0	1	0	0	0	2
CUL4A	0	1	0	0	0	0	0	0	0	1	2
MRPL43	0	1	0	0	0	0	1	0	0	0	2
C6orf168	0	1	0	0	0	0	0	0	0	1	2
DPY30	0	1	0	0	0	0	1	0	0	0	2
MYPN	0	1	0	0	0	0	0	1	0	0	2
FBXL10	0	1	0	0	0	0	0	0	1	0	2
FKBP6	0	1	0	0	0	0	1	0	0	0	2
NYD-SP21	0	1	0	0	0	0	1	0	0	0	2
UNC119B	0	1	0	0	0	0	1	0	0	0	2
FUT10	0	1	0	0	0	0	1	0	0	0	2
MGC4655	0	1	0	0	0	0	1	0	0	0	2
ZNF607	0	1	0	0	0	0	1	0	0	0	2

AGPAT9	0	1	0	0	0	0	1	0	0	0	2
CBR4	0	1	0	0	0	0	1	0	0	0	2
ZSCAN10	0	1	0	0	0	0	1	0	0	0	2
FIZ1	0	1	0	0	0	0	1	0	0	0	2
FAM104A	0	1	0	0	0	0	1	0	0	0	2
TNS4	0	1	0	0	0	0	1	0	0	0	2
CGNL1	0	1	0	0	0	0	1	0	0	0	2
MST150	0	1	0	0	0	0	1	0	0	0	2
DGKD	0	1	0	0	0	0	1	0	0	0	2
LGALS12	0	1	0	0	0	0	1	0	0	0	2
BCAS1	0	1	0	0	0	0	1	0	0	0	2
KIAA1754	0	1	0	0	0	0	1	0	0	0	2
TSPYL5	0	1	0	0	0	0	1	0	0	0	2
MKNK1	0	1	0	0	0	0	1	0	0	0	2
PPAP2B	0	1	0	0	0	0	0	0	0	1	2
NCOA1	0	1	0	0	0	0	1	0	0	0	2
EIF3D	0	1	0	0	0	0	1	0	0	0	2
VAMP4	0	1	0	0	0	0	1	0	0	0	2
MYOM1	0	1	0	0	0	0	1	0	0	0	2
WISP1	0	1	0	0	0	0	0	0	0	1	2
CDC16	0	1	0	0	0	0	1	0	0	0	2
EIF2B2	0	1	0	0	0	0	1	0	0	0	2
MTMR2	0	1	0	0	0	0	0	0	0	1	2
FUBP3	0	1	0	0	0	0	1	0	0	0	2
SERPINB11	0	1	0	0	0	0	1	0	0	0	2
TPD52L3	0	1	0	0	0	0	0	0	0	1	2
UBE3B	0	1	0	0	0	0	0	0	0	1	2
HIP1R	0	1	0	0	0	0	1	0	0	0	2
BAZ1B	0	1	0	0	0	0	1	0	0	0	2
ZNF160	0	1	0	0	0	0	0	0	0	1	2
MCFD2	0	1	0	0	0	0	1	0	0	0	2
BMF	0	1	0	0	0	0	0	0	0	1	2
ZNF605	0	1	0	0	0	0	1	0	0	0	2
CCNT2	0	1	0	0	0	0	1	0	0	0	2
PRC1	0	1	0	0	0	0	1	0	0	0	2
N4BP2L1	0	1	0	0	0	0	0	0	0	1	2
ANGPTL1	0	1	0	0	0	0	0	0	0	1	2
USP8	0	1	0	0	0	0	0	0	0	1	2
FMNL3	0	1	0	0	0	0	1	0	0	0	2
ZNF682	0	1	0	0	0	0	1	0	0	0	2
KRT75	0	1	0	0	0	0	1	0	0	0	2

CD1D	0	1	0	0	0	0	1	0	0	0	2
SLC16A6	0	1	0	0	0	0	1	0	0	0	2
CTDP1	0	1	0	0	0	0	1	0	0	0	2
PLXNA4	0	1	0	0	0	0	0	0	0	1	2
COX7A2L	0	1	0	0	0	0	1	0	0	0	2
FAM55C	0	1	0	0	0	0	0	0	0	1	2
ZMYM4	0	1	0	0	0	0	1	0	0	0	2
OXNAD1	0	1	0	0	0	0	1	0	0	0	2
VAPA	0	1	0	0	0	0	1	0	0	0	2
CD5L	0	1	0	0	0	0	1	0	0	0	2
MAGI1	0	1	0	0	0	0	0	0	0	1	2
RCSD1	0	1	0	0	0	0	1	0	0	0	2
TIMM50	0	1	0	0	0	0	1	0	0	0	2
PIWIL1	0	1	0	0	0	0	0	0	1	0	2
NT5C1B	0	1	0	0	0	0	1	0	0	0	2
CNOT8	0	1	0	0	0	0	1	0	0	0	2
IGSF2	0	1	0	0	0	0	1	0	0	0	2
SEP15	0	1	0	0	0	0	0	0	0	1	2
SEP15	0	1	0	0	0	0	0	0	0	1	2
ORMDL3	0	1	0	0	0	0	1	0	0	0	2
TJP2	0	1	0	0	0	0	1	0	0	0	2
KCNK6	0	1	0	0	0	0	1	0	0	0	2
TNFRSF8	0	1	0	0	0	0	1	0	0	0	2
IL27RA	0	1	0	0	0	0	1	0	0	0	2
CHST3	0	1	0	0	0	0	1	0	0	0	2
ADAMTS3	0	1	0	0	0	0	1	0	0	0	2
STXBP5L	0	1	0	0	0	0	0	0	0	1	2
ZNF254	0	1	0	0	0	0	1	0	0	0	2
GTPBP1	0	1	0	0	0	0	1	0	0	0	2
GABBR2	0	1	0	0	0	0	1	0	0	0	2
BRE	0	1	0	0	0	0	1	0	0	0	2
CDC42BPB	0	1	0	0	0	0	0	0	1	0	2
SOX13	0	1	0	0	0	0	1	0	0	0	2
IER2	0	1	0	0	0	0	1	0	0	0	2
CD47	0	1	0	0	0	0	0	0	0	1	2
MICAL2	0	1	0	0	0	0	1	0	0	0	2
KIAA0430	0	1	0	0	0	0	1	0	0	0	2
DZIP3	0	1	0	0	0	0	1	0	0	0	2
LRRC14	0	1	0	0	0	0	1	0	0	0	2
VGLL4	0	1	0	0	0	0	0	0	0	1	2
TTC35	0	1	0	0	0	0	1	0	0	0	2

VPRBP	0	1	0	0	0	0	1	0	0	0	2
HDAC9	0	1	0	0	0	0	0	0	0	1	2
KIAA0101	0	1	0	0	0	0	0	0	0	1	2
ARHGAP11A	0	1	0	0	0	0	1	0	0	0	2
ZBTB39	0	1	0	0	0	0	1	0	0	0	2
RHOBTB1	0	1	0	0	0	0	1	0	0	0	2
UBAP2L	0	1	0	0	0	0	1	0	0	0	2
CDC6	0	1	0	0	0	0	1	0	0	0	2
SRGAP3	0	1	0	0	0	0	1	0	0	0	2
CDC27	0	1	0	0	0	0	0	0	0	1	2
NUP153	0	1	0	0	0	0	0	0	1	0	2
PPP4R1	0	1	0	0	0	0	1	0	0	0	2
CDH1	0	1	0	0	0	0	1	0	0	0	2
PAK4	0	0	0	0	1	0	0	0	0	1	2
MYBPC1	0	0	0	0	1	1	0	0	0	0	2
WDR20	0	0	0	0	1	1	0	0	0	0	2
ZNF169	0	0	0	0	0	0	1	0	0	1	2
ZNF346	0	0	0	0	0	0	1	0	0	1	2
BTBD7	0	0	0	0	0	0	1	0	0	1	2
YWHAZ	0	0	0	0	0	0	1	0	0	1	2
DCDC2	0	0	0	0	0	0	1	0	0	1	2
ZNF385C	0	0	0	0	0	0	1	1	0	0	2
HDAC9	0	0	0	0	0	0	1	0	0	1	2
PRR5	0	0	0	0	0	0	1	0	0	1	2
FBXL18	0	0	0	0	0	0	1	0	0	1	2
SFRP1	0	0	0	0	0	0	1	0	0	1	2
MPO	0	0	0	0	0	0	1	1	0	0	2
CPM	0	0	0	0	0	0	1	1	0	0	2
DUOX1	0	0	0	0	0	0	1	0	1	0	2
MOBKL2C	0	0	0	0	0	0	1	1	0	0	2
SLC26A11	0	0	0	0	0	0	1	1	0	0	2
KIAA1279	0	0	0	0	0	0	1	0	0	1	2
SLC1A1	0	0	0	0	0	0	1	1	0	0	2
RNF44	0	0	0	0	0	0	1	0	0	1	2
SLC1A5	0	0	0	0	0	0	1	0	0	1	2
SLC6A15	0	0	0	0	0	0	1	0	0	1	2
ZNF160	0	0	0	0	0	0	1	0	0	1	2
SCN2A	0	0	0	0	0	0	1	0	0	1	2
TMCO7	0	0	0	0	0	0	1	0	0	1	2
RHOH	0	0	0	0	0	0	1	0	0	1	2
TTC30A	0	0	0	0	0	0	1	0	0	1	2

DEDD	0	0	0	0	0	0	1	0	1	0	2
ZNF498	0	0	0	0	0	0	1	0	0	1	2
ZNF286A	0	0	0	0	0	0	1	0	0	1	2
SMC2	0	0	0	0	0	0	1	0	0	1	2
PRPS2	0	0	0	0	0	0	1	0	0	1	2
FBXL17	0	0	0	0	0	0	1	0	0	1	2
LSM8	0	0	0	0	0	0	1	0	0	1	2
DENR	0	0	0	0	0	0	1	0	0	1	2
ITGAM	0	0	0	0	0	0	1	0	0	1	2
C8orf4	0	0	0	0	0	0	1	0	0	1	2
CD96	0	0	0	0	0	0	1	0	0	1	2
CCL7	0	0	0	0	0	0	1	0	0	1	2
HVCN1	0	0	0	0	0	0	1	0	0	1	2
RASL12	0	0	0	0	0	0	1	1	0	0	2
LAMP3	0	0	0	0	0	0	1	0	0	1	2
GPSM2	0	0	0	0	0	0	1	0	0	1	2
IGSF9	0	0	0	0	0	0	1	0	0	1	2
PRKACB	0	0	0	0	0	0	1	0	0	1	2
VEZT	0	0	0	0	0	0	1	0	0	1	2
RBPMS	0	0	0	0	0	0	1	0	0	1	2
PLXNA2	0	0	0	0	0	0	1	0	0	1	2
LOXL3	0	0	0	0	0	0	1	0	1	0	2
SMAP2	0	0	0	0	0	0	1	0	1	0	2
BMP6	0	0	0	0	0	0	1	0	0	1	2
CD244	0	0	0	0	0	0	1	0	0	1	2
CHRM2	0	0	0	0	0	0	1	0	0	1	2
C1orf124	0	0	0	0	0	0	1	0	0	1	2
BEX4	0	0	0	0	0	0	1	0	0	1	2
GRIN3A	0	0	0	0	0	0	1	0	0	1	2
TTC18	0	0	0	0	0	0	1	0	1	0	2
STON1	0	0	0	0	0	0	1	1	0	0	2
TPD52L3	0	0	0	0	0	0	1	0	0	1	2
FRMD6	0	0	0	0	0	0	1	0	0	1	2
FAM118A	0	0	0	0	0	0	1	0	0	1	2
SNX2	0	0	0	0	0	0	1	0	1	0	2
LRCH1	0	0	0	0	0	0	1	0	0	1	2
GJB2	0	0	0	0	0	0	1	0	0	1	2
PRKAA1	0	0	0	0	0	0	1	0	0	1	2
NSFL1C	0	0	0	0	0	0	1	0	0	1	2
UBQLN2	0	0	0	0	0	0	1	0	1	0	2
GOSR1	0	0	0	0	0	0	1	0	0	1	2

COPS6	0	0	0	0	0	0	1	1	0	0	2
DLK2	0	0	0	0	0	0	1	0	0	1	2
SLC45A4	0	0	0	0	0	0	1	0	0	1	2
PLEKHA7	0	0	0	0	0	0	1	0	0	1	2
TRIM67	0	0	0	0	0	0	1	0	0	1	2
TLN2	0	0	0	0	0	0	1	0	0	1	2
MMAB	0	0	0	0	0	0	1	0	0	1	2
CDC42SE1	0	0	0	0	0	0	1	0	0	1	2
ZNF187	0	0	0	0	0	0	1	0	0	1	2
FDXR	0	0	0	0	0	0	1	0	1	0	2
TMEM16F	0	0	0	0	0	0	1	0	0	1	2
KLHL8	0	0	0	0	0	0	1	0	0	1	2
SYNGR1	0	0	0	0	0	0	1	1	0	0	2
PACSIN3	0	0	0	0	0	0	1	0	0	1	2
CCNJL	0	0	0	0	0	0	1	0	0	1	2
HNRNPU	0	0	0	0	0	0	1	0	0	1	2
GLT25D2	0	0	0	0	0	0	1	0	0	1	2
RALGPS1	0	0	0	0	0	0	1	0	0	1	2
PLEKHF2	0	0	0	0	0	0	1	0	0	1	2
ANP32E	0	0	0	0	0	0	1	0	0	1	2
SCARA3	0	0	0	0	0	0	1	1	0	0	2
EDG2	0	0	0	0	0	0	1	0	0	1	2
COBRA1	0	0	0	0	0	0	1	0	1	0	2
MGAT4B	0	0	0	0	0	0	1	0	0	1	2
ANKRD57	0	0	0	0	0	0	1	0	0	1	2
LATS1	0	0	0	0	0	0	1	0	1	0	2
GEMIN8	0	0	0	0	0	0	1	0	0	1	2
SSX3	0	0	0	0	0	0	1	1	0	0	2
RAB7L1	0	0	0	0	0	0	1	0	0	1	2
COX5A	0	0	0	0	0	0	1	0	1	0	2
ARHGEF10L	0	0	0	0	0	0	1	0	1	0	2
POLR1B	0	0	0	0	0	0	1	0	0	1	2
DSCR3	0	0	0	0	0	0	1	0	0	1	2
ADNP2	0	0	0	0	0	0	1	1	0	0	2
PPAP2B	0	0	0	0	0	0	1	0	0	1	2
NTRK2	0	0	0	0	0	0	1	0	0	1	2
PDZD2	0	0	0	0	0	0	1	0	0	1	2
WDR32	0	0	0	0	0	0	1	0	0	1	2
TMEM109	0	0	0	0	0	0	1	0	0	1	2
PRIC285	0	0	0	0	0	0	1	0	0	1	2
DDIT4L	0	0	0	0	0	0	1	0	0	1	2

SIPA1L1	0	0	0	0	0	0	1	0	1	0	2
TGOLN2	0	0	0	0	0	0	1	0	0	1	2
FZR1	0	0	0	0	0	0	1	0	0	1	2
DIRAS1	0	0	0	0	0	0	1	1	0	0	2
AHI1	0	0	0	0	0	0	1	0	0	1	2
MACROD2	0	0	0	0	0	0	1	0	0	1	2
ATP2C1	0	0	0	0	0	0	1	0	0	1	2
MRE11A	0	0	0	0	0	0	1	0	0	1	2
DNAJB2	0	0	0	0	0	0	1	1	0	0	2
CPNE3	0	0	0	0	0	0	1	0	0	1	2
LOC388335	0	0	0	0	0	0	1	0	0	1	2
NAT8L	0	0	0	0	0	0	1	0	0	1	2
EGFLAM	0	0	0	0	0	0	1	0	0	1	2
TMEM182	0	0	0	0	0	0	1	0	0	1	2
GARNL1	0	0	0	0	0	0	1	0	0	1	2
YES1	0	0	0	0	0	0	1	0	0	1	2
SMC1B	0	0	0	0	0	0	1	0	1	0	2
GYG1	0	0	0	0	0	0	1	0	1	0	2
NR5A2	0	0	0	0	0	0	1	0	0	1	2
FAM64A	0	0	0	0	0	0	1	0	0	1	2
SCFD2	0	0	0	0	0	0	1	0	0	1	2
ATG12	0	0	0	0	0	0	1	0	0	1	2
FCHO2	0	0	0	0	0	0	1	0	0	1	2
C1orf95	0	0	0	0	0	0	1	0	0	1	2
MRFAP1L1	0	0	0	0	0	0	1	0	0	1	2
FAM83C	0	0	0	0	0	0	1	0	0	1	2
PSMD1	0	0	0	0	0	0	1	0	1	0	2
CD83	0	0	0	0	0	0	1	0	0	1	2
C1orf173	0	0	0	0	0	0	1	0	0	1	2
ST13	0	0	0	0	0	0	1	0	0	1	2
MAFG	0	0	0	0	0	0	1	1	0	0	2
MTCP1	0	0	0	0	0	0	1	0	0	1	2
MCHR1	0	0	0	0	0	0	1	1	0	0	2
CHST1	0	0	0	0	0	0	1	0	1	0	2
AQP3	0	0	0	0	0	0	1	0	0	1	2
PPP1R3A	0	0	0	0	0	0	1	0	0	1	2
EML1	0	0	0	0	0	0	1	0	0	1	2
C1orf88	0	0	0	0	0	0	1	0	0	1	2
AQR	0	0	0	0	0	0	1	0	0	1	2
DCLRE1C	0	0	0	0	0	0	1	0	0	1	2
RBM33	0	0	0	0	0	0	1	0	0	1	2

PWWP2B	0	0	0	0	0	0	1	0	0	1	2
ATP5L	0	0	0	0	0	0	1	0	0	1	2
XK	0	0	0	0	0	0	1	0	0	1	2
NANOS1	0	0	0	0	0	0	1	0	0	1	2
RPS6KA2	0	0	0	0	0	0	1	0	0	1	2
MAB21L1	0	0	0	0	0	0	1	0	1	0	2
ITPK1	0	0	0	0	0	0	1	0	0	1	2
WDR57	0	0	0	0	0	0	1	0	1	0	2
SEPT10	0	0	0	0	0	0	1	0	0	1	2
MIER1	0	0	0	0	0	0	1	0	0	1	2
C2orf61	0	0	0	0	0	0	1	1	0	0	2
DNA2	0	0	0	0	0	0	1	0	0	1	2
DISP2	0	0	0	0	0	0	1	1	0	0	2
C4orf32	0	0	0	0	0	0	1	0	0	1	2
FAM83A	0	0	0	0	0	0	1	1	0	0	2
ATP6V1C1	0	0	0	0	0	0	1	0	0	1	2
FER1L3	0	0	0	0	0	0	1	0	0	1	2
FOXA3	0	0	0	0	0	0	1	0	0	1	2
CUL4A	0	0	0	0	0	0	1	0	0	1	2
TSPAN1	0	0	0	0	0	0	1	0	0	1	2
OLIG2	0	0	0	0	0	0	1	0	0	1	2
PPAPDC3	0	0	0	0	0	0	1	0	0	1	2
NDRG1	0	0	0	0	0	0	1	0	0	1	2
TSN	0	0	0	0	0	0	1	0	0	1	2
CCDC22	0	0	0	0	0	0	1	0	0	1	2
KANK2	0	0	0	0	0	0	1	0	0	1	2
PLEKHG3	0	0	0	0	0	0	1	0	0	1	2
C1orf34	0	0	0	0	0	0	1	0	0	1	2
HSPH1	0	0	0	0	0	0	1	0	1	0	2
MLXIPL	0	0	0	0	0	0	1	0	0	1	2
AFF3	0	0	0	0	0	0	1	0	0	1	2
DAGLA	0	0	0	0	0	0	1	0	0	1	2
PPM1D	0	0	0	0	0	0	1	0	1	0	2
HDLBP	0	0	0	0	0	0	1	0	0	1	2
MIPOL1	0	0	0	0	0	0	1	0	0	1	2
PRICKLE1	0	0	0	0	0	0	1	0	1	0	2
DEXI	0	0	0	0	0	0	1	1	0	0	2
CXCL10	0	0	0	0	0	0	1	0	0	1	2
GAD1	0	0	0	0	0	0	1	0	0	1	2
CCDC47	0	0	0	0	0	0	1	0	1	0	2
FAM125B	0	0	0	0	0	0	1	0	0	1	2

SGCD	0	0	0	0	0	0	1	0	0	1	2
FGFR3	0	0	0	0	0	0	1	0	0	1	2
C18orf51	0	0	0	0	0	0	1	0	0	1	2
PRELP	0	0	0	0	0	0	1	0	0	1	2
ZNF182	0	0	0	0	0	0	1	0	0	1	2
C2orf18	0	0	0	0	0	0	1	1	0	0	2
BDH2	0	0	0	0	0	0	1	0	0	1	2
TLR10	0	0	0	0	0	0	1	0	0	1	2
IMPA1	0	0	0	0	0	0	1	0	0	1	2
BRCA1	0	0	0	0	0	0	1	0	0	1	2
PLEKHG1	0	0	0	0	0	0	1	0	0	1	2
ARMC7	0	0	0	0	0	0	1	1	0	0	2
FAM8A1	0	0	0	0	0	0	1	0	0	1	2
SLC39A8	0	0	0	0	0	0	1	0	0	1	2
PDCD4	0	0	0	0	0	0	1	0	0	1	2
OSBPL7	0	0	0	0	0	0	1	0	1	0	2
UBE2H	0	0	0	0	0	0	1	0	0	1	2
BVES	0	0	0	0	0	0	1	0	0	1	2
PAK6	0	0	0	0	0	0	1	0	0	1	2
CYBRD1	0	0	0	0	0	0	1	0	0	1	2
TPRG1L	0	0	0	0	0	0	1	0	0	1	2
AMACR	0	0	0	0	0	0	1	0	0	1	2
LOC400451	0	0	0	0	0	0	1	0	0	1	2
TRIM58	0	0	0	0	0	0	1	0	0	1	2
CCDC55	0	0	0	0	0	0	1	1	0	0	2
C1orf216	0	0	0	0	0	0	1	0	0	1	2
STK35	0	0	0	0	0	0	1	0	0	1	2
TCF15	0	0	0	0	0	0	1	0	0	1	2
KIAA0141	0	0	0	0	0	0	1	1	0	0	2
HIAT1	0	0	0	0	0	0	1	0	1	0	2
SAMD10	0	0	0	0	0	0	1	0	0	1	2
LOC283551	0	0	0	0	0	0	1	0	0	1	2
PALB2	0	0	0	0	0	0	1	0	0	1	2
EPB49	0	0	0	0	0	0	1	0	0	1	2
GRIN2B	0	0	0	0	0	0	1	1	0	0	2
OTUD5	0	0	0	0	0	0	1	0	1	0	2
ZNF302	0	0	0	0	0	0	1	0	0	1	2
FNDC7	0	0	0	0	0	0	1	0	0	1	2
WNT1	0	0	0	0	0	0	1	1	0	0	2
ST7L	0	0	0	0	0	0	1	1	0	0	2
TRAPPC3	0	0	0	0	0	0	1	0	1	0	2

PRELID2	0	0	0	0	0	0	1	0	0	1	2
FAM63A	0	0	0	0	0	0	1	0	0	1	2
CALN1	0	0	0	0	0	0	1	0	0	1	2
YTHDF1	0	0	0	0	0	0	1	0	1	0	2
ALOX12	0	0	0	0	0	0	1	0	0	1	2
RGS4	0	0	0	0	0	0	1	0	0	1	2
RIPK4	0	0	0	0	0	0	1	0	0	1	2
GEMIN7	0	0	0	0	0	0	1	0	0	1	2
SLC6A6	0	0	0	0	0	0	1	0	0	1	2
MMP16	0	0	0	0	0	0	1	0	0	1	2
KIAA0329	0	0	0	0	0	0	1	0	0	1	2
PPM1H	0	0	0	0	0	0	1	0	0	1	2
CCL11	0	0	0	0	0	0	1	1	0	0	2
DPYD	0	0	0	0	0	0	1	0	0	1	2
CTXN3	0	0	0	0	0	0	1	0	0	1	2
C10orf25	0	0	0	0	0	0	1	1	0	0	2
JOSD1	0	0	0	0	0	0	1	1	0	0	2
EIF1B	0	0	0	0	0	0	1	0	0	1	2
DLG2	0	0	0	0	0	0	1	0	0	1	2
C6orf64	0	0	0	0	0	0	1	1	0	0	2
FZD8	0	0	0	0	0	0	1	0	1	0	2
DMP1	0	0	0	0	0	0	1	0	0	1	2
LIAS	0	0	0	0	0	0	1	0	1	0	2
PTCHD2	0	0	0	0	0	0	1	1	0	0	2
POMT2	0	0	0	0	0	0	1	1	0	0	2
MTFR1	0	0	0	0	0	0	1	0	0	1	2
TMEM16B	0	0	0	0	0	0	1	0	1	0	2
SLC25A1	0	0	0	0	0	0	1	0	1	0	2
LUZP1	0	0	0	0	0	0	1	0	0	1	2
PPP1R15B	0	0	0	0	0	0	1	0	0	1	2
FOXN4	0	0	0	0	0	0	1	0	0	1	2
OLFM2	0	0	0	0	0	0	1	0	1	0	2
GNGT2	0	0	0	0	0	0	1	0	0	1	2
RRH	0	0	0	0	0	0	1	0	1	0	2
ADRA1B	0	0	0	0	0	0	1	0	1	0	2
BRD7	0	0	0	0	0	0	1	0	1	0	2
QRICH1	0	0	0	0	0	0	1	0	1	0	2
TSPAN2	0	0	0	0	0	0	1	0	0	1	2
CHST2	0	0	0	0	0	0	1	0	0	1	2
FOXJ1	0	0	0	0	0	0	1	0	0	1	2
KLHL18	0	0	0	0	0	0	1	0	0	1	2

ATP10B	0	0	0	0	0	0	1	0	0	1	2
FPGT	0	0	0	0	0	0	1	0	0	1	2
GLUD1	0	0	0	0	0	0	1	0	1	0	2
C3orf1	0	0	0	0	0	0	1	0	0	1	2
THNSL1	0	0	0	0	0	0	1	0	0	1	2
BTBD1	0	0	0	0	0	0	1	0	0	1	2
BTN3A1	0	0	0	0	0	0	1	1	0	0	2
C14orf24	0	0	0	0	0	0	1	0	0	1	2
IKZF2	0	0	0	0	0	0	1	0	0	1	2
CDC42SE2	0	0	0	0	0	0	1	0	0	1	2
MID1	0	0	0	0	0	0	1	0	0	1	2
NDUFS3	0	0	0	0	0	0	1	0	1	0	2
ORC2L	0	0	0	0	0	0	1	0	1	0	2
WDR77	0	0	0	0	0	0	1	0	0	1	2
ST3GAL2	0	0	0	0	0	0	1	0	0	1	2
MAGEA11	0	0	0	0	0	0	1	0	0	1	2
ENPP4	0	0	0	0	0	0	1	0	0	1	2
SGTA	0	0	0	0	0	0	1	1	0	0	2
ABBA-1	0	0	0	0	0	0	1	0	0	1	2
ATP6V1B2	0	0	0	0	0	0	1	0	1	0	2
CXCL12	0	0	0	0	0	0	1	0	0	1	2
ATAD1	0	0	0	0	0	0	1	0	0	1	2
HSF5	0	0	0	0	0	0	1	0	0	1	2
ProSAPiP1	0	0	0	0	0	0	1	1	0	0	2
CYP46A1	0	0	0	0	0	0	1	0	0	1	2
PES1	0	0	0	0	0	0	1	0	1	0	2
CORIN	0	0	0	0	0	0	1	0	0	1	2
NUP210	0	0	0	0	0	0	1	0	1	0	2
SRP72	0	0	0	0	0	0	1	0	0	1	2
DSCR6	0	0	0	0	0	0	1	0	0	1	2
ABCG4	0	0	0	0	0	0	1	0	0	1	2
SHROOM2	0	0	0	0	0	0	1	0	0	1	2
GPR177	0	0	0	0	0	0	1	0	0	1	2
LPIN2	0	0	0	0	0	0	1	0	0	1	2
RGS12	0	0	0	0	0	0	1	0	0	1	2
WDR68	0	0	0	0	0	0	1	0	0	1	2
B3GALT6	0	0	0	0	0	0	1	0	0	1	2
UBE3B	0	0	0	0	0	0	1	0	0	1	2
FYCO1	0	0	0	0	0	0	1	1	0	0	2
NEDD4L	0	0	0	0	0	0	1	1	0	0	2
EPB41L1	0	0	0	0	0	0	1	0	0	1	2

BHLHB3	0	0	0	0	0	0	1	0	0	1	2
BRD3	0	0	0	0	0	0	1	0	1	0	2
PKLR	0	0	0	0	0	0	1	0	0	1	2
NIPA2	0	0	0	0	0	0	1	0	0	1	2
TRAF6	0	0	0	0	0	0	1	0	0	1	2
EIF2S1	0	0	0	0	0	0	1	0	0	1	2
RCOR3	0	0	0	0	0	0	1	0	0	1	2
LHFPL4	0	0	0	0	0	0	1	0	0	1	2
ENSA	0	0	0	0	0	0	1	0	0	1	2
PRTFDC1	0	0	0	0	0	0	1	0	0	1	2
DZIP1	0	0	0	0	0	0	1	0	0	1	2
WIPF1	0	0	0	0	0	0	1	0	0	1	2
GCNT1	0	0	0	0	0	0	1	0	0	1	2
KIF4A	0	0	0	0	0	0	1	0	0	1	2
SYT14	0	0	0	0	0	0	1	0	1	0	2
HN1L	0	0	0	0	0	0	1	0	0	1	2
RNF111	0	0	0	0	0	0	1	0	0	1	2
MED7	0	0	0	0	0	0	1	0	0	1	2
PPIL4	0	0	0	0	0	0	1	0	0	1	2
LINCR	0	0	0	0	0	0	1	0	0	1	2
DICER1	0	0	0	0	0	0	1	0	0	1	2
RP1-21O18.1	0	0	0	0	0	0	1	0	0	1	2
SOX1	0	0	0	0	0	0	1	0	0	1	2
SMCR7	0	0	0	0	0	0	1	0	0	1	2
MS4A2	0	0	0	0	0	0	1	1	0	0	2
RAF1	0	0	0	0	0	0	1	0	1	0	2
TASP1	0	0	0	0	0	0	1	0	1	0	2
GPR107	0	0	0	0	0	0	1	0	0	1	2
CTXN1	0	0	0	0	0	0	1	1	0	0	2
MTMR2	0	0	0	0	0	0	1	0	0	1	2
LOC219854	0	0	0	0	0	0	1	0	0	1	2
ZNF185	0	0	0	0	0	0	1	1	0	0	2
CANX	0	0	0	0	0	0	1	0	0	1	2
PITX1	0	0	0	0	0	0	1	0	0	1	2
RG9MTD2	0	0	0	0	0	0	1	0	0	1	2
MYLK	0	0	0	0	0	0	1	0	0	1	2
FAM129A	0	0	0	0	0	0	1	0	0	1	2
TXNDC5	0	0	0	0	0	0	1	0	0	1	2
COMMD5	0	0	0	0	0	0	1	1	0	0	2
MPHOSPH6	0	0	0	0	0	0	1	1	0	0	2
CORO7	0	0	0	0	0	0	1	0	1	0	2

LOC283867	0	0	0	0	0	0	1	0	0	1	2
C9orf127	0	0	0	0	0	0	1	0	0	1	2
ERMP1	0	0	0	0	0	0	1	0	0	1	2
NT5DC3	0	0	0	0	0	0	1	0	0	1	2
ZNF518A	0	0	0	0	0	0	1	0	0	1	2
ABCA12	0	0	0	0	0	0	1	0	0	1	2
WFIKKN2	0	0	0	0	0	0	1	1	0	0	2
UBXD8	0	0	0	0	0	0	1	0	0	1	2
TOP1	0	0	0	0	0	0	1	1	0	0	2
NCKAP1	0	0	0	0	0	0	1	0	1	0	2
DNMBP	0	0	0	0	0	0	1	0	0	1	2
ZBTB47	0	0	0	0	0	0	1	0	0	1	2
FGF1	0	0	0	0	0	0	1	0	0	1	2
HCRTR1	0	0	0	0	0	0	1	0	1	0	2
RIPK1	0	0	0	0	0	0	1	0	0	1	2
C3orf18	0	0	0	0	0	0	1	0	0	1	2
SOX12	0	0	0	0	0	0	1	0	0	1	2
PRKCQ	0	0	0	0	0	0	1	0	1	0	2
PDPR	0	0	0	0	0	0	1	0	0	1	2
TP53INP2	0	0	0	0	0	0	1	0	0	1	2
PELI3	0	0	0	0	0	0	0	1	0	1	2
APCDD1	0	0	0	0	0	0	0	1	0	1	2
GPIHBP1	0	0	0	0	0	0	0	1	0	1	2
PTCD1	0	0	0	0	0	0	0	1	0	1	2
PRRX1	0	0	0	0	0	0	0	1	0	1	2
AXIN1	0	0	0	0	0	0	0	1	1	0	2
TUSC2	0	0	0	0	0	0	0	1	1	0	2
P4HA1	0	0	0	0	0	0	0	1	1	0	2
TIMM22	0	0	0	0	0	0	0	1	0	1	2
SLC18A1	0	0	0	0	0	0	0	1	0	1	2
RAP2B	0	0	0	0	0	0	0	1	0	1	2
STK36	0	0	0	0	0	0	0	1	0	1	2
SLC6A3	0	0	0	0	0	0	0	1	0	1	2
SLC37A4	0	0	0	0	0	0	0	0	1	1	2
ZC3H14	0	0	0	0	0	0	0	0	1	1	2
CDH6	0	0	0	0	0	0	0	0	1	1	2
CEP76	0	0	0	0	0	0	0	0	1	1	2
TTC7B	0	0	0	0	0	0	0	0	1	1	2
GANAB	0	0	0	0	0	0	0	0	1	1	2
TFCP2	0	0	0	0	0	0	0	0	1	1	2
TBL1Y	0	0	0	0	0	0	0	0	1	1	2

NDST1	0	0	0	0	0	0	0	0	1	1	2
TOMM70A	0	0	0	0	0	0	0	0	1	1	2
HPRT1	0	0	0	0	0	0	0	0	1	1	2
DNAJA1	0	0	0	0	0	0	0	0	1	1	2
ID2	0	0	0	0	0	0	0	0	1	1	2
DENND1B	0	0	0	0	0	0	0	0	1	1	2
MMD	0	0	0	0	0	0	0	0	1	1	2
PARP2	0	0	0	1	0	0	0	0	0	0	1
PARP2	0	0	0	1	0	0	0	0	0	0	1
AKAP9	0	0	0	1	0	0	0	0	0	0	1
ATP6AP2	0	0	0	1	0	0	0	0	0	0	1
PSMD14	0	0	0	1	0	0	0	0	0	0	1
MRVI1	0	0	0	1	0	0	0	0	0	0	1
MRVI1	0	0	0	1	0	0	0	0	0	0	1
MRVI1	0	0	0	1	0	0	0	0	0	0	1
TACC2	0	0	0	1	0	0	0	0	0	0	1
TACC2	0	0	0	1	0	0	0	0	0	0	1
TACC2	0	0	0	1	0	0	0	0	0	0	1
IL24	0	0	0	1	0	0	0	0	0	0	1
IL24	0	0	0	1	0	0	0	0	0	0	1
MID2	0	0	0	1	0	0	0	0	0	0	1
CHD3	0	0	0	1	0	0	0	0	0	0	1
CHD3	0	0	0	1	0	0	0	0	0	0	1
PIH1D2	0	0	0	1	0	0	0	0	0	0	1
KRT40	0	0	0	1	0	0	0	0	0	0	1
C18orf19	0	0	0	1	0	0	0	0	0	0	1
C18orf17	0	0	0	1	0	0	0	0	0	0	1
CNTN1	0	0	0	1	0	0	0	0	0	0	1
CNTN1	0	0	0	1	0	0	0	0	0	0	1
STXBP5	0	0	0	1	0	0	0	0	0	0	1
VCAN	0	0	0	1	0	0	0	0	0	0	1
CCDC50	0	0	0	1	0	0	0	0	0	0	1
RUNDC3B	0	0	0	1	0	0	0	0	0	0	1
RUNDC3B	0	0	0	1	0	0	0	0	0	0	1
DGKB	0	0	0	1	0	0	0	0	0	0	1
FAM71D	0	0	0	1	0	0	0	0	0	0	1
ZNF610	0	0	0	1	0	0	0	0	0	0	1
EPHA5	0	0	0	1	0	0	0	0	0	0	1
FASTKD2	0	0	0	1	0	0	0	0	0	0	1
FBXL11	0	0	0	1	0	0	0	0	0	0	1
ZBTB43	0	0	0	1	0	0	0	0	0	0	1

ABCA5	0	0	0	1	0	0	0	0	0	0	1
CBX5	0	0	0	1	0	0	0	0	0	0	1
CBX5	0	0	0	1	0	0	0	0	0	0	1
NTSR2	0	0	0	1	0	0	0	0	0	0	1
GAB1	0	0	0	1	0	0	0	0	0	0	1
EGFL6	0	0	0	1	0	0	0	0	0	0	1
C12orf64	0	0	0	1	0	0	0	0	0	0	1
DPH3	0	0	0	1	0	0	0	0	0	0	1
GPR39	0	0	0	1	0	0	0	0	0	0	1
IFT81	0	0	0	1	0	0	0	0	0	0	1
MRPL22	0	0	0	1	0	0	0	0	0	0	1
GRM8	0	0	0	1	0	0	0	0	0	0	1
GRHL1	0	0	0	1	0	0	0	0	0	0	1
CCDC36	0	0	0	1	0	0	0	0	0	0	1
INPP4A	0	0	0	1	0	0	0	0	0	0	1
INPP4A	0	0	0	1	0	0	0	0	0	0	1
FAM111B	0	0	0	1	0	0	0	0	0	0	1
KCNG1	0	0	0	1	0	0	0	0	0	0	1
KCNH1	0	0	0	1	0	0	0	0	0	0	1
C9orf102	0	0	0	1	0	0	0	0	0	0	1
LAMA3	0	0	0	1	0	0	0	0	0	0	1
ARHGAP6	0	0	0	1	0	0	0	0	0	0	1
LMNA	0	0	0	1	0	0	0	0	0	0	1
SMAD5	0	0	0	1	0	0	0	0	0	0	1
MATN2	0	0	0	1	0	0	0	0	0	0	1
MDM2	0	0	0	1	0	0	0	0	0	0	1
MDM2	0	0	0	1	0	0	0	0	0	0	1
ASPH	0	0	0	1	0	0	0	0	0	0	1
MYBPC1	0	0	0	1	0	0	0	0	0	0	1
NF2	0	0	0	1	0	0	0	0	0	0	1
OAZ1	0	0	0	1	0	0	0	0	0	0	1
PAX6	0	0	0	1	0	0	0	0	0	0	1
PAX6	0	0	0	1	0	0	0	0	0	0	1
PCBP2	0	0	0	1	0	0	0	0	0	0	1
PCBP2	0	0	0	1	0	0	0	0	0	0	1
PCBP2	0	0	0	1	0	0	0	0	0	0	1
PCBP2	0	0	0	1	0	0	0	0	0	0	1
PCBP2	0	0	0	1	0	0	0	0	0	0	1
PCBP2	0	0	0	1	0	0	0	0	0	0	1
RNF12	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1

SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
A2BP1	0	0	0	1	0	0	0	0	0	0	1
WDR79	0	0	0	1	0	0	0	0	0	0	1
LEPREL1	0	0	0	1	0	0	0	0	0	0	1
PPP6C	0	0	0	1	0	0	0	0	0	0	1
PPP6C	0	0	0	1	0	0	0	0	0	0	1
JMJD1A	0	0	0	1	0	0	0	0	0	0	1
MAPK9	0	0	0	1	0	0	0	0	0	0	1
MAPK9	0	0	0	1	0	0	0	0	0	0	1
CPA6	0	0	0	1	0	0	0	0	0	0	1
C13orf1	0	0	0	1	0	0	0	0	0	0	1
C8orf79	0	0	0	1	0	0	0	0	0	0	1
PTPRD	0	0	0	1	0	0	0	0	0	0	1
RBMS1	0	0	0	1	0	0	0	0	0	0	1
RBP1	0	0	0	1	0	0	0	0	0	0	1
BCL7A	0	0	0	1	0	0	0	0	0	0	1
RORA	0	0	0	1	0	0	0	0	0	0	1
RORA	0	0	0	1	0	0	0	0	0	0	1
ATXN7	0	0	0	1	0	0	0	0	0	0	1
SCP2	0	0	0	1	0	0	0	0	0	0	1
SCP2	0	0	0	1	0	0	0	0	0	0	1
ERAP2	0	0	0	1	0	0	0	0	0	0	1
WIPF3	0	0	0	1	0	0	0	0	0	0	1
CRTC3	0	0	0	1	0	0	0	0	0	0	1
SLC12A3	0	0	0	1	0	0	0	0	0	0	1
SLC12A3	0	0	0	1	0	0	0	0	0	0	1
SLCO1A2	0	0	0	1	0	0	0	0	0	0	1
TMEM108	0	0	0	1	0	0	0	0	0	0	1
STAT5A	0	0	0	1	0	0	0	0	0	0	1
TAF9	0	0	0	1	0	0	0	0	0	0	1
TCF7L2	0	0	0	1	0	0	0	0	0	0	1
TGFB2	0	0	0	1	0	0	0	0	0	0	1
TIA1	0	0	0	1	0	0	0	0	0	0	1

TPM3	0	0	0	1	0	0	0	0	0	0	1
TXNRD1	0	0	0	1	0	0	0	0	0	0	1
CHCHD7	0	0	0	1	0	0	0	0	0	0	1
CHCHD7	0	0	0	1	0	0	0	0	0	0	1
CHCHD7	0	0	0	1	0	0	0	0	0	0	1
CHCHD7	0	0	0	1	0	0	0	0	0	0	1
FCRL2	0	0	0	1	0	0	0	0	0	0	1
LRRC2	0	0	0	1	0	0	0	0	0	0	1
C11orf61	0	0	0	1	0	0	0	0	0	0	1
SAP30L	0	0	0	1	0	0	0	0	0	0	1
SAP30L	0	0	0	1	0	0	0	0	0	0	1
PHF17	0	0	0	1	0	0	0	0	0	0	1
PTGES2	0	0	0	1	0	0	0	0	0	0	1
PTGES2	0	0	0	1	0	0	0	0	0	0	1
PTGES2	0	0	0	1	0	0	0	0	0	0	1
RAB11FIP1	0	0	0	1	0	0	0	0	0	0	1
DDHD1	0	0	0	1	0	0	0	0	0	0	1
TDRD3	0	0	0	1	0	0	0	0	0	0	1
COLQ	0	0	0	1	0	0	0	0	0	0	1
COLQ	0	0	0	1	0	0	0	0	0	0	1
MRO	0	0	0	1	0	0	0	0	0	0	1
MRO	0	0	0	1	0	0	0	0	0	0	1
MRO	0	0	0	1	0	0	0	0	0	0	1
ACBD6	0	0	0	1	0	0	0	0	0	0	1
ZMAT1	0	0	0	1	0	0	0	0	0	0	1
ITGA10	0	0	0	1	0	0	0	0	0	0	1
SCARF1	0	0	0	1	0	0	0	0	0	0	1
SCARF1	0	0	0	1	0	0	0	0	0	0	1
ADAM9	0	0	0	1	0	0	0	0	0	0	1
COPS2	0	0	0	1	0	0	0	0	0	0	1
ACRC	0	0	0	1	0	0	0	0	0	0	1
ENTPD4	0	0	0	1	0	0	0	0	0	0	1
CDC2	0	0	0	1	0	0	0	0	0	0	1
G3BP1	1	0	0	0	0	0	0	0	0	0	1
GLYAT	1	0	0	0	0	0	0	0	0	0	1
SNAPC5	1	0	0	0	0	0	0	0	0	0	1
RAPGEF3	1	0	0	0	0	0	0	0	0	0	1
RAPGEF3	1	0	0	0	0	0	0	0	0	0	1
RAPGEF3	1	0	0	0	0	0	0	0	0	0	1
GMEB1	1	0	0	0	0	0	0	0	0	0	1
GMEB1	1	0	0	0	0	0	0	0	0	0	1

NEK6	1	0	0	0	0	0	0	0	0	0	1
WDR4	1	0	0	0	0	0	0	0	0	0	1
MAN1A2	1	0	0	0	0	0	0	0	0	0	1
UTS2	1	0	0	0	0	0	0	0	0	0	1
UTS2	1	0	0	0	0	0	0	0	0	0	1
MSL3L1	1	0	0	0	0	0	0	0	0	0	1
MSL3L1	1	0	0	0	0	0	0	0	0	0	1
RABL4	1	0	0	0	0	0	0	0	0	0	1
ATE1	1	0	0	0	0	0	0	0	0	0	1
ATE1	1	0	0	0	0	0	0	0	0	0	1
AP4S1	1	0	0	0	0	0	0	0	0	0	1
INSL6	1	0	0	0	0	0	0	0	0	0	1
ADCY6	1	0	0	0	0	0	0	0	0	0	1
CHN1	1	0	0	0	0	0	0	0	0	0	1
AP1GBP1	1	0	0	0	0	0	0	0	0	0	1
XAB1	1	0	0	0	0	0	0	0	0	0	1
OSBPL10	1	0	0	0	0	0	0	0	0	0	1
CHCHD1	1	0	0	0	0	0	0	0	0	0	1
SFXN4	1	0	0	0	0	0	0	0	0	0	1
SLC38A10	1	0	0	0	0	0	0	0	0	0	1
ZNF816A	1	0	0	0	0	0	0	0	0	0	1
C1orf125	1	0	0	0	0	0	0	0	0	0	1
COL4A3	1	0	0	0	0	0	0	0	0	0	1
XIRP2	1	0	0	0	0	0	0	0	0	0	1
BTBD14A	1	0	0	0	0	0	0	0	0	0	1
C9orf41	1	0	0	0	0	0	0	0	0	0	1
ATF2	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
RNF32	1	0	0	0	0	0	0	0	0	0	1
ABHD12B	1	0	0	0	0	0	0	0	0	0	1

ZNF555	1	0	0	0	0	0	0	0	0	0	1
C1orf51	1	0	0	0	0	0	0	0	0	0	1
CTNNB1	1	0	0	0	0	0	0	0	0	0	1
CTNNB1	1	0	0	0	0	0	0	0	0	0	1
PPP4R2	1	0	0	0	0	0	0	0	0	0	1
RNF217	1	0	0	0	0	0	0	0	0	0	1
CYP2E1	1	0	0	0	0	0	0	0	0	0	1
C8orf45	1	0	0	0	0	0	0	0	0	0	1
C9orf66	1	0	0	0	0	0	0	0	0	0	1
DAB1	1	0	0	0	0	0	0	0	0	0	1
AP2A2	1	0	0	0	0	0	0	0	0	0	1
TRPV3	1	0	0	0	0	0	0	0	0	0	1
HFM1	1	0	0	0	0	0	0	0	0	0	1
DACT2	1	0	0	0	0	0	0	0	0	0	1
GIMAP1	1	0	0	0	0	0	0	0	0	0	1
CLYBL	1	0	0	0	0	0	0	0	0	0	1
FAM9C	1	0	0	0	0	0	0	0	0	0	1
EDA	1	0	0	0	0	0	0	0	0	0	1
EDNRB	1	0	0	0	0	0	0	0	0	0	1
SUSD3	1	0	0	0	0	0	0	0	0	0	1
SLC44A5	1	0	0	0	0	0	0	0	0	0	1
ESRRG	1	0	0	0	0	0	0	0	0	0	1
EVI1	1	0	0	0	0	0	0	0	0	0	1
EVI1	1	0	0	0	0	0	0	0	0	0	1
EVI1	1	0	0	0	0	0	0	0	0	0	1
EXT1	1	0	0	0	0	0	0	0	0	0	1
FAM123A	1	0	0	0	0	0	0	0	0	0	1
FAM123A	1	0	0	0	0	0	0	0	0	0	1
FAM124A	1	0	0	0	0	0	0	0	0	0	1
JMJD1C	1	0	0	0	0	0	0	0	0	0	1
TDRD6	1	0	0	0	0	0	0	0	0	0	1
PHACTR1	1	0	0	0	0	0	0	0	0	0	1
C7orf27	1	0	0	0	0	0	0	0	0	0	1
TMED4	1	0	0	0	0	0	0	0	0	0	1
ATXN7L1	1	0	0	0	0	0	0	0	0	0	1
SEPT6	1	0	0	0	0	0	0	0	0	0	1
SEPT6	1	0	0	0	0	0	0	0	0	0	1
SEPT6	1	0	0	0	0	0	0	0	0	0	1
ACSBG1	1	0	0	0	0	0	0	0	0	0	1
RHOBTB2	1	0	0	0	0	0	0	0	0	0	1
DOCK9	1	0	0	0	0	0	0	0	0	0	1

DOCK9	1	0	0	0	0	0	0	0	0	0	1
NCSTN	1	0	0	0	0	0	0	0	0	0	1
SF3B1	1	0	0	0	0	0	0	0	0	0	1
CBX6	1	0	0	0	0	0	0	0	0	0	1
ZIM2	1	0	0	0	0	0	0	0	0	0	1
FUCA2	1	0	0	0	0	0	0	0	0	0	1
FUS	1	0	0	0	0	0	0	0	0	0	1
IPMK	1	0	0	0	0	0	0	0	0	0	1
ELMOD2	1	0	0	0	0	0	0	0	0	0	1
GAD2	1	0	0	0	0	0	0	0	0	0	1
USP49	1	0	0	0	0	0	0	0	0	0	1
WWTR1	1	0	0	0	0	0	0	0	0	0	1
HACL1	1	0	0	0	0	0	0	0	0	0	1
OR1J2	1	0	0	0	0	0	0	0	0	0	1
HTF9C	1	0	0	0	0	0	0	0	0	0	1
ATP5S	1	0	0	0	0	0	0	0	0	0	1
ATP5S	1	0	0	0	0	0	0	0	0	0	1
ATP5S	1	0	0	0	0	0	0	0	0	0	1
INVS	1	0	0	0	0	0	0	0	0	0	1
ZNF638	1	0	0	0	0	0	0	0	0	0	1
ZNF638	1	0	0	0	0	0	0	0	0	0	1
C12orf51	1	0	0	0	0	0	0	0	0	0	1
FAM98B	1	0	0	0	0	0	0	0	0	0	1
GRIN2A	1	0	0	0	0	0	0	0	0	0	1
GSTM4	1	0	0	0	0	0	0	0	0	0	1
GSTM4	1	0	0	0	0	0	0	0	0	0	1
GSTM5	1	0	0	0	0	0	0	0	0	0	1
PURG	1	0	0	0	0	0	0	0	0	0	1
GLTSCR2	1	0	0	0	0	0	0	0	0	0	1
NRG1	1	0	0	0	0	0	0	0	0	0	1
NRG1	1	0	0	0	0	0	0	0	0	0	1
NRG1	1	0	0	0	0	0	0	0	0	0	1
NRG1	1	0	0	0	0	0	0	0	0	0	1
NRG1	1	0	0	0	0	0	0	0	0	0	1
HLA-E	1	0	0	0	0	0	0	0	0	0	1
EIF4E3	1	0	0	0	0	0	0	0	0	0	1
RFESD	1	0	0	0	0	0	0	0	0	0	1
RFESD	1	0	0	0	0	0	0	0	0	0	1
RFESD	1	0	0	0	0	0	0	0	0	0	1
RAB37	1	0	0	0	0	0	0	0	0	0	1
HSP90AB1	1	0	0	0	0	0	0	0	0	0	1

ZNF678	1	0	0	0	0	0	0	0	0	0	1
SP110	1	0	0	0	0	0	0	0	0	0	1
SP110	1	0	0	0	0	0	0	0	0	0	1
SP110	1	0	0	0	0	0	0	0	0	0	1
RBPJ	1	0	0	0	0	0	0	0	0	0	1
RBPJ	1	0	0	0	0	0	0	0	0	0	1
RBPJ	1	0	0	0	0	0	0	0	0	0	1
RBPJ	1	0	0	0	0	0	0	0	0	0	1
ZNF445	1	0	0	0	0	0	0	0	0	0	1
IGLL1	1	0	0	0	0	0	0	0	0	0	1
IL6ST	1	0	0	0	0	0	0	0	0	0	1
ING1	1	0	0	0	0	0	0	0	0	0	1
INS	1	0	0	0	0	0	0	0	0	0	1
INSL4	1	0	0	0	0	0	0	0	0	0	1
ITGAL	1	0	0	0	0	0	0	0	0	0	1
ITGB1	1	0	0	0	0	0	0	0	0	0	1
ITGB1	1	0	0	0	0	0	0	0	0	0	1
ITGB1	1	0	0	0	0	0	0	0	0	0	1
ITIH2	1	0	0	0	0	0	0	0	0	0	1
TRIM23	1	0	0	0	0	0	0	0	0	0	1
TRIM23	1	0	0	0	0	0	0	0	0	0	1
KCND3	1	0	0	0	0	0	0	0	0	0	1
KCND3	1	0	0	0	0	0	0	0	0	0	1
KCNG1	1	0	0	0	0	0	0	0	0	0	1
KCNK2	1	0	0	0	0	0	0	0	0	0	1
KCNK2	1	0	0	0	0	0	0	0	0	0	1
KCNK2	1	0	0	0	0	0	0	0	0	0	1
KPNA5	1	0	0	0	0	0	0	0	0	0	1
ARHGAP6	1	0	0	0	0	0	0	0	0	0	1
LIMK2	1	0	0	0	0	0	0	0	0	0	1
LNPEP	1	0	0	0	0	0	0	0	0	0	1
MAGEB1	1	0	0	0	0	0	0	0	0	0	1
MLH1	1	0	0	0	0	0	0	0	0	0	1
MLL	1	0	0	0	0	0	0	0	0	0	1
LOC441054	1	0	0	0	0	0	0	0	0	0	1
MST1	1	0	0	0	0	0	0	0	0	0	1
NFATC2	1	0	0	0	0	0	0	0	0	0	1
NFATC2	1	0	0	0	0	0	0	0	0	0	1
ATP2A2	1	0	0	0	0	0	0	0	0	0	1
NTRK3	1	0	0	0	0	0	0	0	0	0	1
NTRK3	1	0	0	0	0	0	0	0	0	0	1

NTRK3	1	0	0	0	0	0	0	0	0	0	1
GCNT4	1	0	0	0	0	0	0	0	0	0	1
MRPL35	1	0	0	0	0	0	0	0	0	0	1
PDE1C	1	0	0	0	0	0	0	0	0	0	1
CXXC5	1	0	0	0	0	0	0	0	0	0	1
RBMX2	1	0	0	0	0	0	0	0	0	0	1
RAPGEF6	1	0	0	0	0	0	0	0	0	0	1
ATP8A2	1	0	0	0	0	0	0	0	0	0	1
PKHD1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
ADAM22	1	0	0	0	0	0	0	0	0	0	1
ADAM22	1	0	0	0	0	0	0	0	0	0	1
ADAM22	1	0	0	0	0	0	0	0	0	0	1
ADAM22	1	0	0	0	0	0	0	0	0	0	1
POU2F1	1	0	0	0	0	0	0	0	0	0	1
EXOC6	1	0	0	0	0	0	0	0	0	0	1
C9orf11	1	0	0	0	0	0	0	0	0	0	1
GON4L	1	0	0	0	0	0	0	0	0	0	1
PINX1	1	0	0	0	0	0	0	0	0	0	1
ACPP	1	0	0	0	0	0	0	0	0	0	1
UACA	1	0	0	0	0	0	0	0	0	0	1
UQCC	1	0	0	0	0	0	0	0	0	0	1
UQCC	1	0	0	0	0	0	0	0	0	0	1
KIAA1704	1	0	0	0	0	0	0	0	0	0	1
PRG2	1	0	0	0	0	0	0	0	0	0	1
GABRQ	1	0	0	0	0	0	0	0	0	0	1
EIF2AK2	1	0	0	0	0	0	0	0	0	0	1
ANKS1B	1	0	0	0	0	0	0	0	0	0	1
KIAA1244	1	0	0	0	0	0	0	0	0	0	1
ODF2L	1	0	0	0	0	0	0	0	0	0	1
ODF2L	1	0	0	0	0	0	0	0	0	0	1
KIAA1324	1	0	0	0	0	0	0	0	0	0	1
CC2D2A	1	0	0	0	0	0	0	0	0	0	1
CC2D2A	1	0	0	0	0	0	0	0	0	0	1

POGK	1	0	0	0	0	0	0	0	0	0	1
KIAA1529	1	0	0	0	0	0	0	0	0	0	1
WDFY4	1	0	0	0	0	0	0	0	0	0	1
JAM2	1	0	0	0	0	0	0	0	0	0	1
ZNF462	1	0	0	0	0	0	0	0	0	0	1
ENPP5	1	0	0	0	0	0	0	0	0	0	1
RXFP1	1	0	0	0	0	0	0	0	0	0	1
CDH26	1	0	0	0	0	0	0	0	0	0	1
CDH26	1	0	0	0	0	0	0	0	0	0	1
FIGNL1	1	0	0	0	0	0	0	0	0	0	1
SUSD1	1	0	0	0	0	0	0	0	0	0	1
TUT1	1	0	0	0	0	0	0	0	0	0	1
CASD1	1	0	0	0	0	0	0	0	0	0	1
SLC30A5	1	0	0	0	0	0	0	0	0	0	1
SLC30A5	1	0	0	0	0	0	0	0	0	0	1
SLC2A5	1	0	0	0	0	0	0	0	0	0	1
SLC6A4	1	0	0	0	0	0	0	0	0	0	1
DST	1	0	0	0	0	0	0	0	0	0	1
SP100	1	0	0	0	0	0	0	0	0	0	1
SSRP1	1	0	0	0	0	0	0	0	0	0	1
SSX5	1	0	0	0	0	0	0	0	0	0	1
SSX5	1	0	0	0	0	0	0	0	0	0	1
VAMP1	1	0	0	0	0	0	0	0	0	0	1
THRA	1	0	0	0	0	0	0	0	0	0	1
TIMP1	1	0	0	0	0	0	0	0	0	0	1
TLN1	1	0	0	0	0	0	0	0	0	0	1
TTN	1	0	0	0	0	0	0	0	0	0	1
TTN	1	0	0	0	0	0	0	0	0	0	1
TTN	1	0	0	0	0	0	0	0	0	0	1
TTN	1	0	0	0	0	0	0	0	0	0	1
TXNRD1	1	0	0	0	0	0	0	0	0	0	1
UTY	1	0	0	0	0	0	0	0	0	0	1
UTY	1	0	0	0	0	0	0	0	0	0	1
VLDLR	1	0	0	0	0	0	0	0	0	0	1
XPNPEP1	1	0	0	0	0	0	0	0	0	0	1
ZBTB17	1	0	0	0	0	0	0	0	0	0	1
ZMYM2	1	0	0	0	0	0	0	0	0	0	1
ELOVL6	1	0	0	0	0	0	0	0	0	0	1
C2orf49	1	0	0	0	0	0	0	0	0	0	1
CARD14	1	0	0	0	0	0	0	0	0	0	1
CENPO	1	0	0	0	0	0	0	0	0	0	1

BAT1	1	0	0	0	0	0	0	0	0	0	1
ZXDC	1	0	0	0	0	0	0	0	0	0	1
GLB1L	1	0	0	0	0	0	0	0	0	0	1
ASB13	1	0	0	0	0	0	0	0	0	0	1
IQCA	1	0	0	0	0	0	0	0	0	0	1
ZNF669	1	0	0	0	0	0	0	0	0	0	1
SCD5	1	0	0	0	0	0	0	0	0	0	1
ANKRD53	1	0	0	0	0	0	0	0	0	0	1
IFT74	1	0	0	0	0	0	0	0	0	0	1
IFT74	1	0	0	0	0	0	0	0	0	0	1
C10orf79	1	0	0	0	0	0	0	0	0	0	1
C6orf25	1	0	0	0	0	0	0	0	0	0	1
C6orf25	1	0	0	0	0	0	0	0	0	0	1
C6orf25	1	0	0	0	0	0	0	0	0	0	1
C6orf25	1	0	0	0	0	0	0	0	0	0	1
C6orf25	1	0	0	0	0	0	0	0	0	0	1
C6orf25	1	0	0	0	0	0	0	0	0	0	1
C12orf39	1	0	0	0	0	0	0	0	0	0	1
FAM49A	1	0	0	0	0	0	0	0	0	0	1
CD99L2	1	0	0	0	0	0	0	0	0	0	1
ARMC10	1	0	0	0	0	0	0	0	0	0	1
RSPH3	1	0	0	0	0	0	0	0	0	0	1
EFCAB2	1	0	0	0	0	0	0	0	0	0	1
NCK2	1	0	0	0	0	0	0	0	0	0	1
CAPS2	1	0	0	0	0	0	0	0	0	0	1
RAE1	1	0	0	0	0	0	0	0	0	0	1
RAE1	1	0	0	0	0	0	0	0	0	0	1
ORAI1	1	0	0	0	0	0	0	0	0	0	1
C11orf70	1	0	0	0	0	0	0	0	0	0	1
RNASET2	1	0	0	0	0	0	0	0	0	0	1
EIF4G3	1	0	0	0	0	0	0	0	0	0	1
CES2	1	0	0	0	0	0	0	0	0	0	1
GYG2	1	0	0	0	0	0	0	0	0	0	1
MBD2	1	0	0	0	0	0	0	0	0	0	1
EXO1	1	0	0	0	0	0	0	0	0	0	1
EXO1	1	0	0	0	0	0	0	0	0	0	1
LOC91893	1	0	0	0	0	0	0	0	0	0	1
ZMYM5	1	0	0	0	0	0	0	0	0	0	1
ZMYM5	1	0	0	0	0	0	0	0	0	0	1
DLGAP1	1	0	0	0	0	0	0	0	0	0	1
DLGAP1	1	0	0	0	0	0	0	0	0	0	1

RPS6KA5	1	0	0	0	0	0	0	0	0	0	1
ADAMTSL1	1	0	0	0	0	0	0	0	0	0	1
GTF3C5	1	0	0	0	0	0	0	0	0	0	1
GTF3C5	1	0	0	0	0	0	0	0	0	0	1
GLP2R	1	0	0	0	0	0	0	0	0	0	1
FOXP2	1	0	0	0	0	0	0	0	0	0	1
FOXP2	1	0	0	0	0	0	0	0	0	0	1
RECQL5	1	0	0	0	0	0	0	0	0	0	1
RECQL5	1	0	0	0	0	0	0	0	0	0	1
SIGLEC6	1	0	0	0	0	0	0	0	0	0	1
SIGLEC6	1	0	0	0	0	0	0	0	0	0	1
SIGLEC6	1	0	0	0	0	0	0	0	0	0	1
RASAL2	1	0	0	0	0	0	0	0	0	0	1
ROCK2	1	0	0	0	0	0	0	0	0	0	1
PTGES	1	0	0	0	0	0	0	0	0	0	1
DEPDC5	1	0	0	0	0	0	0	0	0	0	1
CKAP5	1	0	0	0	0	0	0	0	0	0	1
CKAP5	1	0	0	0	0	0	0	0	0	0	1
MAML1	1	0	0	0	0	0	0	0	0	0	1
NUPL1	1	0	0	0	0	0	0	0	0	0	1
NUPL1	1	0	0	0	0	0	0	0	0	0	1
CDC5L	1	0	0	0	0	0	0	0	0	0	1
CRYZL1	1	0	0	0	0	0	0	0	0	0	1
CDH3	0	1	0	0	0	0	0	0	0	0	1
DNAJB6	0	1	0	0	0	0	0	0	0	0	1
CDH9	0	1	0	0	0	0	0	0	0	0	1
HUWE1	0	1	0	0	0	0	0	0	0	0	1
COL4A3BP	0	1	0	0	0	0	0	0	0	0	1
RAD50	0	1	0	0	0	0	0	0	0	0	1
LRPPRC	0	1	0	0	0	0	0	0	0	0	1
FRY	0	1	0	0	0	0	0	0	0	0	1
WASF2	0	1	0	0	0	0	0	0	0	0	1
SLC25A15	0	1	0	0	0	0	0	0	0	0	1
RCL1	0	1	0	0	0	0	0	0	0	0	1
CDK3	0	1	0	0	0	0	0	0	0	0	1
TNK2	0	1	0	0	0	0	0	0	0	0	1
PRMT3	0	1	0	0	0	0	0	0	0	0	1
ADAM10	0	1	0	0	0	0	0	0	0	0	1
TOPORS	0	1	0	0	0	0	0	0	0	0	1
COQ7	0	1	0	0	0	0	0	0	0	0	1
LRRC17	0	1	0	0	0	0	0	0	0	0	1

SPRY2	0	1	0	0	0	0	0	0	0	0	1
STAM2	0	1	0	0	0	0	0	0	0	0	1
ZMPSTE24	0	1	0	0	0	0	0	0	0	0	1
FSTL3	0	1	0	0	0	0	0	0	0	0	1
UBE4B	0	1	0	0	0	0	0	0	0	0	1
LILRB2	0	1	0	0	0	0	0	0	0	0	1
SF3A1	0	1	0	0	0	0	0	0	0	0	1
ZNF267	0	1	0	0	0	0	0	0	0	0	1
CDKN2C	0	1	0	0	0	0	0	0	0	0	1
RTN3	0	1	0	0	0	0	0	0	0	0	1
RTN3	0	1	0	0	0	0	0	0	0	0	1
RRAGB	0	1	0	0	0	0	0	0	0	0	1
TLR6	0	1	0	0	0	0	0	0	0	0	1
TRIM22	0	1	0	0	0	0	0	0	0	0	1
CITED2	0	1	0	0	0	0	0	0	0	0	1
NOD1	0	1	0	0	0	0	0	0	0	0	1
SPAG11B	0	1	0	0	0	0	0	0	0	0	1
SPAG11B	0	1	0	0	0	0	0	0	0	0	1
MAP3K7IP1	0	1	0	0	0	0	0	0	0	0	1
SLC30A9	0	1	0	0	0	0	0	0	0	0	1
ZNF238	0	1	0	0	0	0	0	0	0	0	1
CEACAM5	0	1	0	0	0	0	0	0	0	0	1
FBLN5	0	1	0	0	0	0	0	0	0	0	1
ATG7	0	1	0	0	0	0	0	0	0	0	1
ARFGEF1	0	1	0	0	0	0	0	0	0	0	1
SLU7	0	1	0	0	0	0	0	0	0	0	1
MTHFS	0	1	0	0	0	0	0	0	0	0	1
SLCO1B1	0	1	0	0	0	0	0	0	0	0	1
CENPE	0	1	0	0	0	0	0	0	0	0	1
GAS2L1	0	1	0	0	0	0	0	0	0	0	1
KHDRBS3	0	1	0	0	0	0	0	0	0	0	1
KHDRBS1	0	1	0	0	0	0	0	0	0	0	1
CXCR6	0	1	0	0	0	0	0	0	0	0	1
GNA13	0	1	0	0	0	0	0	0	0	0	1
GNB5	0	1	0	0	0	0	0	0	0	0	1
MGEA5	0	1	0	0	0	0	0	0	0	0	1
YME1L1	0	1	0	0	0	0	0	0	0	0	1
STAG3	0	1	0	0	0	0	0	0	0	0	1
AHCYL1	0	1	0	0	0	0	0	0	0	0	1
POP4	0	1	0	0	0	0	0	0	0	0	1
ZNF273	0	1	0	0	0	0	0	0	0	0	1

CPLX2	0	1	0	0	0	0	0	0	0	0	1
FRS3	0	1	0	0	0	0	0	0	0	0	1
C5orf4	0	1	0	0	0	0	0	0	0	0	1
C5orf4	0	1	0	0	0	0	0	0	0	0	1
HCP5	0	1	0	0	0	0	0	0	0	0	1
TSPAN9	0	1	0	0	0	0	0	0	0	0	1
RAB10	0	1	0	0	0	0	0	0	0	0	1
SUGT1	0	1	0	0	0	0	0	0	0	0	1
PAPOLA	0	1	0	0	0	0	0	0	0	0	1
BTNL3	0	1	0	0	0	0	0	0	0	0	1
SMPDL3A	0	1	0	0	0	0	0	0	0	0	1
APOBEC2	0	1	0	0	0	0	0	0	0	0	1
EHD1	0	1	0	0	0	0	0	0	0	0	1
SF3A3	0	1	0	0	0	0	0	0	0	0	1
TOMM34	0	1	0	0	0	0	0	0	0	0	1
GLIPR1	0	1	0	0	0	0	0	0	0	0	1
DSTN	0	1	0	0	0	0	0	0	0	0	1
ABHD2	0	1	0	0	0	0	0	0	0	0	1
SOX30	0	1	0	0	0	0	0	0	0	0	1
CHD3	0	1	0	0	0	0	0	0	0	0	1
HSF2BP	0	1	0	0	0	0	0	0	0	0	1
NUPL2	0	1	0	0	0	0	0	0	0	0	1
KRR1	0	1	0	0	0	0	0	0	0	0	1
FGFR1OP	0	1	0	0	0	0	0	0	0	0	1
FOXN3	0	1	0	0	0	0	0	0	0	0	1
MAP4K5	0	1	0	0	0	0	0	0	0	0	1
NISCH	0	1	0	0	0	0	0	0	0	0	1
ANXA10	0	1	0	0	0	0	0	0	0	0	1
SEC63	0	1	0	0	0	0	0	0	0	0	1
PDCD10	0	1	0	0	0	0	0	0	0	0	1
EGLN2	0	1	0	0	0	0	0	0	0	0	1
NXPH2	0	1	0	0	0	0	0	0	0	0	1
SNF8	0	1	0	0	0	0	0	0	0	0	1
B4GALT7	0	1	0	0	0	0	0	0	0	0	1
TP53RK	0	1	0	0	0	0	0	0	0	0	1
CDCA5	0	1	0	0	0	0	0	0	0	0	1
STK38	0	1	0	0	0	0	0	0	0	0	1
CHRNA1	0	1	0	0	0	0	0	0	0	0	1
TEX261	0	1	0	0	0	0	0	0	0	0	1
MGLL	0	1	0	0	0	0	0	0	0	0	1
GABARAPL2	0	1	0	0	0	0	0	0	0	0	1

TOE1	0	1	0	0	0	0	0	0	0	0	1
LACTB	0	1	0	0	0	0	0	0	0	0	1
CYGB	0	1	0	0	0	0	0	0	0	0	1
BTBD9	0	1	0	0	0	0	0	0	0	0	1
ZNF452	0	1	0	0	0	0	0	0	0	0	1
FBXO32	0	1	0	0	0	0	0	0	0	0	1
UHRF2	0	1	0	0	0	0	0	0	0	0	1
FAM46B	0	1	0	0	0	0	0	0	0	0	1
ADCYAP1	0	1	0	0	0	0	0	0	0	0	1
SLC22A12	0	1	0	0	0	0	0	0	0	0	1
HSPA12B	0	1	0	0	0	0	0	0	0	0	1
ART5	0	1	0	0	0	0	0	0	0	0	1
TAGAP	0	1	0	0	0	0	0	0	0	0	1
CLCN2	0	1	0	0	0	0	0	0	0	0	1
LOH12CR1	0	1	0	0	0	0	0	0	0	0	1
ADD2	0	1	0	0	0	0	0	0	0	0	1
ADD2	0	1	0	0	0	0	0	0	0	0	1
ADD3	0	1	0	0	0	0	0	0	0	0	1
TMEM45B	0	1	0	0	0	0	0	0	0	0	1
DPH4	0	1	0	0	0	0	0	0	0	0	1
TMEM16D	0	1	0	0	0	0	0	0	0	0	1
PPIL5	0	1	0	0	0	0	0	0	0	0	1
PPIL5	0	1	0	0	0	0	0	0	0	0	1
TTC8	0	1	0	0	0	0	0	0	0	0	1
SLC25A29	0	1	0	0	0	0	0	0	0	0	1
C16orf46	0	1	0	0	0	0	0	0	0	0	1
IQCK	0	1	0	0	0	0	0	0	0	0	1
LOC124446	0	1	0	0	0	0	0	0	0	0	1
CYB5D1	0	1	0	0	0	0	0	0	0	0	1
ZSWIM7	0	1	0	0	0	0	0	0	0	0	1
ZSWIM7	0	1	0	0	0	0	0	0	0	0	1
COX6B2	0	1	0	0	0	0	0	0	0	0	1
C19orf28	0	1	0	0	0	0	0	0	0	0	1
RPTN	0	1	0	0	0	0	0	0	0	0	1
WDR63	0	1	0	0	0	0	0	0	0	0	1
DMBX1	0	1	0	0	0	0	0	0	0	0	1
KLHDC7A	0	1	0	0	0	0	0	0	0	0	1
COL3A1	0	1	0	0	0	0	0	0	0	0	1
EDARADD	0	1	0	0	0	0	0	0	0	0	1
COL4A4	0	1	0	0	0	0	0	0	0	0	1
LOC129293	0	1	0	0	0	0	0	0	0	0	1

MITD1	0	1	0	0	0	0	0	0	0	0	1
TAF8	0	1	0	0	0	0	0	0	0	0	1
TTC32	0	1	0	0	0	0	0	0	0	0	1
COL17A1	0	1	0	0	0	0	0	0	0	0	1
FBXO36	0	1	0	0	0	0	0	0	0	0	1
FAM3D	0	1	0	0	0	0	0	0	0	0	1
COPA	0	1	0	0	0	0	0	0	0	0	1
LRRC15	0	1	0	0	0	0	0	0	0	0	1
ADK	0	1	0	0	0	0	0	0	0	0	1
C4orf33	0	1	0	0	0	0	0	0	0	0	1
GNPDA2	0	1	0	0	0	0	0	0	0	0	1
SPATA4	0	1	0	0	0	0	0	0	0	0	1
TRAM1L1	0	1	0	0	0	0	0	0	0	0	1
ENPP6	0	1	0	0	0	0	0	0	0	0	1
COX10	0	1	0	0	0	0	0	0	0	0	1
CPE	0	1	0	0	0	0	0	0	0	0	1
CPM	0	1	0	0	0	0	0	0	0	0	1
C8orf38	0	1	0	0	0	0	0	0	0	0	1
SGCZ	0	1	0	0	0	0	0	0	0	0	1
RALYL	0	1	0	0	0	0	0	0	0	0	1
HGSNAT	0	1	0	0	0	0	0	0	0	0	1
C9orf85	0	1	0	0	0	0	0	0	0	0	1
UPRT	0	1	0	0	0	0	0	0	0	0	1
GAB3	0	1	0	0	0	0	0	0	0	0	1
CRK	0	1	0	0	0	0	0	0	0	0	1
CRK	0	1	0	0	0	0	0	0	0	0	1
ASB8	0	1	0	0	0	0	0	0	0	0	1
CRX	0	1	0	0	0	0	0	0	0	0	1
ADAMTS14	0	1	0	0	0	0	0	0	0	0	1
PARP1	0	1	0	0	0	0	0	0	0	0	1
DUSP19	0	1	0	0	0	0	0	0	0	0	1
RAB40A	0	1	0	0	0	0	0	0	0	0	1
ASB15	0	1	0	0	0	0	0	0	0	0	1
MAPK14	0	1	0	0	0	0	0	0	0	0	1
MAPK14	0	1	0	0	0	0	0	0	0	0	1
HECTD2	0	1	0	0	0	0	0	0	0	0	1
PSMA8	0	1	0	0	0	0	0	0	0	0	1
CSF1	0	1	0	0	0	0	0	0	0	0	1
LYRM5	0	1	0	0	0	0	0	0	0	0	1
A2ML1	0	1	0	0	0	0	0	0	0	0	1
FBXL14	0	1	0	0	0	0	0	0	0	0	1

CSN2	0	1	0	0	0	0	0	0	0	0	1
MDP-1	0	1	0	0	0	0	0	0	0	0	1
Gcom1	0	1	0	0	0	0	0	0	0	0	1
Gcom1	0	1	0	0	0	0	0	0	0	0	1
TMED6	0	1	0	0	0	0	0	0	0	0	1
PRSS36	0	1	0	0	0	0	0	0	0	0	1
MGAT5B	0	1	0	0	0	0	0	0	0	0	1
TMEM199	0	1	0	0	0	0	0	0	0	0	1
NOTUM	0	1	0	0	0	0	0	0	0	0	1
TMC8	0	1	0	0	0	0	0	0	0	0	1
WIPF2	0	1	0	0	0	0	0	0	0	0	1
CBLN2	0	1	0	0	0	0	0	0	0	0	1
ZNF560	0	1	0	0	0	0	0	0	0	0	1
MOBKL2C	0	1	0	0	0	0	0	0	0	0	1
CNIH3	0	1	0	0	0	0	0	0	0	0	1
CTNS	0	1	0	0	0	0	0	0	0	0	1
CTNS	0	1	0	0	0	0	0	0	0	0	1
ADRA2A	0	1	0	0	0	0	0	0	0	0	1
IGSF5	0	1	0	0	0	0	0	0	0	0	1
CTNND2	0	1	0	0	0	0	0	0	0	0	1
FAM109B	0	1	0	0	0	0	0	0	0	0	1
LOC150383	0	1	0	0	0	0	0	0	0	0	1
C2orf15	0	1	0	0	0	0	0	0	0	0	1
CTSB	0	1	0	0	0	0	0	0	0	0	1
PUS10	0	1	0	0	0	0	0	0	0	0	1
ADRA2B	0	1	0	0	0	0	0	0	0	0	1
DPPA2	0	1	0	0	0	0	0	0	0	0	1
C9orf19	0	1	0	0	0	0	0	0	0	0	1
CUX1	0	1	0	0	0	0	0	0	0	0	1
DAB2IP	0	1	0	0	0	0	0	0	0	0	1
IQUB	0	1	0	0	0	0	0	0	0	0	1
KCTD7	0	1	0	0	0	0	0	0	0	0	1
LOC155006	0	1	0	0	0	0	0	0	0	0	1
CRYGN	0	1	0	0	0	0	0	0	0	0	1
AMZ1	0	1	0	0	0	0	0	0	0	0	1
CYP2C18	0	1	0	0	0	0	0	0	0	0	1
TMEM65	0	1	0	0	0	0	0	0	0	0	1
RDH10	0	1	0	0	0	0	0	0	0	0	1
CYP4A11	0	1	0	0	0	0	0	0	0	0	1
ZDHHC15	0	1	0	0	0	0	0	0	0	0	1
CLECL1	0	1	0	0	0	0	0	0	0	0	1

ALDH1L2	0	1	0	0	0	0	0	0	0	0	1
C14orf83	0	1	0	0	0	0	0	0	0	0	1
MDGA2	0	1	0	0	0	0	0	0	0	0	1
DAZL	0	1	0	0	0	0	0	0	0	0	1
ADAL	0	1	0	0	0	0	0	0	0	0	1
AP1B1	0	1	0	0	0	0	0	0	0	0	1
ZFP1	0	1	0	0	0	0	0	0	0	0	1
FAM134C	0	1	0	0	0	0	0	0	0	0	1
DCC	0	1	0	0	0	0	0	0	0	0	1
ZNF564	0	1	0	0	0	0	0	0	0	0	1
DCTD	0	1	0	0	0	0	0	0	0	0	1
APCDD1L	0	1	0	0	0	0	0	0	0	0	1
GADD45A	0	1	0	0	0	0	0	0	0	0	1
GPR113	0	1	0	0	0	0	0	0	0	0	1
DMXL1	0	1	0	0	0	0	0	0	0	0	1
RNF168	0	1	0	0	0	0	0	0	0	0	1
DHX15	0	1	0	0	0	0	0	0	0	0	1
DEFA4	0	1	0	0	0	0	0	0	0	0	1
PAPD4	0	1	0	0	0	0	0	0	0	0	1
DFFB	0	1	0	0	0	0	0	0	0	0	1
ZNF92	0	1	0	0	0	0	0	0	0	0	1
GIMAP7	0	1	0	0	0	0	0	0	0	0	1
ZNF596	0	1	0	0	0	0	0	0	0	0	1
NUDT10	0	1	0	0	0	0	0	0	0	0	1
ZNF721	0	1	0	0	0	0	0	0	0	0	1
DHCR24	0	1	0	0	0	0	0	0	0	0	1
DLG1	0	1	0	0	0	0	0	0	0	0	1
DLX3	0	1	0	0	0	0	0	0	0	0	1
DLX5	0	1	0	0	0	0	0	0	0	0	1
DLX6	0	1	0	0	0	0	0	0	0	0	1
DNM1	0	1	0	0	0	0	0	0	0	0	1
DNM1	0	1	0	0	0	0	0	0	0	0	1
DMWD	0	1	0	0	0	0	0	0	0	0	1
DNAH9	0	1	0	0	0	0	0	0	0	0	1
DYNC1I1	0	1	0	0	0	0	0	0	0	0	1
DRD2	0	1	0	0	0	0	0	0	0	0	1
ARID3A	0	1	0	0	0	0	0	0	0	0	1
DVL2	0	1	0	0	0	0	0	0	0	0	1
ECT2	0	1	0	0	0	0	0	0	0	0	1
B3GNT6	0	1	0	0	0	0	0	0	0	0	1
EFNA5	0	1	0	0	0	0	0	0	0	0	1

EGF	0	1	0	0	0	0	0	0	0	0	1
EGFR	0	1	0	0	0	0	0	0	0	0	1
C9orf21	0	1	0	0	0	0	0	0	0	0	1
C10orf72	0	1	0	0	0	0	0	0	0	0	1
EPHA2	0	1	0	0	0	0	0	0	0	0	1
MLKL	0	1	0	0	0	0	0	0	0	0	1
ZNF778	0	1	0	0	0	0	0	0	0	0	1
ELAVL1	0	1	0	0	0	0	0	0	0	0	1
ELF2	0	1	0	0	0	0	0	0	0	0	1
C1orf168	0	1	0	0	0	0	0	0	0	0	1
TMEM201	0	1	0	0	0	0	0	0	0	0	1
SLFNL1	0	1	0	0	0	0	0	0	0	0	1
ELK1	0	1	0	0	0	0	0	0	0	0	1
ELK3	0	1	0	0	0	0	0	0	0	0	1
TET3	0	1	0	0	0	0	0	0	0	0	1
MUC20	0	1	0	0	0	0	0	0	0	0	1
MARK2	0	1	0	0	0	0	0	0	0	0	1
RAB12	0	1	0	0	0	0	0	0	0	0	1
VSTM3	0	1	0	0	0	0	0	0	0	0	1
TMEM154	0	1	0	0	0	0	0	0	0	0	1
C4orf34	0	1	0	0	0	0	0	0	0	0	1
TMEM192	0	1	0	0	0	0	0	0	0	0	1
DNAJC18	0	1	0	0	0	0	0	0	0	0	1
STK32A	0	1	0	0	0	0	0	0	0	0	1
C9orf93	0	1	0	0	0	0	0	0	0	0	1
EPHA5	0	1	0	0	0	0	0	0	0	0	1
EPHB2	0	1	0	0	0	0	0	0	0	0	1
ERCC6	0	1	0	0	0	0	0	0	0	0	1
ETFDH	0	1	0	0	0	0	0	0	0	0	1
EXTL3	0	1	0	0	0	0	0	0	0	0	1
ALCAM	0	1	0	0	0	0	0	0	0	0	1
ALDH1A1	0	1	0	0	0	0	0	0	0	0	1
F13A1	0	1	0	0	0	0	0	0	0	0	1
F13B	0	1	0	0	0	0	0	0	0	0	1
FANCA	0	1	0	0	0	0	0	0	0	0	1
FANCG	0	1	0	0	0	0	0	0	0	0	1
FBLN1	0	1	0	0	0	0	0	0	0	0	1
FBLN1	0	1	0	0	0	0	0	0	0	0	1
STOX1	0	1	0	0	0	0	0	0	0	0	1
ALDH1A3	0	1	0	0	0	0	0	0	0	0	1
VWCE	0	1	0	0	0	0	0	0	0	0	1

SLC16A9	0	1	0	0	0	0	0	0	0	0	1
REEP3	0	1	0	0	0	0	0	0	0	0	1
NT5DC1	0	1	0	0	0	0	0	0	0	0	1
FCGR3B	0	1	0	0	0	0	0	0	0	0	1
ZBTB9	0	1	0	0	0	0	0	0	0	0	1
SDK1	0	1	0	0	0	0	0	0	0	0	1
DAGLB	0	1	0	0	0	0	0	0	0	0	1
SCUBE3	0	1	0	0	0	0	0	0	0	0	1
GPC4	0	1	0	0	0	0	0	0	0	0	1
FGA	0	1	0	0	0	0	0	0	0	0	1
PPM1E	0	1	0	0	0	0	0	0	0	0	1
ANKRD26	0	1	0	0	0	0	0	0	0	0	1
NLRP1	0	1	0	0	0	0	0	0	0	0	1
NLGN1	0	1	0	0	0	0	0	0	0	0	1
KIAA0907	0	1	0	0	0	0	0	0	0	0	1
FOXG1	0	1	0	0	0	0	0	0	0	0	1
PLA2R1	0	1	0	0	0	0	0	0	0	0	1
FOXF1	0	1	0	0	0	0	0	0	0	0	1
SHANK2	0	1	0	0	0	0	0	0	0	0	1
CCT5	0	1	0	0	0	0	0	0	0	0	1
PAXIP1	0	1	0	0	0	0	0	0	0	0	1
FOXL1	0	1	0	0	0	0	0	0	0	0	1
PLCH1	0	1	0	0	0	0	0	0	0	0	1
PLCH1	0	1	0	0	0	0	0	0	0	0	1
STK38L	0	1	0	0	0	0	0	0	0	0	1
FAIM2	0	1	0	0	0	0	0	0	0	0	1
ASCC3L1	0	1	0	0	0	0	0	0	0	0	1
RBM34	0	1	0	0	0	0	0	0	0	0	1
SAMD4A	0	1	0	0	0	0	0	0	0	0	1
TXNDC4	0	1	0	0	0	0	0	0	0	0	1
HECW1	0	1	0	0	0	0	0	0	0	0	1
UHRF1BP1L	0	1	0	0	0	0	0	0	0	0	1
SWAP70	0	1	0	0	0	0	0	0	0	0	1
EXPH5	0	1	0	0	0	0	0	0	0	0	1
FOXO3	0	1	0	0	0	0	0	0	0	0	1
CDC2L6	0	1	0	0	0	0	0	0	0	0	1
FSTL4	0	1	0	0	0	0	0	0	0	0	1
FLI1	0	1	0	0	0	0	0	0	0	0	1
ZZEF1	0	1	0	0	0	0	0	0	0	0	1
DCUN1D4	0	1	0	0	0	0	0	0	0	0	1
WDR43	0	1	0	0	0	0	0	0	0	0	1

GGA3	0	1	0	0	0	0	0	0	0	0	1
SLC35D1	0	1	0	0	0	0	0	0	0	0	1
FLNC	0	1	0	0	0	0	0	0	0	0	1
MESDC2	0	1	0	0	0	0	0	0	0	0	1
FAM120A	0	1	0	0	0	0	0	0	0	0	1
ARL6IP1	0	1	0	0	0	0	0	0	0	0	1
FLT3	0	1	0	0	0	0	0	0	0	0	1
RRP12	0	1	0	0	0	0	0	0	0	0	1
KIAA0746	0	1	0	0	0	0	0	0	0	0	1
FLT4	0	1	0	0	0	0	0	0	0	0	1
PDS5A	0	1	0	0	0	0	0	0	0	0	1
KIAA0460	0	1	0	0	0	0	0	0	0	0	1
SCFD1	0	1	0	0	0	0	0	0	0	0	1
FMO2	0	1	0	0	0	0	0	0	0	0	1
KIAA0774	0	1	0	0	0	0	0	0	0	0	1
AGTPBP1	0	1	0	0	0	0	0	0	0	0	1
FBXW11	0	1	0	0	0	0	0	0	0	0	1
MGRN1	0	1	0	0	0	0	0	0	0	0	1
CUX2	0	1	0	0	0	0	0	0	0	0	1
ZCCHC11	0	1	0	0	0	0	0	0	0	0	1
KIAA1033	0	1	0	0	0	0	0	0	0	0	1
VPS39	0	1	0	0	0	0	0	0	0	0	1
VPS8	0	1	0	0	0	0	0	0	0	0	1
PPP1R13B	0	1	0	0	0	0	0	0	0	0	1
KIAA0892	0	1	0	0	0	0	0	0	0	0	1
MED13L	0	1	0	0	0	0	0	0	0	0	1
ADNP	0	1	0	0	0	0	0	0	0	0	1
GRIP1	0	1	0	0	0	0	0	0	0	0	1
ANGPTL2	0	1	0	0	0	0	0	0	0	0	1
FOLH1	0	1	0	0	0	0	0	0	0	0	1
GCAT	0	1	0	0	0	0	0	0	0	0	1
TRAM1	0	1	0	0	0	0	0	0	0	0	1
TGDS	0	1	0	0	0	0	0	0	0	0	1
LEPROTL1	0	1	0	0	0	0	0	0	0	0	1
SUZ12	0	1	0	0	0	0	0	0	0	0	1
KIAA0146	0	1	0	0	0	0	0	0	0	0	1
SKIV2L2	0	1	0	0	0	0	0	0	0	0	1
PIK3R5	0	1	0	0	0	0	0	0	0	0	1
TNPO3	0	1	0	0	0	0	0	0	0	0	1
FOSB	0	1	0	0	0	0	0	0	0	0	1
SEZ6L	0	1	0	0	0	0	0	0	0	0	1

ATP6V0A2	0	1	0	0	0	0	0	0	0	0	1
SMUG1	0	1	0	0	0	0	0	0	0	0	1
KCNE1L	0	1	0	0	0	0	0	0	0	0	1
KCNE4	0	1	0	0	0	0	0	0	0	0	1
CADM1	0	1	0	0	0	0	0	0	0	0	1
MTCH1	0	1	0	0	0	0	0	0	0	0	1
ALOX5	0	1	0	0	0	0	0	0	0	0	1
FSHR	0	1	0	0	0	0	0	0	0	0	1
ABL1	0	1	0	0	0	0	0	0	0	0	1
ZBTB38	0	1	0	0	0	0	0	0	0	0	1
SLC25A30	0	1	0	0	0	0	0	0	0	0	1
ZDHHC23	0	1	0	0	0	0	0	0	0	0	1
ZNF718	0	1	0	0	0	0	0	0	0	0	1
GABRA2	0	1	0	0	0	0	0	0	0	0	1
GABRA5	0	1	0	0	0	0	0	0	0	0	1
CCDC110	0	1	0	0	0	0	0	0	0	0	1
LYSMD2	0	1	0	0	0	0	0	0	0	0	1
CXorf23	0	1	0	0	0	0	0	0	0	0	1
SNX33	0	1	0	0	0	0	0	0	0	0	1
RAB3GAP2	0	1	0	0	0	0	0	0	0	0	1
SLC39A6	0	1	0	0	0	0	0	0	0	0	1
LMOD1	0	1	0	0	0	0	0	0	0	0	1
ATXN10	0	1	0	0	0	0	0	0	0	0	1
TNFAIP8	0	1	0	0	0	0	0	0	0	0	1
BACE2	0	1	0	0	0	0	0	0	0	0	1
BACE2	0	1	0	0	0	0	0	0	0	0	1
FBXL2	0	1	0	0	0	0	0	0	0	0	1
SULT4A1	0	1	0	0	0	0	0	0	0	0	1
DKFZP434B0335	0	1	0	0	0	0	0	0	0	0	1
FAM149A	0	1	0	0	0	0	0	0	0	0	1
PRKD2	0	1	0	0	0	0	0	0	0	0	1
INTS7	0	1	0	0	0	0	0	0	0	0	1
C3orf60	0	1	0	0	0	0	0	0	0	0	1
SGMS1	0	1	0	0	0	0	0	0	0	0	1
ZNF521	0	1	0	0	0	0	0	0	0	0	1
C20orf194	0	1	0	0	0	0	0	0	0	0	1
KBTBD2	0	1	0	0	0	0	0	0	0	0	1
MMACHC	0	1	0	0	0	0	0	0	0	0	1
SNED1	0	1	0	0	0	0	0	0	0	0	1
GORASP2	0	1	0	0	0	0	0	0	0	0	1

LRIG1	0	1	0	0	0	0	0	0	0	0	1
TMEM98	0	1	0	0	0	0	0	0	0	0	1
ZNF500	0	1	0	0	0	0	0	0	0	0	1
RAB11FIP5	0	1	0	0	0	0	0	0	0	0	1
ANKRD17	0	1	0	0	0	0	0	0	0	0	1
POLDIP2	0	1	0	0	0	0	0	0	0	0	1
CCDC9	0	1	0	0	0	0	0	0	0	0	1
LDLRAP1	0	1	0	0	0	0	0	0	0	0	1
TES	0	1	0	0	0	0	0	0	0	0	1
C10orf12	0	1	0	0	0	0	0	0	0	0	1
STEAP2	0	1	0	0	0	0	0	0	0	0	1
FBXO25	0	1	0	0	0	0	0	0	0	0	1
FBXO22	0	1	0	0	0	0	0	0	0	0	1
FBXO22	0	1	0	0	0	0	0	0	0	0	1
FBXO3	0	1	0	0	0	0	0	0	0	0	1
PLA2G2D	0	1	0	0	0	0	0	0	0	0	1
ARFGAP3	0	1	0	0	0	0	0	0	0	0	1
GBP2	0	1	0	0	0	0	0	0	0	0	1
GCH1	0	1	0	0	0	0	0	0	0	0	1
GCN5L2	0	1	0	0	0	0	0	0	0	0	1
INTS6	0	1	0	0	0	0	0	0	0	0	1
FXC1	0	1	0	0	0	0	0	0	0	0	1
TIMM13	0	1	0	0	0	0	0	0	0	0	1
EIF2C1	0	1	0	0	0	0	0	0	0	0	1
OSTF1	0	1	0	0	0	0	0	0	0	0	1
TBL2	0	1	0	0	0	0	0	0	0	0	1
BEST4	0	1	0	0	0	0	0	0	0	0	1
GPR110	0	1	0	0	0	0	0	0	0	0	1
GPR110	0	1	0	0	0	0	0	0	0	0	1
GPR160	0	1	0	0	0	0	0	0	0	0	1
TCL6	0	1	0	0	0	0	0	0	0	0	1
TCL6	0	1	0	0	0	0	0	0	0	0	1
TCL6	0	1	0	0	0	0	0	0	0	0	1
GJA4	0	1	0	0	0	0	0	0	0	0	1
GJA5	0	1	0	0	0	0	0	0	0	0	1
NOX1	0	1	0	0	0	0	0	0	0	0	1
ANKRD1	0	1	0	0	0	0	0	0	0	0	1
CLUL1	0	1	0	0	0	0	0	0	0	0	1
PDE7B	0	1	0	0	0	0	0	0	0	0	1
DKK3	0	1	0	0	0	0	0	0	0	0	1
IL1F8	0	1	0	0	0	0	0	0	0	0	1

GPR81	0	1	0	0	0	0	0	0	0	0	1
AMPD3	0	1	0	0	0	0	0	0	0	0	1
GLB1	0	1	0	0	0	0	0	0	0	0	1
PCDH17	0	1	0	0	0	0	0	0	0	0	1
TEKT2	0	1	0	0	0	0	0	0	0	0	1
SPINK4	0	1	0	0	0	0	0	0	0	0	1
RBMS3	0	1	0	0	0	0	0	0	0	0	1
BHLHB5	0	1	0	0	0	0	0	0	0	0	1
HTATSF1	0	1	0	0	0	0	0	0	0	0	1
GLG1	0	1	0	0	0	0	0	0	0	0	1
STK39	0	1	0	0	0	0	0	0	0	0	1
GLP1R	0	1	0	0	0	0	0	0	0	0	1
CECR6	0	1	0	0	0	0	0	0	0	0	1
GNB1	0	1	0	0	0	0	0	0	0	0	1
GNG4	0	1	0	0	0	0	0	0	0	0	1
GOLGB1	0	1	0	0	0	0	0	0	0	0	1
SLCO4A1	0	1	0	0	0	0	0	0	0	0	1
GPR4	0	1	0	0	0	0	0	0	0	0	1
GPR6	0	1	0	0	0	0	0	0	0	0	1
MKX	0	1	0	0	0	0	0	0	0	0	1
FLJ33790	0	1	0	0	0	0	0	0	0	0	1
KCTD21	0	1	0	0	0	0	0	0	0	0	1
GPR12	0	1	0	0	0	0	0	0	0	0	1
ZDHHC22	0	1	0	0	0	0	0	0	0	0	1
KIAA0284	0	1	0	0	0	0	0	0	0	0	1
CDRT4	0	1	0	0	0	0	0	0	0	0	1
CXCL17	0	1	0	0	0	0	0	0	0	0	1
C19orf63	0	1	0	0	0	0	0	0	0	0	1
C19orf63	0	1	0	0	0	0	0	0	0	0	1
HKR1	0	1	0	0	0	0	0	0	0	0	1
SIRPB2	0	1	0	0	0	0	0	0	0	0	1
DNAJC5G	0	1	0	0	0	0	0	0	0	0	1
DLL1	0	1	0	0	0	0	0	0	0	0	1
SUMF1	0	1	0	0	0	0	0	0	0	0	1
DPH3	0	1	0	0	0	0	0	0	0	0	1
CYP4V2	0	1	0	0	0	0	0	0	0	0	1
SH3PXD2B	0	1	0	0	0	0	0	0	0	0	1
ARL10	0	1	0	0	0	0	0	0	0	0	1
RGMB	0	1	0	0	0	0	0	0	0	0	1
C6orf182	0	1	0	0	0	0	0	0	0	0	1
PPIL6	0	1	0	0	0	0	0	0	0	0	1

CNPY1	0	1	0	0	0	0	0	0	0	0	1
WBSCR19	0	1	0	0	0	0	0	0	0	0	1
SCARA5	0	1	0	0	0	0	0	0	0	0	1
FBXO43	0	1	0	0	0	0	0	0	0	0	1
FAM133A	0	1	0	0	0	0	0	0	0	0	1
ANK2	0	1	0	0	0	0	0	0	0	0	1
TRIM42	0	1	0	0	0	0	0	0	0	0	1
GPX3	0	1	0	0	0	0	0	0	0	0	1
MRPS28	0	1	0	0	0	0	0	0	0	0	1
GIT1	0	1	0	0	0	0	0	0	0	0	1
GRIN1	0	1	0	0	0	0	0	0	0	0	1
CCDC113	0	1	0	0	0	0	0	0	0	0	1
C18orf55	0	1	0	0	0	0	0	0	0	0	1
CNIH4	0	1	0	0	0	0	0	0	0	0	1
TMEM208	0	1	0	0	0	0	0	0	0	0	1
DNAJC15	0	1	0	0	0	0	0	0	0	0	1
N6AMT1	0	1	0	0	0	0	0	0	0	0	1
DDX25	0	1	0	0	0	0	0	0	0	0	1
CTNNA3	0	1	0	0	0	0	0	0	0	0	1
CLEC2D	0	1	0	0	0	0	0	0	0	0	1
GRM6	0	1	0	0	0	0	0	0	0	0	1
GSPT1	0	1	0	0	0	0	0	0	0	0	1
GSR	0	1	0	0	0	0	0	0	0	0	1
GSS	0	1	0	0	0	0	0	0	0	0	1
GSTA4	0	1	0	0	0	0	0	0	0	0	1
GSTM3	0	1	0	0	0	0	0	0	0	0	1
GTF2E2	0	1	0	0	0	0	0	0	0	0	1
USP25	0	1	0	0	0	0	0	0	0	0	1
NCAPH2	0	1	0	0	0	0	0	0	0	0	1
REPIN1	0	1	0	0	0	0	0	0	0	0	1
GUCY1A3	0	1	0	0	0	0	0	0	0	0	1
GUCY1B3	0	1	0	0	0	0	0	0	0	0	1
EEF2K	0	1	0	0	0	0	0	0	0	0	1
UBIAD1	0	1	0	0	0	0	0	0	0	0	1
NME7	0	1	0	0	0	0	0	0	0	0	1
GPR132	0	1	0	0	0	0	0	0	0	0	1
TRHDE	0	1	0	0	0	0	0	0	0	0	1
STRN3	0	1	0	0	0	0	0	0	0	0	1
PSAT1	0	1	0	0	0	0	0	0	0	0	1
SLC39A3	0	1	0	0	0	0	0	0	0	0	1
LMCD1	0	1	0	0	0	0	0	0	0	0	1

H2AFZ	0	1	0	0	0	0	0	0	0	0	1
HIST1H2BD	0	1	0	0	0	0	0	0	0	0	1
HABP2	0	1	0	0	0	0	0	0	0	0	1
HADHA	0	1	0	0	0	0	0	0	0	0	1
HCFC1	0	1	0	0	0	0	0	0	0	0	1
HELLS	0	1	0	0	0	0	0	0	0	0	1
ZNRD1	0	1	0	0	0	0	0	0	0	0	1
HIVEP1	0	1	0	0	0	0	0	0	0	0	1
HK1	0	1	0	0	0	0	0	0	0	0	1
HLA-F	0	1	0	0	0	0	0	0	0	0	1
HLA-G	0	1	0	0	0	0	0	0	0	0	1
DDX51	0	1	0	0	0	0	0	0	0	0	1
HNRNPA2B1	0	1	0	0	0	0	0	0	0	0	1
HNRPD	0	1	0	0	0	0	0	0	0	0	1
HNRPH3	0	1	0	0	0	0	0	0	0	0	1
APOF	0	1	0	0	0	0	0	0	0	0	1
HOXC13	0	1	0	0	0	0	0	0	0	0	1
APBB2	0	1	0	0	0	0	0	0	0	0	1
HOXD10	0	1	0	0	0	0	0	0	0	0	1
APC	0	1	0	0	0	0	0	0	0	0	1
APEH	0	1	0	0	0	0	0	0	0	0	1
HSD17B2	0	1	0	0	0	0	0	0	0	0	1
HTR4	0	1	0	0	0	0	0	0	0	0	1
KRTAP11-1	0	1	0	0	0	0	0	0	0	0	1
NLRP9	0	1	0	0	0	0	0	0	0	0	1
APOBEC1	0	1	0	0	0	0	0	0	0	0	1
C1orf174	0	1	0	0	0	0	0	0	0	0	1
FAM5C	0	1	0	0	0	0	0	0	0	0	1
C1orf110	0	1	0	0	0	0	0	0	0	0	1
SPOPL	0	1	0	0	0	0	0	0	0	0	1
ESPNL	0	1	0	0	0	0	0	0	0	0	1
KY	0	1	0	0	0	0	0	0	0	0	1
ZNF680	0	1	0	0	0	0	0	0	0	0	1
VSIG1	0	1	0	0	0	0	0	0	0	0	1
IDE	0	1	0	0	0	0	0	0	0	0	1
SLC35F4	0	1	0	0	0	0	0	0	0	0	1
IDI1	0	1	0	0	0	0	0	0	0	0	1
ZKSCAN2	0	1	0	0	0	0	0	0	0	0	1
AQP8	0	1	0	0	0	0	0	0	0	0	1
IFIT1	0	1	0	0	0	0	0	0	0	0	1
C2orf55	0	1	0	0	0	0	0	0	0	0	1

PAQR9	0	1	0	0	0	0	0	0	0	0	1
TMEM157	0	1	0	0	0	0	0	0	0	0	1
IGF1R	0	1	0	0	0	0	0	0	0	0	1
RBPMS2	0	1	0	0	0	0	0	0	0	0	1
IGFBP5	0	1	0	0	0	0	0	0	0	0	1
GATS	0	1	0	0	0	0	0	0	0	0	1
TBC1D26	0	1	0	0	0	0	0	0	0	0	1
IGSF1	0	1	0	0	0	0	0	0	0	0	1
IGSF1	0	1	0	0	0	0	0	0	0	0	1
IL6R	0	1	0	0	0	0	0	0	0	0	1
IL6R	0	1	0	0	0	0	0	0	0	0	1
IL8	0	1	0	0	0	0	0	0	0	0	1
IL12A	0	1	0	0	0	0	0	0	0	0	1
INHBC	0	1	0	0	0	0	0	0	0	0	1
INSM1	0	1	0	0	0	0	0	0	0	0	1
ITGAD	0	1	0	0	0	0	0	0	0	0	1
STT3A	0	1	0	0	0	0	0	0	0	0	1
JUN	0	1	0	0	0	0	0	0	0	0	1
KCNA7	0	1	0	0	0	0	0	0	0	0	1
C10orf96	0	1	0	0	0	0	0	0	0	0	1
KRT77	0	1	0	0	0	0	0	0	0	0	1
C18orf34	0	1	0	0	0	0	0	0	0	0	1
KCNC4	0	1	0	0	0	0	0	0	0	0	1
KCNC4	0	1	0	0	0	0	0	0	0	0	1
MIA3	0	1	0	0	0	0	0	0	0	0	1
FAM89A	0	1	0	0	0	0	0	0	0	0	1
KCND2	0	1	0	0	0	0	0	0	0	0	1
MAST4	0	1	0	0	0	0	0	0	0	0	1
C9orf102	0	1	0	0	0	0	0	0	0	0	1
KCNJ3	0	1	0	0	0	0	0	0	0	0	1
KCNJ8	0	1	0	0	0	0	0	0	0	0	1
KCNJ14	0	1	0	0	0	0	0	0	0	0	1
KCNJ15	0	1	0	0	0	0	0	0	0	0	1
ARL4D	0	1	0	0	0	0	0	0	0	0	1
KDR	0	1	0	0	0	0	0	0	0	0	1
KLK2	0	1	0	0	0	0	0	0	0	0	1
KLK2	0	1	0	0	0	0	0	0	0	0	1
KPNA3	0	1	0	0	0	0	0	0	0	0	1
ARG2	0	1	0	0	0	0	0	0	0	0	1
KRT6B	0	1	0	0	0	0	0	0	0	0	1
KRT12	0	1	0	0	0	0	0	0	0	0	1

C6orf174	0	1	0	0	0	0	0	0	0	0	1
RHOB	0	1	0	0	0	0	0	0	0	0	1
C17orf76	0	1	0	0	0	0	0	0	0	0	1
C17orf76	0	1	0	0	0	0	0	0	0	0	1
RPRML	0	1	0	0	0	0	0	0	0	0	1
HES5	0	1	0	0	0	0	0	0	0	0	1
SP5	0	1	0	0	0	0	0	0	0	0	1
KRT86	0	1	0	0	0	0	0	0	0	0	1
L1CAM	0	1	0	0	0	0	0	0	0	0	1
LAMP2	0	1	0	0	0	0	0	0	0	0	1
C9orf128	0	1	0	0	0	0	0	0	0	0	1
LHCGR	0	1	0	0	0	0	0	0	0	0	1
SHC4	0	1	0	0	0	0	0	0	0	0	1
C14orf181	0	1	0	0	0	0	0	0	0	0	1
C1orf220	0	1	0	0	0	0	0	0	0	0	1
LOC401152	0	1	0	0	0	0	0	0	0	0	1
C9orf105	0	1	0	0	0	0	0	0	0	0	1
C9orf105	0	1	0	0	0	0	0	0	0	0	1
LPL	0	1	0	0	0	0	0	0	0	0	1
ARNT	0	1	0	0	0	0	0	0	0	0	1
ARNT	0	1	0	0	0	0	0	0	0	0	1
HERV-FRD	0	1	0	0	0	0	0	0	0	0	1
BCAM	0	1	0	0	0	0	0	0	0	0	1
ARNTL	0	1	0	0	0	0	0	0	0	0	1
ARRB1	0	1	0	0	0	0	0	0	0	0	1
MXD1	0	1	0	0	0	0	0	0	0	0	1
MAD2L1	0	1	0	0	0	0	0	0	0	0	1
MAN1A1	0	1	0	0	0	0	0	0	0	0	1
MANBA	0	1	0	0	0	0	0	0	0	0	1
MB	0	1	0	0	0	0	0	0	0	0	1
MBD1	0	1	0	0	0	0	0	0	0	0	1
MBD1	0	1	0	0	0	0	0	0	0	0	1
MDS1	0	1	0	0	0	0	0	0	0	0	1
MEF2C	0	1	0	0	0	0	0	0	0	0	1
MEP1A	0	1	0	0	0	0	0	0	0	0	1
MLLT3	0	1	0	0	0	0	0	0	0	0	1
MLLT4	0	1	0	0	0	0	0	0	0	0	1
MLLT6	0	1	0	0	0	0	0	0	0	0	1
NR3C2	0	1	0	0	0	0	0	0	0	0	1
LHX8	0	1	0	0	0	0	0	0	0	0	1
MNT	0	1	0	0	0	0	0	0	0	0	1

MPL	0	1	0	0	0	0	0	0	0	0	1
MPP2	0	1	0	0	0	0	0	0	0	0	1
MPZ	0	1	0	0	0	0	0	0	0	0	1
MXRA7	0	1	0	0	0	0	0	0	0	0	1
MXRA7	0	1	0	0	0	0	0	0	0	0	1
TTLL13	0	1	0	0	0	0	0	0	0	0	1
BCL2L15	0	1	0	0	0	0	0	0	0	0	1
C1orf186	0	1	0	0	0	0	0	0	0	0	1
MT1X	0	1	0	0	0	0	0	0	0	0	1
MT2A	0	1	0	0	0	0	0	0	0	0	1
NAP1L1	0	1	0	0	0	0	0	0	0	0	1
NCAM1	0	1	0	0	0	0	0	0	0	0	1
NDUFA4	0	1	0	0	0	0	0	0	0	0	1
NDUFA7	0	1	0	0	0	0	0	0	0	0	1
NDUFAB1	0	1	0	0	0	0	0	0	0	0	1
NEDD4	0	1	0	0	0	0	0	0	0	0	1
NEUROD1	0	1	0	0	0	0	0	0	0	0	1
ATP1A2	0	1	0	0	0	0	0	0	0	0	1
NFIA	0	1	0	0	0	0	0	0	0	0	1
ACO1	0	1	0	0	0	0	0	0	0	0	1
NHS	0	1	0	0	0	0	0	0	0	0	1
NID1	0	1	0	0	0	0	0	0	0	0	1
NNAT	0	1	0	0	0	0	0	0	0	0	1
NOTCH3	0	1	0	0	0	0	0	0	0	0	1
NPM1	0	1	0	0	0	0	0	0	0	0	1
NRGN	0	1	0	0	0	0	0	0	0	0	1
NRGN	0	1	0	0	0	0	0	0	0	0	1
NTSR1	0	1	0	0	0	0	0	0	0	0	1
NUP98	0	1	0	0	0	0	0	0	0	0	1
NR4A2	0	1	0	0	0	0	0	0	0	0	1
OAS2	0	1	0	0	0	0	0	0	0	0	1
OAS2	0	1	0	0	0	0	0	0	0	0	1
ODC1	0	1	0	0	0	0	0	0	0	0	1
ATP4B	0	1	0	0	0	0	0	0	0	0	1
ORC1L	0	1	0	0	0	0	0	0	0	0	1
ORC4L	0	1	0	0	0	0	0	0	0	0	1
OXCT1	0	1	0	0	0	0	0	0	0	0	1
P2RX7	0	1	0	0	0	0	0	0	0	0	1
PCSK6	0	1	0	0	0	0	0	0	0	0	1
NOX4	0	1	0	0	0	0	0	0	0	0	1
PAFAH2	0	1	0	0	0	0	0	0	0	0	1

PAH	0	1	0	0	0	0	0	0	0	0	1
IL21R	0	1	0	0	0	0	0	0	0	0	1
CNTN3	0	1	0	0	0	0	0	0	0	0	1
PAPPA	0	1	0	0	0	0	0	0	0	0	1
WDR42A	0	1	0	0	0	0	0	0	0	0	1
PAX3	0	1	0	0	0	0	0	0	0	0	1
PAX3	0	1	0	0	0	0	0	0	0	0	1
PAX3	0	1	0	0	0	0	0	0	0	0	1
PAX3	0	1	0	0	0	0	0	0	0	0	1
MYEF2	0	1	0	0	0	0	0	0	0	0	1
HDGFRP3	0	1	0	0	0	0	0	0	0	0	1
ISOC1	0	1	0	0	0	0	0	0	0	0	1
ZBTB7B	0	1	0	0	0	0	0	0	0	0	1
SPG3A	0	1	0	0	0	0	0	0	0	0	1
CUTC	0	1	0	0	0	0	0	0	0	0	1
THAP4	0	1	0	0	0	0	0	0	0	0	1
SIDT2	0	1	0	0	0	0	0	0	0	0	1
C8orf70	0	1	0	0	0	0	0	0	0	0	1
FAM108B1	0	1	0	0	0	0	0	0	0	0	1
COMMD2	0	1	0	0	0	0	0	0	0	0	1
SAR1B	0	1	0	0	0	0	0	0	0	0	1
ATPBD1C	0	1	0	0	0	0	0	0	0	0	1
CKLF	0	1	0	0	0	0	0	0	0	0	1
DDX47	0	1	0	0	0	0	0	0	0	0	1
DUSP13	0	1	0	0	0	0	0	0	0	0	1
PCSK2	0	1	0	0	0	0	0	0	0	0	1
CLEC1B	0	1	0	0	0	0	0	0	0	0	1
UBAP1	0	1	0	0	0	0	0	0	0	0	1
BET1L	0	1	0	0	0	0	0	0	0	0	1
BET1L	0	1	0	0	0	0	0	0	0	0	1
GOLM1	0	1	0	0	0	0	0	0	0	0	1
CHCHD8	0	1	0	0	0	0	0	0	0	0	1
CYP39A1	0	1	0	0	0	0	0	0	0	0	1
KCNK9	0	1	0	0	0	0	0	0	0	0	1
TLR8	0	1	0	0	0	0	0	0	0	0	1
RSRC1	0	1	0	0	0	0	0	0	0	0	1
SPTBN5	0	1	0	0	0	0	0	0	0	0	1
UBR5	0	1	0	0	0	0	0	0	0	0	1
PDE4B	0	1	0	0	0	0	0	0	0	0	1
AMOTL2	0	1	0	0	0	0	0	0	0	0	1
ZNF107	0	1	0	0	0	0	0	0	0	0	1

C1orf9	0	1	0	0	0	0	0	0	0	0	1
HPCAL4	0	1	0	0	0	0	0	0	0	0	1
LCMT1	0	1	0	0	0	0	0	0	0	0	1
REV1	0	1	0	0	0	0	0	0	0	0	1
EVL	0	1	0	0	0	0	0	0	0	0	1
PDE6D	0	1	0	0	0	0	0	0	0	0	1
PTPLAD1	0	1	0	0	0	0	0	0	0	0	1
ATP5F1	0	1	0	0	0	0	0	0	0	0	1
PDE7A	0	1	0	0	0	0	0	0	0	0	1
C14orf100	0	1	0	0	0	0	0	0	0	0	1
PDGFA	0	1	0	0	0	0	0	0	0	0	1
PDGFA	0	1	0	0	0	0	0	0	0	0	1
VPS54	0	1	0	0	0	0	0	0	0	0	1
RAB14	0	1	0	0	0	0	0	0	0	0	1
IL23A	0	1	0	0	0	0	0	0	0	0	1
MBIP	0	1	0	0	0	0	0	0	0	0	1
UFM1	0	1	0	0	0	0	0	0	0	0	1
PDHA1	0	1	0	0	0	0	0	0	0	0	1
ATP6V1H	0	1	0	0	0	0	0	0	0	0	1
LUC7L2	0	1	0	0	0	0	0	0	0	0	1
OTUD6B	0	1	0	0	0	0	0	0	0	0	1
YPEL5	0	1	0	0	0	0	0	0	0	0	1
MRPS33	0	1	0	0	0	0	0	0	0	0	1
ASB2	0	1	0	0	0	0	0	0	0	0	1
ARID4B	0	1	0	0	0	0	0	0	0	0	1
CROP	0	1	0	0	0	0	0	0	0	0	1
PFKFB3	0	1	0	0	0	0	0	0	0	0	1
ABCB1	0	1	0	0	0	0	0	0	0	0	1
ATP6V1E1	0	1	0	0	0	0	0	0	0	0	1
PLCB4	0	1	0	0	0	0	0	0	0	0	1
PLCL1	0	1	0	0	0	0	0	0	0	0	1
ATP6V1G2	0	1	0	0	0	0	0	0	0	0	1
SERPINF2	0	1	0	0	0	0	0	0	0	0	1
PLK1	0	1	0	0	0	0	0	0	0	0	1
ATP7A	0	1	0	0	0	0	0	0	0	0	1
FXYD6	0	1	0	0	0	0	0	0	0	0	1
IL20RB	0	1	0	0	0	0	0	0	0	0	1
ACP5	0	1	0	0	0	0	0	0	0	0	1
SETD4	0	1	0	0	0	0	0	0	0	0	1
MRPL39	0	1	0	0	0	0	0	0	0	0	1
TREM1	0	1	0	0	0	0	0	0	0	0	1

SNTG1	0	1	0	0	0	0	0	0	0	0	1
NOLA1	0	1	0	0	0	0	0	0	0	0	1
ATAD2B	0	1	0	0	0	0	0	0	0	0	1
PLEKHA5	0	1	0	0	0	0	0	0	0	0	1
DGCR8	0	1	0	0	0	0	0	0	0	0	1
C11orf71	0	1	0	0	0	0	0	0	0	0	1
HMGCLL1	0	1	0	0	0	0	0	0	0	0	1
ING3	0	1	0	0	0	0	0	0	0	0	1
DLL4	0	1	0	0	0	0	0	0	0	0	1
UGT1A8	0	1	0	0	0	0	0	0	0	0	1
UGT1A6	0	1	0	0	0	0	0	0	0	0	1
POU4F2	0	1	0	0	0	0	0	0	0	0	1
HES2	0	1	0	0	0	0	0	0	0	0	1
CRLS1	0	1	0	0	0	0	0	0	0	0	1
ATPBD1B	0	1	0	0	0	0	0	0	0	0	1
PPAT	0	1	0	0	0	0	0	0	0	0	1
FBLIM1	0	1	0	0	0	0	0	0	0	0	1
IL17RD	0	1	0	0	0	0	0	0	0	0	1
PPP1R12C	0	1	0	0	0	0	0	0	0	0	1
ALKBH4	0	1	0	0	0	0	0	0	0	0	1
SAMD9	0	1	0	0	0	0	0	0	0	0	1
GATAD2A	0	1	0	0	0	0	0	0	0	0	1
ZCCHC10	0	1	0	0	0	0	0	0	0	0	1
ERCC6L	0	1	0	0	0	0	0	0	0	0	1
DEF8	0	1	0	0	0	0	0	0	0	0	1
BCOR	0	1	0	0	0	0	0	0	0	0	1
RETSAT	0	1	0	0	0	0	0	0	0	0	1
TBC1D8B	0	1	0	0	0	0	0	0	0	0	1
ALKBH5	0	1	0	0	0	0	0	0	0	0	1
NCAPG2	0	1	0	0	0	0	0	0	0	0	1
C12orf41	0	1	0	0	0	0	0	0	0	0	1
C11orf59	0	1	0	0	0	0	0	0	0	0	1
STX17	0	1	0	0	0	0	0	0	0	0	1
C17orf80	0	1	0	0	0	0	0	0	0	0	1
ZWILCH	0	1	0	0	0	0	0	0	0	0	1
SUSD4	0	1	0	0	0	0	0	0	0	0	1
ATP5SL	0	1	0	0	0	0	0	0	0	0	1
PPP1R8	0	1	0	0	0	0	0	0	0	0	1
LARP2	0	1	0	0	0	0	0	0	0	0	1
FAM90A1	0	1	0	0	0	0	0	0	0	0	1
ANKZF1	0	1	0	0	0	0	0	0	0	0	1

CEP27	0	1	0	0	0	0	0	0	0	0	1
CEP55	0	1	0	0	0	0	0	0	0	0	1
PPP2R1B	0	1	0	0	0	0	0	0	0	0	1
ARL8B	0	1	0	0	0	0	0	0	0	0	1
DCUN1D2	0	1	0	0	0	0	0	0	0	0	1
KLHDC8A	0	1	0	0	0	0	0	0	0	0	1
LRRC1	0	1	0	0	0	0	0	0	0	0	1
USP40	0	1	0	0	0	0	0	0	0	0	1
SMU1	0	1	0	0	0	0	0	0	0	0	1
STEAP3	0	1	0	0	0	0	0	0	0	0	1
PPP2R5A	0	1	0	0	0	0	0	0	0	0	1
VPS53	0	1	0	0	0	0	0	0	0	0	1
RHOT1	0	1	0	0	0	0	0	0	0	0	1
FBXW7	0	1	0	0	0	0	0	0	0	0	1
C5orf22	0	1	0	0	0	0	0	0	0	0	1
UFSP2	0	1	0	0	0	0	0	0	0	0	1
C17orf85	0	1	0	0	0	0	0	0	0	0	1
CAMK2N1	0	1	0	0	0	0	0	0	0	0	1
CDV3	0	1	0	0	0	0	0	0	0	0	1
CDV3	0	1	0	0	0	0	0	0	0	0	1
KIF21A	0	1	0	0	0	0	0	0	0	0	1
ANKRD10	0	1	0	0	0	0	0	0	0	0	1
AMBRA1	0	1	0	0	0	0	0	0	0	0	1
PRKAB2	0	1	0	0	0	0	0	0	0	0	1
NOLA2	0	1	0	0	0	0	0	0	0	0	1
NOLA2	0	1	0	0	0	0	0	0	0	0	1
FLJ20489	0	1	0	0	0	0	0	0	0	0	1
ZNF416	0	1	0	0	0	0	0	0	0	0	1
MFN1	0	1	0	0	0	0	0	0	0	0	1
IWS1	0	1	0	0	0	0	0	0	0	0	1
JMJD2D	0	1	0	0	0	0	0	0	0	0	1
RADIL	0	1	0	0	0	0	0	0	0	0	1
FLJ10357	0	1	0	0	0	0	0	0	0	0	1
POLR3B	0	1	0	0	0	0	0	0	0	0	1
UGCGL2	0	1	0	0	0	0	0	0	0	0	1
CXorf15	0	1	0	0	0	0	0	0	0	0	1
PRKCB1	0	1	0	0	0	0	0	0	0	0	1
PRKCB1	0	1	0	0	0	0	0	0	0	0	1
CENTA2	0	1	0	0	0	0	0	0	0	0	1
UBAP2	0	1	0	0	0	0	0	0	0	0	1
CISD1	0	1	0	0	0	0	0	0	0	0	1

TMEM126B	0	1	0	0	0	0	0	0	0	0	1
PBK	0	1	0	0	0	0	0	0	0	0	1
ZNF167	0	1	0	0	0	0	0	0	0	0	1
ZNF395	0	1	0	0	0	0	0	0	0	0	1
MYO5C	0	1	0	0	0	0	0	0	0	0	1
MAPK4	0	1	0	0	0	0	0	0	0	0	1
GNG12	0	1	0	0	0	0	0	0	0	0	1
KLHL7	0	1	0	0	0	0	0	0	0	0	1
C19orf61	0	1	0	0	0	0	0	0	0	0	1
MAPK9	0	1	0	0	0	0	0	0	0	0	1
MAPK10	0	1	0	0	0	0	0	0	0	0	1
KLHL4	0	1	0	0	0	0	0	0	0	0	1
MAP2K6	0	1	0	0	0	0	0	0	0	0	1
PCDHB4	0	1	0	0	0	0	0	0	0	0	1
PRODH	0	1	0	0	0	0	0	0	0	0	1
SERTAD4	0	1	0	0	0	0	0	0	0	0	1
ANKRD7	0	1	0	0	0	0	0	0	0	0	1
MASP1	0	1	0	0	0	0	0	0	0	0	1
ERO1LB	0	1	0	0	0	0	0	0	0	0	1
PSEN1	0	1	0	0	0	0	0	0	0	0	1
CLDND1	0	1	0	0	0	0	0	0	0	0	1
C11orf16	0	1	0	0	0	0	0	0	0	0	1
NRIP3	0	1	0	0	0	0	0	0	0	0	1
SAR1A	0	1	0	0	0	0	0	0	0	0	1
B2M	0	1	0	0	0	0	0	0	0	0	1
PSKH1	0	1	0	0	0	0	0	0	0	0	1
FSTL5	0	1	0	0	0	0	0	0	0	0	1
DPYSL5	0	1	0	0	0	0	0	0	0	0	1
C1GALT1	0	1	0	0	0	0	0	0	0	0	1
DKFZp547H025	0	1	0	0	0	0	0	0	0	0	1
SEMA3G	0	1	0	0	0	0	0	0	0	0	1
CA10	0	1	0	0	0	0	0	0	0	0	1
ENY2	0	1	0	0	0	0	0	0	0	0	1
SMYD2	0	1	0	0	0	0	0	0	0	0	1
LHX9	0	1	0	0	0	0	0	0	0	0	1
STOX2	0	1	0	0	0	0	0	0	0	0	1
PRDM8	0	1	0	0	0	0	0	0	0	0	1
C1orf63	0	1	0	0	0	0	0	0	0	0	1
PLSCR2	0	1	0	0	0	0	0	0	0	0	1
SLC17A6	0	1	0	0	0	0	0	0	0	0	1

AGTRAP	0	1	0	0	0	0	0	0	0	0	1
AGTRAP	0	1	0	0	0	0	0	0	0	0	1
AGTRAP	0	1	0	0	0	0	0	0	0	0	1
C12orf4	0	1	0	0	0	0	0	0	0	0	1
PDSS2	0	1	0	0	0	0	0	0	0	0	1
PSMD5	0	1	0	0	0	0	0	0	0	0	1
SPINLW1	0	1	0	0	0	0	0	0	0	0	1
CHMP1B	0	1	0	0	0	0	0	0	0	0	1
PSMD8	0	1	0	0	0	0	0	0	0	0	1
TMEM63C	0	1	0	0	0	0	0	0	0	0	1
PSMD10	0	1	0	0	0	0	0	0	0	0	1
PSMD10	0	1	0	0	0	0	0	0	0	0	1
ACTR3B	0	1	0	0	0	0	0	0	0	0	1
KIAA1147	0	1	0	0	0	0	0	0	0	0	1
ATP10D	0	1	0	0	0	0	0	0	0	0	1
PTAFR	0	1	0	0	0	0	0	0	0	0	1
ZNF287	0	1	0	0	0	0	0	0	0	0	1
PTGER4	0	1	0	0	0	0	0	0	0	0	1
PTGFRN	0	1	0	0	0	0	0	0	0	0	1
PTHLH	0	1	0	0	0	0	0	0	0	0	1
ZNF512B	0	1	0	0	0	0	0	0	0	0	1
RP13-347D8.3	0	1	0	0	0	0	0	0	0	0	1
AHRR	0	1	0	0	0	0	0	0	0	0	1
LRFN2	0	1	0	0	0	0	0	0	0	0	1
ZNF608	0	1	0	0	0	0	0	0	0	0	1
INTS2	0	1	0	0	0	0	0	0	0	0	1
KIAA1303	0	1	0	0	0	0	0	0	0	0	1
WDR35	0	1	0	0	0	0	0	0	0	0	1
MICAL3	0	1	0	0	0	0	0	0	0	0	1
NLGN2	0	1	0	0	0	0	0	0	0	0	1
MKL1	0	1	0	0	0	0	0	0	0	0	1
SH3RF1	0	1	0	0	0	0	0	0	0	0	1
EP400	0	1	0	0	0	0	0	0	0	0	1
ZSWIM5	0	1	0	0	0	0	0	0	0	0	1
MYH7B	0	1	0	0	0	0	0	0	0	0	1
USP28	0	1	0	0	0	0	0	0	0	0	1
KIAA1530	0	1	0	0	0	0	0	0	0	0	1
EPB41L5	0	1	0	0	0	0	0	0	0	0	1
RNF213	0	1	0	0	0	0	0	0	0	0	1
ZDBF2	0	1	0	0	0	0	0	0	0	0	1
KIAA1598	0	1	0	0	0	0	0	0	0	0	1

KIAA1598	0	1	0	0	0	0	0	0	0	0	1
GBA2	0	1	0	0	0	0	0	0	0	0	1
ZNF529	0	1	0	0	0	0	0	0	0	0	1
KIAA1627	0	1	0	0	0	0	0	0	0	0	1
GBA3	0	1	0	0	0	0	0	0	0	0	1
FAM5B	0	1	0	0	0	0	0	0	0	0	1
KIAA1967	0	1	0	0	0	0	0	0	0	0	1
CADM3	0	1	0	0	0	0	0	0	0	0	1
SLC46A2	0	1	0	0	0	0	0	0	0	0	1
PTPRJ	0	1	0	0	0	0	0	0	0	0	1
PTPRO	0	1	0	0	0	0	0	0	0	0	1
PTPRO	0	1	0	0	0	0	0	0	0	0	1
PTX3	0	1	0	0	0	0	0	0	0	0	1
RAD1	0	1	0	0	0	0	0	0	0	0	1
PEX5	0	1	0	0	0	0	0	0	0	0	1
PYGB	0	1	0	0	0	0	0	0	0	0	1
ZNF71	0	1	0	0	0	0	0	0	0	0	1
C9orf80	0	1	0	0	0	0	0	0	0	0	1
ZNF250	0	1	0	0	0	0	0	0	0	0	1
SNX6	0	1	0	0	0	0	0	0	0	0	1
RAC1	0	1	0	0	0	0	0	0	0	0	1
RALGDS	0	1	0	0	0	0	0	0	0	0	1
ACE2	0	1	0	0	0	0	0	0	0	0	1
RBBP5	0	1	0	0	0	0	0	0	0	0	1
TMEM35	0	1	0	0	0	0	0	0	0	0	1
RCN2	0	1	0	0	0	0	0	0	0	0	1
TRIM27	0	1	0	0	0	0	0	0	0	0	1
RFX3	0	1	0	0	0	0	0	0	0	0	1
RLBP1	0	1	0	0	0	0	0	0	0	0	1
EDA2R	0	1	0	0	0	0	0	0	0	0	1
RNF4	0	1	0	0	0	0	0	0	0	0	1
ELOVL5	0	1	0	0	0	0	0	0	0	0	1
MAK10	0	1	0	0	0	0	0	0	0	0	1
RIC8A	0	1	0	0	0	0	0	0	0	0	1
PAPPA2	0	1	0	0	0	0	0	0	0	0	1
C4orf41	0	1	0	0	0	0	0	0	0	0	1
C4orf41	0	1	0	0	0	0	0	0	0	0	1
RP9	0	1	0	0	0	0	0	0	0	0	1
RPGR	0	1	0	0	0	0	0	0	0	0	1
RPS23	0	1	0	0	0	0	0	0	0	0	1
RXRA	0	1	0	0	0	0	0	0	0	0	1

SLC22A23	0	1	0	0	0	0	0	0	0	0	1
SCN1A	0	1	0	0	0	0	0	0	0	0	1
SCN3A	0	1	0	0	0	0	0	0	0	0	1
BID	0	1	0	0	0	0	0	0	0	0	1
CX3CL1	0	1	0	0	0	0	0	0	0	0	1
SRR	0	1	0	0	0	0	0	0	0	0	1
UBE2O	0	1	0	0	0	0	0	0	0	0	1
NEUROG2	0	1	0	0	0	0	0	0	0	0	1
TRAPPC2	0	1	0	0	0	0	0	0	0	0	1
GOLPH3	0	1	0	0	0	0	0	0	0	0	1
CLSTN2	0	1	0	0	0	0	0	0	0	0	1
MCCC2	0	1	0	0	0	0	0	0	0	0	1
PJA1	0	1	0	0	0	0	0	0	0	0	1
PJA1	0	1	0	0	0	0	0	0	0	0	1
TOR3A	0	1	0	0	0	0	0	0	0	0	1
NOC3L	0	1	0	0	0	0	0	0	0	0	1
KIAA0754	0	1	0	0	0	0	0	0	0	0	1
AZI2	0	1	0	0	0	0	0	0	0	0	1
HIF3A	0	1	0	0	0	0	0	0	0	0	1
IKZF4	0	1	0	0	0	0	0	0	0	0	1
SFTPB	0	1	0	0	0	0	0	0	0	0	1
ACTR6	0	1	0	0	0	0	0	0	0	0	1
SGSH	0	1	0	0	0	0	0	0	0	0	1
PABPC1L2B	0	1	0	0	0	0	0	0	0	0	1
EBF2	0	1	0	0	0	0	0	0	0	0	1
GORASP1	0	1	0	0	0	0	0	0	0	0	1
UNQ338	0	1	0	0	0	0	0	0	0	0	1
SHMT1	0	1	0	0	0	0	0	0	0	0	1
SHOX2	0	1	0	0	0	0	0	0	0	0	1
MOSC1	0	1	0	0	0	0	0	0	0	0	1
FAM59A	0	1	0	0	0	0	0	0	0	0	1
ISG20L1	0	1	0	0	0	0	0	0	0	0	1
PLEKHG2	0	1	0	0	0	0	0	0	0	0	1
CDCP1	0	1	0	0	0	0	0	0	0	0	1
BMP1	0	1	0	0	0	0	0	0	0	0	1
MRPS6	0	1	0	0	0	0	0	0	0	0	1
MRPL38	0	1	0	0	0	0	0	0	0	0	1
SKIL	0	1	0	0	0	0	0	0	0	0	1
PP8961	0	1	0	0	0	0	0	0	0	0	1
SLC1A3	0	1	0	0	0	0	0	0	0	0	1
SLC1A4	0	1	0	0	0	0	0	0	0	0	1

INTS3	0	1	0	0	0	0	0	0	0	0	1
SLC5A1	0	1	0	0	0	0	0	0	0	0	1
SPATS2	0	1	0	0	0	0	0	0	0	0	1
SMTN	0	1	0	0	0	0	0	0	0	0	1
UBE2Z	0	1	0	0	0	0	0	0	0	0	1
SLC6A12	0	1	0	0	0	0	0	0	0	0	1
SLC8A3	0	1	0	0	0	0	0	0	0	0	1
SLC9A1	0	1	0	0	0	0	0	0	0	0	1
BMP7	0	1	0	0	0	0	0	0	0	0	1
SLC12A2	0	1	0	0	0	0	0	0	0	0	1
SLC20A1	0	1	0	0	0	0	0	0	0	0	1
SLC22A5	0	1	0	0	0	0	0	0	0	0	1
SMARCA2	0	1	0	0	0	0	0	0	0	0	1
ZBTB10	0	1	0	0	0	0	0	0	0	0	1
ZNF747	0	1	0	0	0	0	0	0	0	0	1
BNIP2	0	1	0	0	0	0	0	0	0	0	1
SNRPE	0	1	0	0	0	0	0	0	0	0	1
SON	0	1	0	0	0	0	0	0	0	0	1
SORL1	0	1	0	0	0	0	0	0	0	0	1
SPP2	0	1	0	0	0	0	0	0	0	0	1
SPRR1B	0	1	0	0	0	0	0	0	0	0	1
SPTA1	0	1	0	0	0	0	0	0	0	0	1
SRPK1	0	1	0	0	0	0	0	0	0	0	1
SRPR	0	1	0	0	0	0	0	0	0	0	1
TROVE2	0	1	0	0	0	0	0	0	0	0	1
TROVE2	0	1	0	0	0	0	0	0	0	0	1
SSFA2	0	1	0	0	0	0	0	0	0	0	1
SSFA2	0	1	0	0	0	0	0	0	0	0	1
BRDT	0	1	0	0	0	0	0	0	0	0	1
NEK4	0	1	0	0	0	0	0	0	0	0	1
STX3	0	1	0	0	0	0	0	0	0	0	1
SUV39H1	0	1	0	0	0	0	0	0	0	0	1
SYK	0	1	0	0	0	0	0	0	0	0	1
T	0	1	0	0	0	0	0	0	0	0	1
TACR1	0	1	0	0	0	0	0	0	0	0	1
TADA2L	0	1	0	0	0	0	0	0	0	0	1
TAL2	0	1	0	0	0	0	0	0	0	0	1
SERPINA7	0	1	0	0	0	0	0	0	0	0	1
TBP	0	1	0	0	0	0	0	0	0	0	1
TBX5	0	1	0	0	0	0	0	0	0	0	1
TBX3	0	1	0	0	0	0	0	0	0	0	1

ZEB1	0	1	0	0	0	0	0	0	0	0	1
TCF19	0	1	0	0	0	0	0	0	0	0	1
TCTA	0	1	0	0	0	0	0	0	0	0	1
TFAP2B	0	1	0	0	0	0	0	0	0	0	1
NR2F2	0	1	0	0	0	0	0	0	0	0	1
TGM2	0	1	0	0	0	0	0	0	0	0	1
THBD	0	1	0	0	0	0	0	0	0	0	1
TCHH	0	1	0	0	0	0	0	0	0	0	1
THRSP	0	1	0	0	0	0	0	0	0	0	1
TIAM1	0	1	0	0	0	0	0	0	0	0	1
TIMP4	0	1	0	0	0	0	0	0	0	0	1
TK2	0	1	0	0	0	0	0	0	0	0	1
TLE3	0	1	0	0	0	0	0	0	0	0	1
TLE4	0	1	0	0	0	0	0	0	0	0	1
NR2E1	0	1	0	0	0	0	0	0	0	0	1
TP53BP2	0	1	0	0	0	0	0	0	0	0	1
TP73	0	1	0	0	0	0	0	0	0	0	1
TP73	0	1	0	0	0	0	0	0	0	0	1
TP73	0	1	0	0	0	0	0	0	0	0	1
TPP2	0	1	0	0	0	0	0	0	0	0	1
hCG_1645220	0	1	0	0	0	0	0	0	0	0	1
UBE2D3	0	1	0	0	0	0	0	0	0	0	1
UBE2D3	0	1	0	0	0	0	0	0	0	0	1
OSGIN2	0	1	0	0	0	0	0	0	0	0	1
UCP3	0	1	0	0	0	0	0	0	0	0	1
USP1	0	1	0	0	0	0	0	0	0	0	1
UTX	0	1	0	0	0	0	0	0	0	0	1
VCL	0	1	0	0	0	0	0	0	0	0	1
VIPR1	0	1	0	0	0	0	0	0	0	0	1
MPPED2	0	1	0	0	0	0	0	0	0	0	1
WNT7B	0	1	0	0	0	0	0	0	0	0	1
WNT2B	0	1	0	0	0	0	0	0	0	0	1
WRB	0	1	0	0	0	0	0	0	0	0	1
YWHAE	0	1	0	0	0	0	0	0	0	0	1
CNBP	0	1	0	0	0	0	0	0	0	0	1
ZNF10	0	1	0	0	0	0	0	0	0	0	1
ZNF708	0	1	0	0	0	0	0	0	0	0	1
ZNF19	0	1	0	0	0	0	0	0	0	0	1
ZNF26	0	1	0	0	0	0	0	0	0	0	1
ZNF43	0	1	0	0	0	0	0	0	0	0	1
ZNF76	0	1	0	0	0	0	0	0	0	0	1

ZNF80	0	1	0	0	0	0	0	0	0	0	1
ZNF91	0	1	0	0	0	0	0	0	0	0	1
CA9	0	1	0	0	0	0	0	0	0	0	1
ZNF138	0	1	0	0	0	0	0	0	0	0	1
ZNF141	0	1	0	0	0	0	0	0	0	0	1
CA12	0	1	0	0	0	0	0	0	0	0	1
ZNF184	0	1	0	0	0	0	0	0	0	0	1
CACNA1B	0	1	0	0	0	0	0	0	0	0	1
ZNF223	0	1	0	0	0	0	0	0	0	0	1
ZNF226	0	1	0	0	0	0	0	0	0	0	1
CSDE1	0	1	0	0	0	0	0	0	0	0	1
RNF103	0	1	0	0	0	0	0	0	0	0	1
MAPKAPK3	0	1	0	0	0	0	0	0	0	0	1
KCNAB1	0	1	0	0	0	0	0	0	0	0	1
DUSP26	0	1	0	0	0	0	0	0	0	0	1
PRRG3	0	1	0	0	0	0	0	0	0	0	1
MAPKAP1	0	1	0	0	0	0	0	0	0	0	1
IRX1	0	1	0	0	0	0	0	0	0	0	1
BAT5	0	1	0	0	0	0	0	0	0	0	1
C16orf53	0	1	0	0	0	0	0	0	0	0	1
SPAG16	0	1	0	0	0	0	0	0	0	0	1
C10orf76	0	1	0	0	0	0	0	0	0	0	1
C6orf211	0	1	0	0	0	0	0	0	0	0	1
SCRN3	0	1	0	0	0	0	0	0	0	0	1
ARHGAP10	0	1	0	0	0	0	0	0	0	0	1
DHX40	0	1	0	0	0	0	0	0	0	0	1
FN3KRP	0	1	0	0	0	0	0	0	0	0	1
GAL3ST4	0	1	0	0	0	0	0	0	0	0	1
QTRTD1	0	1	0	0	0	0	0	0	0	0	1
ZMAT4	0	1	0	0	0	0	0	0	0	0	1
CALCB	0	1	0	0	0	0	0	0	0	0	1
GTDC1	0	1	0	0	0	0	0	0	0	0	1
NPEPL1	0	1	0	0	0	0	0	0	0	0	1
CXorf36	0	1	0	0	0	0	0	0	0	0	1
ZNF665	0	1	0	0	0	0	0	0	0	0	1
C12orf49	0	1	0	0	0	0	0	0	0	0	1
ST7	0	1	0	0	0	0	0	0	0	0	1
LONRF3	0	1	0	0	0	0	0	0	0	0	1
SNX22	0	1	0	0	0	0	0	0	0	0	1
BTNL8	0	1	0	0	0	0	0	0	0	0	1
MRM1	0	1	0	0	0	0	0	0	0	0	1

SPEF2	0	1	0	0	0	0	0	0	0	0	1
GRRP1	0	1	0	0	0	0	0	0	0	0	1
MAP6D1	0	1	0	0	0	0	0	0	0	0	1
PHF17	0	1	0	0	0	0	0	0	0	0	1
GRHL2	0	1	0	0	0	0	0	0	0	0	1
DSN1	0	1	0	0	0	0	0	0	0	0	1
RBM35B	0	1	0	0	0	0	0	0	0	0	1
GLRA3	0	1	0	0	0	0	0	0	0	0	1
RMI1	0	1	0	0	0	0	0	0	0	0	1
LRRTM4	0	1	0	0	0	0	0	0	0	0	1
CCDC15	0	1	0	0	0	0	0	0	0	0	1
FRAS1	0	1	0	0	0	0	0	0	0	0	1
C8orf41	0	1	0	0	0	0	0	0	0	0	1
ARMC9	0	1	0	0	0	0	0	0	0	0	1
ORAI2	0	1	0	0	0	0	0	0	0	0	1
CXorf21	0	1	0	0	0	0	0	0	0	0	1
EFHC2	0	1	0	0	0	0	0	0	0	0	1
ZNF430	0	1	0	0	0	0	0	0	0	0	1
EDEM3	0	1	0	0	0	0	0	0	0	0	1
GRPEL1	0	1	0	0	0	0	0	0	0	0	1
CCDC68	0	1	0	0	0	0	0	0	0	0	1
DNAJC5	0	1	0	0	0	0	0	0	0	0	1
CALM2	0	1	0	0	0	0	0	0	0	0	1
SLC19A3	0	1	0	0	0	0	0	0	0	0	1
TSGA10	0	1	0	0	0	0	0	0	0	0	1
THUMPD2	0	1	0	0	0	0	0	0	0	0	1
EEPD1	0	1	0	0	0	0	0	0	0	0	1
MLL2	0	1	0	0	0	0	0	0	0	0	1
CDK2AP1	0	1	0	0	0	0	0	0	0	0	1
C16orf35	0	1	0	0	0	0	0	0	0	0	1
URM1	0	1	0	0	0	0	0	0	0	0	1
PVRL4	0	1	0	0	0	0	0	0	0	0	1
ITM2C	0	1	0	0	0	0	0	0	0	0	1
MAP1LC3B	0	1	0	0	0	0	0	0	0	0	1
TMEM49	0	1	0	0	0	0	0	0	0	0	1
LOC81691	0	1	0	0	0	0	0	0	0	0	1
PPP1R14C	0	1	0	0	0	0	0	0	0	0	1
NUAK2	0	1	0	0	0	0	0	0	0	0	1
TIGD6	0	1	0	0	0	0	0	0	0	0	1
RNF170	0	1	0	0	0	0	0	0	0	0	1
OR12D3	0	1	0	0	0	0	0	0	0	0	1

NETO1	0	1	0	0	0	0	0	0	0	0	1
SPACA1	0	1	0	0	0	0	0	0	0	0	1
RAB1B	0	1	0	0	0	0	0	0	0	0	1
BAP1	0	1	0	0	0	0	0	0	0	0	1
CDC45L	0	1	0	0	0	0	0	0	0	0	1
FCRL4	0	1	0	0	0	0	0	0	0	0	1
GLT8D2	0	1	0	0	0	0	0	0	0	0	1
PLVAP	0	1	0	0	0	0	0	0	0	0	1
RTBDN	0	1	0	0	0	0	0	0	0	0	1
COG3	0	1	0	0	0	0	0	0	0	0	1
UCK1	0	1	0	0	0	0	0	0	0	0	1
AKR1CL2	0	1	0	0	0	0	0	0	0	0	1
C22orf13	0	1	0	0	0	0	0	0	0	0	1
C18orf21	0	1	0	0	0	0	0	0	0	0	1
NRIP2	0	1	0	0	0	0	0	0	0	0	1
FAM57B	0	1	0	0	0	0	0	0	0	0	1
INHBE	0	1	0	0	0	0	0	0	0	0	1
FAM62C	0	1	0	0	0	0	0	0	0	0	1
EIF2A	0	1	0	0	0	0	0	0	0	0	1
C5orf21	0	1	0	0	0	0	0	0	0	0	1
CASP7	0	1	0	0	0	0	0	0	0	0	1
CASP7	0	1	0	0	0	0	0	0	0	0	1
ZRANB3	0	1	0	0	0	0	0	0	0	0	1
FBXO30	0	1	0	0	0	0	0	0	0	0	1
SLC41A2	0	1	0	0	0	0	0	0	0	0	1
PCBD2	0	1	0	0	0	0	0	0	0	0	1
ANTXR1	0	1	0	0	0	0	0	0	0	0	1
CHD6	0	1	0	0	0	0	0	0	0	0	1
FAM96A	0	1	0	0	0	0	0	0	0	0	1
FAM96A	0	1	0	0	0	0	0	0	0	0	1
LRRC8C	0	1	0	0	0	0	0	0	0	0	1
BBOX1	0	1	0	0	0	0	0	0	0	0	1
FYTTD1	0	1	0	0	0	0	0	0	0	0	1
SGIP1	0	1	0	0	0	0	0	0	0	0	1
PSMG3	0	1	0	0	0	0	0	0	0	0	1
NICN1	0	1	0	0	0	0	0	0	0	0	1
WBSCR18	0	1	0	0	0	0	0	0	0	0	1
PHF6	0	1	0	0	0	0	0	0	0	0	1
NUDT16L1	0	1	0	0	0	0	0	0	0	0	1
TMEM107	0	1	0	0	0	0	0	0	0	0	1
MON1A	0	1	0	0	0	0	0	0	0	0	1

C3orf26	0	1	0	0	0	0	0	0	0	0	1
SDPR	0	1	0	0	0	0	0	0	0	0	1
DOC2A	0	1	0	0	0	0	0	0	0	0	1
CASQ2	0	1	0	0	0	0	0	0	0	0	1
SPIRE2	0	1	0	0	0	0	0	0	0	0	1
MRPL43	0	1	0	0	0	0	0	0	0	0	1
ZNF469	0	1	0	0	0	0	0	0	0	0	1
SUPT3H	0	1	0	0	0	0	0	0	0	0	1
DPY30	0	1	0	0	0	0	0	0	0	0	1
MYPN	0	1	0	0	0	0	0	0	0	0	1
TRIM55	0	1	0	0	0	0	0	0	0	0	1
TRIM55	0	1	0	0	0	0	0	0	0	0	1
FBXL10	0	1	0	0	0	0	0	0	0	0	1
FBXL10	0	1	0	0	0	0	0	0	0	0	1
FKBP6	0	1	0	0	0	0	0	0	0	0	1
NYD-SP21	0	1	0	0	0	0	0	0	0	0	1
UNC119B	0	1	0	0	0	0	0	0	0	0	1
FUT10	0	1	0	0	0	0	0	0	0	0	1
MGC4655	0	1	0	0	0	0	0	0	0	0	1
ZNF577	0	1	0	0	0	0	0	0	0	0	1
EFCAB4B	0	1	0	0	0	0	0	0	0	0	1
ZNF607	0	1	0	0	0	0	0	0	0	0	1
AGPAT9	0	1	0	0	0	0	0	0	0	0	1
CBR4	0	1	0	0	0	0	0	0	0	0	1
ZSCAN10	0	1	0	0	0	0	0	0	0	0	1
MAP4K3	0	1	0	0	0	0	0	0	0	0	1
FIZ1	0	1	0	0	0	0	0	0	0	0	1
FAM104A	0	1	0	0	0	0	0	0	0	0	1
SPRYD3	0	1	0	0	0	0	0	0	0	0	1
TNS4	0	1	0	0	0	0	0	0	0	0	1
CGNL1	0	1	0	0	0	0	0	0	0	0	1
RELT	0	1	0	0	0	0	0	0	0	0	1
FBXL20	0	1	0	0	0	0	0	0	0	0	1
C17orf91	0	1	0	0	0	0	0	0	0	0	1
C12orf62	0	1	0	0	0	0	0	0	0	0	1
RBM17	0	1	0	0	0	0	0	0	0	0	1
PKP4	0	1	0	0	0	0	0	0	0	0	1
MST150	0	1	0	0	0	0	0	0	0	0	1
DGKD	0	1	0	0	0	0	0	0	0	0	1
KRTAP2-4	0	1	0	0	0	0	0	0	0	0	1
LGALS12	0	1	0	0	0	0	0	0	0	0	1

BCAS1	0	1	0	0	0	0	0	0	0	0	1
C6orf114	0	1	0	0	0	0	0	0	0	0	1
LMO4	0	1	0	0	0	0	0	0	0	0	1
LRRCC1	0	1	0	0	0	0	0	0	0	0	1
KIAA1754	0	1	0	0	0	0	0	0	0	0	1
TSPYL5	0	1	0	0	0	0	0	0	0	0	1
KIAA1737	0	1	0	0	0	0	0	0	0	0	1
MKNK1	0	1	0	0	0	0	0	0	0	0	1
STK16	0	1	0	0	0	0	0	0	0	0	1
RUNX2	0	1	0	0	0	0	0	0	0	0	1
PPAP2A	0	1	0	0	0	0	0	0	0	0	1
NCOA1	0	1	0	0	0	0	0	0	0	0	1
NCOA1	0	1	0	0	0	0	0	0	0	0	1
EIF3D	0	1	0	0	0	0	0	0	0	0	1
VAMP4	0	1	0	0	0	0	0	0	0	0	1
JRKL	0	1	0	0	0	0	0	0	0	0	1
B4GALT2	0	1	0	0	0	0	0	0	0	0	1
TNFRSF25	0	1	0	0	0	0	0	0	0	0	1
CTSF	0	1	0	0	0	0	0	0	0	0	1
CBR1	0	1	0	0	0	0	0	0	0	0	1
MYOM1	0	1	0	0	0	0	0	0	0	0	1
PEX11A	0	1	0	0	0	0	0	0	0	0	1
ALDH1A2	0	1	0	0	0	0	0	0	0	0	1
CDC16	0	1	0	0	0	0	0	0	0	0	1
DDX18	0	1	0	0	0	0	0	0	0	0	1
EIF2B2	0	1	0	0	0	0	0	0	0	0	1
FUBP3	0	1	0	0	0	0	0	0	0	0	1
SERPINB11	0	1	0	0	0	0	0	0	0	0	1
CCNE1	0	1	0	0	0	0	0	0	0	0	1
FGD3	0	1	0	0	0	0	0	0	0	0	1
ATP6V0E1	0	1	0	0	0	0	0	0	0	0	1
C14orf143	0	1	0	0	0	0	0	0	0	0	1
WFDC8	0	1	0	0	0	0	0	0	0	0	1
SNX21	0	1	0	0	0	0	0	0	0	0	1
ZNF551	0	1	0	0	0	0	0	0	0	0	1
HIP1R	0	1	0	0	0	0	0	0	0	0	1
BAZ1B	0	1	0	0	0	0	0	0	0	0	1
FAM110B	0	1	0	0	0	0	0	0	0	0	1
MCFD2	0	1	0	0	0	0	0	0	0	0	1
ZNF605	0	1	0	0	0	0	0	0	0	0	1
CCNT2	0	1	0	0	0	0	0	0	0	0	1

CCNT2	0	1	0	0	0	0	0	0	0	0	1
PRC1	0	1	0	0	0	0	0	0	0	0	1
ZFAND2A	0	1	0	0	0	0	0	0	0	0	1
USP2	0	1	0	0	0	0	0	0	0	0	1
FMNL3	0	1	0	0	0	0	0	0	0	0	1
TRIM47	0	1	0	0	0	0	0	0	0	0	1
ZNF682	0	1	0	0	0	0	0	0	0	0	1
TIGD7	0	1	0	0	0	0	0	0	0	0	1
SEC22C	0	1	0	0	0	0	0	0	0	0	1
KRT75	0	1	0	0	0	0	0	0	0	0	1
CD1D	0	1	0	0	0	0	0	0	0	0	1
SLC16A6	0	1	0	0	0	0	0	0	0	0	1
SLC39A13	0	1	0	0	0	0	0	0	0	0	1
CTDP1	0	1	0	0	0	0	0	0	0	0	1
CTDP1	0	1	0	0	0	0	0	0	0	0	1
NEXN	0	1	0	0	0	0	0	0	0	0	1
COX7A2L	0	1	0	0	0	0	0	0	0	0	1
ALKBH8	0	1	0	0	0	0	0	0	0	0	1
CD247	0	1	0	0	0	0	0	0	0	0	1
SLC33A1	0	1	0	0	0	0	0	0	0	0	1
MYOZ3	0	1	0	0	0	0	0	0	0	0	1
ZMYM4	0	1	0	0	0	0	0	0	0	0	1
LRRFIP2	0	1	0	0	0	0	0	0	0	0	1
OXNAD1	0	1	0	0	0	0	0	0	0	0	1
LGI1	0	1	0	0	0	0	0	0	0	0	1
FAIM3	0	1	0	0	0	0	0	0	0	0	1
MTDH	0	1	0	0	0	0	0	0	0	0	1
VAPA	0	1	0	0	0	0	0	0	0	0	1
CD5L	0	1	0	0	0	0	0	0	0	0	1
RCSD1	0	1	0	0	0	0	0	0	0	0	1
CD6	0	1	0	0	0	0	0	0	0	0	1
NAF1	0	1	0	0	0	0	0	0	0	0	1
CHMP4C	0	1	0	0	0	0	0	0	0	0	1
TIMM50	0	1	0	0	0	0	0	0	0	0	1
DTD1	0	1	0	0	0	0	0	0	0	0	1
ITGB1BP1	0	1	0	0	0	0	0	0	0	0	1
PIWIL1	0	1	0	0	0	0	0	0	0	0	1
DNER	0	1	0	0	0	0	0	0	0	0	1
GPR52	0	1	0	0	0	0	0	0	0	0	1
NT5C1B	0	1	0	0	0	0	0	0	0	0	1
MS4A3	0	1	0	0	0	0	0	0	0	0	1

CNOT8	0	1	0	0	0	0	0	0	0	0	1
EFTUD2	0	1	0	0	0	0	0	0	0	0	1
SLIT2	0	1	0	0	0	0	0	0	0	0	1
SLC22A14	0	1	0	0	0	0	0	0	0	0	1
IGSF2	0	1	0	0	0	0	0	0	0	0	1
TTYH2	0	1	0	0	0	0	0	0	0	0	1
ORMDL1	0	1	0	0	0	0	0	0	0	0	1
ORMDL3	0	1	0	0	0	0	0	0	0	0	1
TJP2	0	1	0	0	0	0	0	0	0	0	1
KCNK6	0	1	0	0	0	0	0	0	0	0	1
TNFRSF8	0	1	0	0	0	0	0	0	0	0	1
IL27RA	0	1	0	0	0	0	0	0	0	0	1
CHST3	0	1	0	0	0	0	0	0	0	0	1
ADAMTS3	0	1	0	0	0	0	0	0	0	0	1
SPTLC2	0	1	0	0	0	0	0	0	0	0	1
ZNF254	0	1	0	0	0	0	0	0	0	0	1
VPS26A	0	1	0	0	0	0	0	0	0	0	1
GTPBP1	0	1	0	0	0	0	0	0	0	0	1
GABBR2	0	1	0	0	0	0	0	0	0	0	1
BRE	0	1	0	0	0	0	0	0	0	0	1
BRE	0	1	0	0	0	0	0	0	0	0	1
BRE	0	1	0	0	0	0	0	0	0	0	1
CDC42BPB	0	1	0	0	0	0	0	0	0	0	1
SOX13	0	1	0	0	0	0	0	0	0	0	1
RBM39	0	1	0	0	0	0	0	0	0	0	1
WTAP	0	1	0	0	0	0	0	0	0	0	1
IER2	0	1	0	0	0	0	0	0	0	0	1
CD44	0	1	0	0	0	0	0	0	0	0	1
NCOR1	0	1	0	0	0	0	0	0	0	0	1
MICAL2	0	1	0	0	0	0	0	0	0	0	1
KIAA0430	0	1	0	0	0	0	0	0	0	0	1
DZIP3	0	1	0	0	0	0	0	0	0	0	1
LRRC14	0	1	0	0	0	0	0	0	0	0	1
TTC35	0	1	0	0	0	0	0	0	0	0	1
RIMS2	0	1	0	0	0	0	0	0	0	0	1
VPRBP	0	1	0	0	0	0	0	0	0	0	1
TBC1D5	0	1	0	0	0	0	0	0	0	0	1
ARMCX2	0	1	0	0	0	0	0	0	0	0	1
ARHGAP11A	0	1	0	0	0	0	0	0	0	0	1
TRIM14	0	1	0	0	0	0	0	0	0	0	1
EPM2AIP1	0	1	0	0	0	0	0	0	0	0	1

ZBTB39	0	1	0	0	0	0	0	0	0	0	1
RHOBTB1	0	1	0	0	0	0	0	0	0	0	1
UBAP2L	0	1	0	0	0	0	0	0	0	0	1
CDC6	0	1	0	0	0	0	0	0	0	0	1
SRGAP3	0	1	0	0	0	0	0	0	0	0	1
DENND4B	0	1	0	0	0	0	0	0	0	0	1
ARHGAP25	0	1	0	0	0	0	0	0	0	0	1
NUP153	0	1	0	0	0	0	0	0	0	0	1
CDC42	0	1	0	0	0	0	0	0	0	0	1
PPP4R1	0	1	0	0	0	0	0	0	0	0	1
CDH1	0	1	0	0	0	0	0	0	0	0	1
KIT	0	0	0	0	1	0	0	0	0	0	1
NAT5	0	0	0	0	1	0	0	0	0	0	1
NAT5	0	0	0	0	1	0	0	0	0	0	1
NAT5	0	0	0	0	1	0	0	0	0	0	1
PDE3A	0	0	0	0	1	0	0	0	0	0	1
SELS	0	0	0	0	1	0	0	0	0	0	1
YAP1	0	0	0	0	0	0	0	0	0	1	1
RBCK1	0	0	0	0	0	0	0	0	0	1	1
CHRM2	0	0	0	0	0	0	0	0	0	1	1
MRFAP1L1	0	0	0	0	0	0	0	0	0	1	1
FRMD6	0	0	0	0	0	0	0	0	0	1	1
HFE2	0	0	0	0	0	0	0	0	0	1	1
PRELID2	0	0	0	0	0	0	0	0	0	1	1
FNDC7	0	0	0	0	0	0	0	0	0	1	1
DLG2	0	0	0	0	0	0	0	0	0	1	1
TMEM16F	0	0	0	0	0	0	0	0	0	1	1
EML1	0	0	0	0	0	0	0	0	0	1	1
EXTL2	0	0	0	0	0	0	0	0	0	1	1
ACSL3	0	0	0	0	0	0	0	0	0	1	1
FGFR3	0	0	0	0	0	0	0	0	0	1	1
TRAK1	0	0	0	0	0	0	0	0	0	1	1
C1orf34	0	0	0	0	0	0	0	0	0	1	1
MAPKBP1	0	0	0	0	0	0	0	0	0	1	1
LRCH1	0	0	0	0	0	0	0	0	0	1	1
KANK2	0	0	0	0	0	0	0	0	0	1	1
GRK6	0	0	0	0	0	0	0	0	0	1	1
GTF2I	0	0	0	0	0	0	0	0	0	1	1
HNRPK	0	0	0	0	0	0	0	0	0	1	1
IMPA1	0	0	0	0	0	0	0	0	0	1	1
LMX1A	0	0	0	0	0	0	0	0	0	1	1

SMAD9	0	0	0	0	0	0	0	0	0	1	1
MRE11A	0	0	0	0	0	0	0	0	0	1	1
FZR1	0	0	0	0	0	0	0	0	0	1	1
NT5DC3	0	0	0	0	0	0	0	0	0	1	1
PIK3R1	0	0	0	0	0	0	0	0	0	1	1
VPS13C	0	0	0	0	0	0	0	0	0	1	1
PRR5	0	0	0	0	0	0	0	0	0	1	1
CCDC88A	0	0	0	0	0	0	0	0	0	1	1
BEX4	0	0	0	0	0	0	0	0	0	1	1
PRPS2	0	0	0	0	0	0	0	0	0	1	1
CDC42SE1	0	0	0	0	0	0	0	0	0	1	1
PAK6	0	0	0	0	0	0	0	0	0	1	1
ZNF286A	0	0	0	0	0	0	0	0	0	1	1
RFX4	0	0	0	0	0	0	0	0	0	1	1
AFAP1	0	0	0	0	0	0	0	0	0	1	1
RREB1	0	0	0	0	0	0	0	0	0	1	1
NFKBIZ	0	0	0	0	0	0	0	0	0	1	1
SGCD	0	0	0	0	0	0	0	0	0	1	1
DLK2	0	0	0	0	0	0	0	0	0	1	1
STAU1	0	0	0	0	0	0	0	0	0	1	1
UBTF	0	0	0	0	0	0	0	0	0	1	1
WIPF1	0	0	0	0	0	0	0	0	0	1	1
YWHAZ	0	0	0	0	0	0	0	0	0	1	1
LUZP1	0	0	0	0	0	0	0	0	0	1	1
SEMA3B	0	0	0	0	0	0	0	0	0	1	1
BRCC3	0	0	0	0	0	0	0	0	0	1	1
CALD1	0	0	0	0	0	0	0	0	0	1	1
APOLD1	0	0	0	0	0	0	0	0	0	1	1
CASP1	0	0	0	0	0	0	0	0	0	1	1
HVCN1	0	0	0	0	0	0	0	0	0	1	1
CUL4A	0	0	0	0	0	0	0	0	0	1	1
PPAP2B	0	0	0	0	0	0	0	0	0	1	1
RAB7L1	0	0	0	0	0	0	0	0	0	1	1
UBE3B	0	0	0	0	0	0	0	0	0	1	1
ZNF160	0	0	0	0	0	0	0	0	0	1	1
ATG12	0	0	0	0	0	0	0	0	0	1	1
ANUBL1	0	0	0	0	0	0	0	0	0	1	1
RG9MTD2	0	0	0	0	0	0	0	0	0	1	1
MAP4K4	0	0	0	0	0	0	0	0	0	1	1
VGLL4	0	0	0	0	0	0	0	0	0	1	1
HDAC9	0	0	0	0	0	0	0	0	0	1	1

PARP2	0	0	0	1	0	0	0	0	0	0	1
PARP2	0	0	0	1	0	0	0	0	0	0	1
PSMD14	0	0	0	1	0	0	0	0	0	0	1
MRVI1	0	0	0	1	0	0	0	0	0	0	1
MRVI1	0	0	0	1	0	0	0	0	0	0	1
TACC2	0	0	0	1	0	0	0	0	0	0	1
TACC2	0	0	0	1	0	0	0	0	0	0	1
TACC2	0	0	0	1	0	0	0	0	0	0	1
IL24	0	0	0	1	0	0	0	0	0	0	1
MID2	0	0	0	1	0	0	0	0	0	0	1
CHD3	0	0	0	1	0	0	0	0	0	0	1
CHD3	0	0	0	1	0	0	0	0	0	0	1
PIH1D2	0	0	0	1	0	0	0	0	0	0	1
KRT40	0	0	0	1	0	0	0	0	0	0	1
C18orf17	0	0	0	1	0	0	0	0	0	0	1
CNTN1	0	0	0	1	0	0	0	0	0	0	1
CNTN1	0	0	0	1	0	0	0	0	0	0	1
VCAN	0	0	0	1	0	0	0	0	0	0	1
CCDC50	0	0	0	1	0	0	0	0	0	0	1
RUNDC3B	0	0	0	1	0	0	0	0	0	0	1
RUNDC3B	0	0	0	1	0	0	0	0	0	0	1
DGKB	0	0	0	1	0	0	0	0	0	0	1
FAM71D	0	0	0	1	0	0	0	0	0	0	1
ZNF610	0	0	0	1	0	0	0	0	0	0	1
EPHA5	0	0	0	1	0	0	0	0	0	0	1
FASTKD2	0	0	0	1	0	0	0	0	0	0	1
ABCA5	0	0	0	1	0	0	0	0	0	0	1
CBX5	0	0	0	1	0	0	0	0	0	0	1
CBX5	0	0	0	1	0	0	0	0	0	0	1
NTSR2	0	0	0	1	0	0	0	0	0	0	1
GAB1	0	0	0	1	0	0	0	0	0	0	1
EGFL6	0	0	0	1	0	0	0	0	0	0	1
DPH3	0	0	0	1	0	0	0	0	0	0	1
GPR39	0	0	0	1	0	0	0	0	0	0	1
MRPL22	0	0	0	1	0	0	0	0	0	0	1
GRM8	0	0	0	1	0	0	0	0	0	0	1
CCDC36	0	0	0	1	0	0	0	0	0	0	1
INPP4A	0	0	0	1	0	0	0	0	0	0	1
INPP4A	0	0	0	1	0	0	0	0	0	0	1
FAM111B	0	0	0	1	0	0	0	0	0	0	1
KCNH1	0	0	0	1	0	0	0	0	0	0	1

C9orf102	0	0	0	1	0	0	0	0	0	0	1
LAMA3	0	0	0	1	0	0	0	0	0	0	1
LMNA	0	0	0	1	0	0	0	0	0	0	1
MATN2	0	0	0	1	0	0	0	0	0	0	1
MDM2	0	0	0	1	0	0	0	0	0	0	1
MDM2	0	0	0	1	0	0	0	0	0	0	1
ASPH	0	0	0	1	0	0	0	0	0	0	1
MYBPC1	0	0	0	1	0	0	0	0	0	0	1
NF2	0	0	0	1	0	0	0	0	0	0	1
OAZ1	0	0	0	1	0	0	0	0	0	0	1
PAX6	0	0	0	1	0	0	0	0	0	0	1
PCBP2	0	0	0	1	0	0	0	0	0	0	1
PCBP2	0	0	0	1	0	0	0	0	0	0	1
PCBP2	0	0	0	1	0	0	0	0	0	0	1
PCBP2	0	0	0	1	0	0	0	0	0	0	1
PCBP2	0	0	0	1	0	0	0	0	0	0	1
PCBP2	0	0	0	1	0	0	0	0	0	0	1
RNF12	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
SERPINA1	0	0	0	1	0	0	0	0	0	0	1
A2BP1	0	0	0	1	0	0	0	0	0	0	1
WDR79	0	0	0	1	0	0	0	0	0	0	1
LEPREL1	0	0	0	1	0	0	0	0	0	0	1
PPP6C	0	0	0	1	0	0	0	0	0	0	1
PPP6C	0	0	0	1	0	0	0	0	0	0	1
JMJD1A	0	0	0	1	0	0	0	0	0	0	1
MAPK9	0	0	0	1	0	0	0	0	0	0	1
MAPK9	0	0	0	1	0	0	0	0	0	0	1
CPA6	0	0	0	1	0	0	0	0	0	0	1
C13orf1	0	0	0	1	0	0	0	0	0	0	1
C8orf79	0	0	0	1	0	0	0	0	0	0	1
PTPRD	0	0	0	1	0	0	0	0	0	0	1
RBMS1	0	0	0	1	0	0	0	0	0	0	1
RBP1	0	0	0	1	0	0	0	0	0	0	1

BCL7A	0	0	0	1	0	0	0	0	0	0	1
RORA	0	0	0	1	0	0	0	0	0	0	1
RORA	0	0	0	1	0	0	0	0	0	0	1
ATXN7	0	0	0	1	0	0	0	0	0	0	1
SCP2	0	0	0	1	0	0	0	0	0	0	1
SCP2	0	0	0	1	0	0	0	0	0	0	1
ERAP2	0	0	0	1	0	0	0	0	0	0	1
WIPF3	0	0	0	1	0	0	0	0	0	0	1
CRTC3	0	0	0	1	0	0	0	0	0	0	1
SLC12A3	0	0	0	1	0	0	0	0	0	0	1
SLC12A3	0	0	0	1	0	0	0	0	0	0	1
TMEM108	0	0	0	1	0	0	0	0	0	0	1
STAT5A	0	0	0	1	0	0	0	0	0	0	1
TAF9	0	0	0	1	0	0	0	0	0	0	1
TCF7L2	0	0	0	1	0	0	0	0	0	0	1
TGFB2	0	0	0	1	0	0	0	0	0	0	1
TIA1	0	0	0	1	0	0	0	0	0	0	1
TPM3	0	0	0	1	0	0	0	0	0	0	1
TXNRD1	0	0	0	1	0	0	0	0	0	0	1
CHCHD7	0	0	0	1	0	0	0	0	0	0	1
CHCHD7	0	0	0	1	0	0	0	0	0	0	1
CHCHD7	0	0	0	1	0	0	0	0	0	0	1
FCRL2	0	0	0	1	0	0	0	0	0	0	1
LRRC2	0	0	0	1	0	0	0	0	0	0	1
C11orf61	0	0	0	1	0	0	0	0	0	0	1
SAP30L	0	0	0	1	0	0	0	0	0	0	1
SAP30L	0	0	0	1	0	0	0	0	0	0	1
PHF17	0	0	0	1	0	0	0	0	0	0	1
PTGES2	0	0	0	1	0	0	0	0	0	0	1
PTGES2	0	0	0	1	0	0	0	0	0	0	1
RAB11FIP1	0	0	0	1	0	0	0	0	0	0	1
TDRD3	0	0	0	1	0	0	0	0	0	0	1
COLQ	0	0	0	1	0	0	0	0	0	0	1
COLQ	0	0	0	1	0	0	0	0	0	0	1
MRO	0	0	0	1	0	0	0	0	0	0	1
MRO	0	0	0	1	0	0	0	0	0	0	1
ACBD6	0	0	0	1	0	0	0	0	0	0	1
ZMAT1	0	0	0	1	0	0	0	0	0	0	1
ITGA10	0	0	0	1	0	0	0	0	0	0	1
SCARF1	0	0	0	1	0	0	0	0	0	0	1
ADAM9	0	0	0	1	0	0	0	0	0	0	1

COPS2	0	0	0	1	0	0	0	0	0	0	1
ACRC	0	0	0	1	0	0	0	0	0	0	1
ENTPD4	0	0	0	1	0	0	0	0	0	0	1
CDC2	0	0	0	1	0	0	0	0	0	0	1
GLYAT	1	0	0	0	0	0	0	0	0	0	1
SNAPC5	1	0	0	0	0	0	0	0	0	0	1
RAPGEF3	1	0	0	0	0	0	0	0	0	0	1
RAPGEF3	1	0	0	0	0	0	0	0	0	0	1
RAPGEF3	1	0	0	0	0	0	0	0	0	0	1
GMEB1	1	0	0	0	0	0	0	0	0	0	1
GMEB1	1	0	0	0	0	0	0	0	0	0	1
NEK6	1	0	0	0	0	0	0	0	0	0	1
WDR4	1	0	0	0	0	0	0	0	0	0	1
UTS2	1	0	0	0	0	0	0	0	0	0	1
UTS2	1	0	0	0	0	0	0	0	0	0	1
MSL3L1	1	0	0	0	0	0	0	0	0	0	1
MSL3L1	1	0	0	0	0	0	0	0	0	0	1
RABL4	1	0	0	0	0	0	0	0	0	0	1
ATE1	1	0	0	0	0	0	0	0	0	0	1
ATE1	1	0	0	0	0	0	0	0	0	0	1
AP4S1	1	0	0	0	0	0	0	0	0	0	1
INSL6	1	0	0	0	0	0	0	0	0	0	1
ADCY6	1	0	0	0	0	0	0	0	0	0	1
CHN1	1	0	0	0	0	0	0	0	0	0	1
AP1GBP1	1	0	0	0	0	0	0	0	0	0	1
XAB1	1	0	0	0	0	0	0	0	0	0	1
OSBPL10	1	0	0	0	0	0	0	0	0	0	1
CHCHD1	1	0	0	0	0	0	0	0	0	0	1
SFXN4	1	0	0	0	0	0	0	0	0	0	1
SLC38A10	1	0	0	0	0	0	0	0	0	0	1
ZNF816A	1	0	0	0	0	0	0	0	0	0	1
C1orf125	1	0	0	0	0	0	0	0	0	0	1
COL4A3	1	0	0	0	0	0	0	0	0	0	1
XIRP2	1	0	0	0	0	0	0	0	0	0	1
BTBD14A	1	0	0	0	0	0	0	0	0	0	1
C9orf41	1	0	0	0	0	0	0	0	0	0	1
ATF2	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1

CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
CREM	1	0	0	0	0	0	0	0	0	0	1
RNF32	1	0	0	0	0	0	0	0	0	0	1
ZNF555	1	0	0	0	0	0	0	0	0	0	1
C1orf51	1	0	0	0	0	0	0	0	0	0	1
CTNNB1	1	0	0	0	0	0	0	0	0	0	1
CTNNB1	1	0	0	0	0	0	0	0	0	0	1
PPP4R2	1	0	0	0	0	0	0	0	0	0	1
RNF217	1	0	0	0	0	0	0	0	0	0	1
CYP2E1	1	0	0	0	0	0	0	0	0	0	1
C8orf45	1	0	0	0	0	0	0	0	0	0	1
DAB1	1	0	0	0	0	0	0	0	0	0	1
TRPV3	1	0	0	0	0	0	0	0	0	0	1
HFM1	1	0	0	0	0	0	0	0	0	0	1
DACT2	1	0	0	0	0	0	0	0	0	0	1
GIMAP1	1	0	0	0	0	0	0	0	0	0	1
CLYBL	1	0	0	0	0	0	0	0	0	0	1
FAM9C	1	0	0	0	0	0	0	0	0	0	1
EDA	1	0	0	0	0	0	0	0	0	0	1
EDNRB	1	0	0	0	0	0	0	0	0	0	1
SUSD3	1	0	0	0	0	0	0	0	0	0	1
SLC44A5	1	0	0	0	0	0	0	0	0	0	1
ESRRG	1	0	0	0	0	0	0	0	0	0	1
EVI1	1	0	0	0	0	0	0	0	0	0	1
EVI1	1	0	0	0	0	0	0	0	0	0	1
EXT1	1	0	0	0	0	0	0	0	0	0	1
FAM123A	1	0	0	0	0	0	0	0	0	0	1
FAM123A	1	0	0	0	0	0	0	0	0	0	1
FAM124A	1	0	0	0	0	0	0	0	0	0	1
JMJD1C	1	0	0	0	0	0	0	0	0	0	1
TDRD6	1	0	0	0	0	0	0	0	0	0	1
PHACTR1	1	0	0	0	0	0	0	0	0	0	1
C7orf27	1	0	0	0	0	0	0	0	0	0	1
TMED4	1	0	0	0	0	0	0	0	0	0	1
ATXN7L1	1	0	0	0	0	0	0	0	0	0	1

SEPT6	1	0	0	0	0	0	0	0	0	0	1
SEPT6	1	0	0	0	0	0	0	0	0	0	1
SEPT6	1	0	0	0	0	0	0	0	0	0	1
ACSBG1	1	0	0	0	0	0	0	0	0	0	1
DOCK9	1	0	0	0	0	0	0	0	0	0	1
DOCK9	1	0	0	0	0	0	0	0	0	0	1
NCSTN	1	0	0	0	0	0	0	0	0	0	1
SF3B1	1	0	0	0	0	0	0	0	0	0	1
CBX6	1	0	0	0	0	0	0	0	0	0	1
FUCA2	1	0	0	0	0	0	0	0	0	0	1
FUS	1	0	0	0	0	0	0	0	0	0	1
ELMOD2	1	0	0	0	0	0	0	0	0	0	1
GAD2	1	0	0	0	0	0	0	0	0	0	1
USP49	1	0	0	0	0	0	0	0	0	0	1
HACL1	1	0	0	0	0	0	0	0	0	0	1
OR1J2	1	0	0	0	0	0	0	0	0	0	1
HTF9C	1	0	0	0	0	0	0	0	0	0	1
ATP5S	1	0	0	0	0	0	0	0	0	0	1
ATP5S	1	0	0	0	0	0	0	0	0	0	1
ATP5S	1	0	0	0	0	0	0	0	0	0	1
INVS	1	0	0	0	0	0	0	0	0	0	1
ZNF638	1	0	0	0	0	0	0	0	0	0	1
ZNF638	1	0	0	0	0	0	0	0	0	0	1
FAM98B	1	0	0	0	0	0	0	0	0	0	1
GRIN2A	1	0	0	0	0	0	0	0	0	0	1
GSTM4	1	0	0	0	0	0	0	0	0	0	1
GSTM4	1	0	0	0	0	0	0	0	0	0	1
GSTM5	1	0	0	0	0	0	0	0	0	0	1
PURG	1	0	0	0	0	0	0	0	0	0	1
GLTSCR2	1	0	0	0	0	0	0	0	0	0	1
NRG1	1	0	0	0	0	0	0	0	0	0	1
NRG1	1	0	0	0	0	0	0	0	0	0	1
NRG1	1	0	0	0	0	0	0	0	0	0	1
NRG1	1	0	0	0	0	0	0	0	0	0	1
NRG1	1	0	0	0	0	0	0	0	0	0	1
HLA-E	1	0	0	0	0	0	0	0	0	0	1
EIF4E3	1	0	0	0	0	0	0	0	0	0	1
RFESD	1	0	0	0	0	0	0	0	0	0	1
RFESD	1	0	0	0	0	0	0	0	0	0	1
RFESD	1	0	0	0	0	0	0	0	0	0	1
RAB37	1	0	0	0	0	0	0	0	0	0	1

ZNF678	1	0	0	0	0	0	0	0	0	0	1
SP110	1	0	0	0	0	0	0	0	0	0	1
SP110	1	0	0	0	0	0	0	0	0	0	1
SP110	1	0	0	0	0	0	0	0	0	0	1
RBPJ	1	0	0	0	0	0	0	0	0	0	1
RBPJ	1	0	0	0	0	0	0	0	0	0	1
RBPJ	1	0	0	0	0	0	0	0	0	0	1
ZNF445	1	0	0	0	0	0	0	0	0	0	1
IGLL1	1	0	0	0	0	0	0	0	0	0	1
IL6ST	1	0	0	0	0	0	0	0	0	0	1
INS	1	0	0	0	0	0	0	0	0	0	1
INSL4	1	0	0	0	0	0	0	0	0	0	1
ITGAL	1	0	0	0	0	0	0	0	0	0	1
ITGB1	1	0	0	0	0	0	0	0	0	0	1
ITGB1	1	0	0	0	0	0	0	0	0	0	1
ITGB1	1	0	0	0	0	0	0	0	0	0	1
ITIH2	1	0	0	0	0	0	0	0	0	0	1
TRIM23	1	0	0	0	0	0	0	0	0	0	1
TRIM23	1	0	0	0	0	0	0	0	0	0	1
KCND3	1	0	0	0	0	0	0	0	0	0	1
KCND3	1	0	0	0	0	0	0	0	0	0	1
KCNG1	1	0	0	0	0	0	0	0	0	0	1
KCNK2	1	0	0	0	0	0	0	0	0	0	1
KCNK2	1	0	0	0	0	0	0	0	0	0	1
KCNK2	1	0	0	0	0	0	0	0	0	0	1
KPNA5	1	0	0	0	0	0	0	0	0	0	1
ARHGAP6	1	0	0	0	0	0	0	0	0	0	1
LIMK2	1	0	0	0	0	0	0	0	0	0	1
MLH1	1	0	0	0	0	0	0	0	0	0	1
MLL	1	0	0	0	0	0	0	0	0	0	1
LOC441054	1	0	0	0	0	0	0	0	0	0	1
MST1	1	0	0	0	0	0	0	0	0	0	1
NFATC2	1	0	0	0	0	0	0	0	0	0	1
NFATC2	1	0	0	0	0	0	0	0	0	0	1
ATP2A2	1	0	0	0	0	0	0	0	0	0	1
NTRK3	1	0	0	0	0	0	0	0	0	0	1
NTRK3	1	0	0	0	0	0	0	0	0	0	1
GCNT4	1	0	0	0	0	0	0	0	0	0	1
MRPL35	1	0	0	0	0	0	0	0	0	0	1
PDE1C	1	0	0	0	0	0	0	0	0	0	1
CXXC5	1	0	0	0	0	0	0	0	0	0	1

RBMX2	1	0	0	0	0	0	0	0	0	0	1
RAPGEF6	1	0	0	0	0	0	0	0	0	0	1
ATP8A2	1	0	0	0	0	0	0	0	0	0	1
PKHD1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
PLAGL1	1	0	0	0	0	0	0	0	0	0	1
ADAM22	1	0	0	0	0	0	0	0	0	0	1
ADAM22	1	0	0	0	0	0	0	0	0	0	1
ADAM22	1	0	0	0	0	0	0	0	0	0	1
ADAM22	1	0	0	0	0	0	0	0	0	0	1
POU2F1	1	0	0	0	0	0	0	0	0	0	1
EXOC6	1	0	0	0	0	0	0	0	0	0	1
C9orf11	1	0	0	0	0	0	0	0	0	0	1
GON4L	1	0	0	0	0	0	0	0	0	0	1
PINX1	1	0	0	0	0	0	0	0	0	0	1
ACPP	1	0	0	0	0	0	0	0	0	0	1
UQCC	1	0	0	0	0	0	0	0	0	0	1
UQCC	1	0	0	0	0	0	0	0	0	0	1
KIAA1704	1	0	0	0	0	0	0	0	0	0	1
PRG2	1	0	0	0	0	0	0	0	0	0	1
GABRQ	1	0	0	0	0	0	0	0	0	0	1
EIF2AK2	1	0	0	0	0	0	0	0	0	0	1
ANKS1B	1	0	0	0	0	0	0	0	0	0	1
KIAA1244	1	0	0	0	0	0	0	0	0	0	1
ODF2L	1	0	0	0	0	0	0	0	0	0	1
ODF2L	1	0	0	0	0	0	0	0	0	0	1
KIAA1324	1	0	0	0	0	0	0	0	0	0	1
CC2D2A	1	0	0	0	0	0	0	0	0	0	1
CC2D2A	1	0	0	0	0	0	0	0	0	0	1
KIAA1529	1	0	0	0	0	0	0	0	0	0	1
WDFY4	1	0	0	0	0	0	0	0	0	0	1
JAM2	1	0	0	0	0	0	0	0	0	0	1
ZNF462	1	0	0	0	0	0	0	0	0	0	1
ENPP5	1	0	0	0	0	0	0	0	0	0	1
RXFP1	1	0	0	0	0	0	0	0	0	0	1
CDH26	1	0	0	0	0	0	0	0	0	0	1

CDH26	1	0	0	0	0	0	0	0	0	0	1
FIGNL1	1	0	0	0	0	0	0	0	0	0	1
SUSD1	1	0	0	0	0	0	0	0	0	0	1
TUT1	1	0	0	0	0	0	0	0	0	0	1
CASD1	1	0	0	0	0	0	0	0	0	0	1
SLC30A5	1	0	0	0	0	0	0	0	0	0	1
SLC30A5	1	0	0	0	0	0	0	0	0	0	1
SLC2A5	1	0	0	0	0	0	0	0	0	0	1
SLC6A4	1	0	0	0	0	0	0	0	0	0	1
DST	1	0	0	0	0	0	0	0	0	0	1
SP100	1	0	0	0	0	0	0	0	0	0	1
SSX5	1	0	0	0	0	0	0	0	0	0	1
VAMP1	1	0	0	0	0	0	0	0	0	0	1
THRA	1	0	0	0	0	0	0	0	0	0	1
TIMP1	1	0	0	0	0	0	0	0	0	0	1
TLN1	1	0	0	0	0	0	0	0	0	0	1
TTN	1	0	0	0	0	0	0	0	0	0	1
TTN	1	0	0	0	0	0	0	0	0	0	1
TTN	1	0	0	0	0	0	0	0	0	0	1
TTN	1	0	0	0	0	0	0	0	0	0	1
TXNRD1	1	0	0	0	0	0	0	0	0	0	1
UTY	1	0	0	0	0	0	0	0	0	0	1
UTY	1	0	0	0	0	0	0	0	0	0	1
VLDLR	1	0	0	0	0	0	0	0	0	0	1
XPNPEP1	1	0	0	0	0	0	0	0	0	0	1
ZBTB17	1	0	0	0	0	0	0	0	0	0	1
ELOVL6	1	0	0	0	0	0	0	0	0	0	1
C2orf49	1	0	0	0	0	0	0	0	0	0	1
CARD14	1	0	0	0	0	0	0	0	0	0	1
ZXDC	1	0	0	0	0	0	0	0	0	0	1
ASB13	1	0	0	0	0	0	0	0	0	0	1
IQCA	1	0	0	0	0	0	0	0	0	0	1
ZNF669	1	0	0	0	0	0	0	0	0	0	1
SCD5	1	0	0	0	0	0	0	0	0	0	1
ANKRD53	1	0	0	0	0	0	0	0	0	0	1
IFT74	1	0	0	0	0	0	0	0	0	0	1
IFT74	1	0	0	0	0	0	0	0	0	0	1
C10orf79	1	0	0	0	0	0	0	0	0	0	1
C6orf25	1	0	0	0	0	0	0	0	0	0	1
C6orf25	1	0	0	0	0	0	0	0	0	0	1
C6orf25	1	0	0	0	0	0	0	0	0	0	1

C6orf25	1	0	0	0	0	0	0	0	0	0	1
C6orf25	1	0	0	0	0	0	0	0	0	0	1
C6orf25	1	0	0	0	0	0	0	0	0	0	1
C12orf39	1	0	0	0	0	0	0	0	0	0	1
FAM49A	1	0	0	0	0	0	0	0	0	0	1
CD99L2	1	0	0	0	0	0	0	0	0	0	1
RSPH3	1	0	0	0	0	0	0	0	0	0	1
RAE1	1	0	0	0	0	0	0	0	0	0	1
RAE1	1	0	0	0	0	0	0	0	0	0	1
C11orf70	1	0	0	0	0	0	0	0	0	0	1
RNASET2	1	0	0	0	0	0	0	0	0	0	1
EIF4G3	1	0	0	0	0	0	0	0	0	0	1
CES2	1	0	0	0	0	0	0	0	0	0	1
GYG2	1	0	0	0	0	0	0	0	0	0	1
MBD2	1	0	0	0	0	0	0	0	0	0	1
EXO1	1	0	0	0	0	0	0	0	0	0	1
EXO1	1	0	0	0	0	0	0	0	0	0	1
LOC91893	1	0	0	0	0	0	0	0	0	0	1
ZMYM5	1	0	0	0	0	0	0	0	0	0	1
ZMYM5	1	0	0	0	0	0	0	0	0	0	1
DLGAP1	1	0	0	0	0	0	0	0	0	0	1
DLGAP1	1	0	0	0	0	0	0	0	0	0	1
RPS6KA5	1	0	0	0	0	0	0	0	0	0	1
ADAMTSL1	1	0	0	0	0	0	0	0	0	0	1
GTF3C5	1	0	0	0	0	0	0	0	0	0	1
GTF3C5	1	0	0	0	0	0	0	0	0	0	1
GLP2R	1	0	0	0	0	0	0	0	0	0	1
FOXP2	1	0	0	0	0	0	0	0	0	0	1
FOXP2	1	0	0	0	0	0	0	0	0	0	1
RECQL5	1	0	0	0	0	0	0	0	0	0	1
RECQL5	1	0	0	0	0	0	0	0	0	0	1
SIGLEC6	1	0	0	0	0	0	0	0	0	0	1
SIGLEC6	1	0	0	0	0	0	0	0	0	0	1
RASAL2	1	0	0	0	0	0	0	0	0	0	1
ROCK2	1	0	0	0	0	0	0	0	0	0	1
DEPDC5	1	0	0	0	0	0	0	0	0	0	1
CKAP5	1	0	0	0	0	0	0	0	0	0	1
CKAP5	1	0	0	0	0	0	0	0	0	0	1
MAML1	1	0	0	0	0	0	0	0	0	0	1
NUPL1	1	0	0	0	0	0	0	0	0	0	1
NUPL1	1	0	0	0	0	0	0	0	0	0	1

CDC5L	1	0	0	0	0	0	0	0	0	0	1
CRYZL1	1	0	0	0	0	0	0	0	0	0	1
DNAJB6	0	1	0	0	0	0	0	0	0	0	1
COL4A3BP	0	1	0	0	0	0	0	0	0	0	1
LRPPRC	0	1	0	0	0	0	0	0	0	0	1
SLC25A15	0	1	0	0	0	0	0	0	0	0	1
CDK3	0	1	0	0	0	0	0	0	0	0	1
TNK2	0	1	0	0	0	0	0	0	0	0	1
PRMT3	0	1	0	0	0	0	0	0	0	0	1
LRRC17	0	1	0	0	0	0	0	0	0	0	1
ZMPSTE24	0	1	0	0	0	0	0	0	0	0	1
LILRB2	0	1	0	0	0	0	0	0	0	0	1
CDKN2C	0	1	0	0	0	0	0	0	0	0	1
RTN3	0	1	0	0	0	0	0	0	0	0	1
RRAGB	0	1	0	0	0	0	0	0	0	0	1
TLR6	0	1	0	0	0	0	0	0	0	0	1
SPAG11B	0	1	0	0	0	0	0	0	0	0	1
SPAG11B	0	1	0	0	0	0	0	0	0	0	1
ZNF238	0	1	0	0	0	0	0	0	0	0	1
ATG7	0	1	0	0	0	0	0	0	0	0	1
MTHFS	0	1	0	0	0	0	0	0	0	0	1
SLCO1B1	0	1	0	0	0	0	0	0	0	0	1
CENPE	0	1	0	0	0	0	0	0	0	0	1
GAS2L1	0	1	0	0	0	0	0	0	0	0	1
KHDRBS3	0	1	0	0	0	0	0	0	0	0	1
CXCR6	0	1	0	0	0	0	0	0	0	0	1
MGEA5	0	1	0	0	0	0	0	0	0	0	1
YME1L1	0	1	0	0	0	0	0	0	0	0	1
AHCYL1	0	1	0	0	0	0	0	0	0	0	1
POP4	0	1	0	0	0	0	0	0	0	0	1
CPLX2	0	1	0	0	0	0	0	0	0	0	1
FRS3	0	1	0	0	0	0	0	0	0	0	1
C5orf4	0	1	0	0	0	0	0	0	0	0	1
HCP5	0	1	0	0	0	0	0	0	0	0	1
SUGT1	0	1	0	0	0	0	0	0	0	0	1
PAPOLA	0	1	0	0	0	0	0	0	0	0	1
APOBEC2	0	1	0	0	0	0	0	0	0	0	1
TOMM34	0	1	0	0	0	0	0	0	0	0	1
DSTN	0	1	0	0	0	0	0	0	0	0	1
ABHD2	0	1	0	0	0	0	0	0	0	0	1
SOX30	0	1	0	0	0	0	0	0	0	0	1

HSF2BP	0	1	0	0	0	0	0	0	0	0	1
NUPL2	0	1	0	0	0	0	0	0	0	0	1
FOXN3	0	1	0	0	0	0	0	0	0	0	1
ANXA10	0	1	0	0	0	0	0	0	0	0	1
SEC63	0	1	0	0	0	0	0	0	0	0	1
PDCD10	0	1	0	0	0	0	0	0	0	0	1
EGLN2	0	1	0	0	0	0	0	0	0	0	1
NXPH2	0	1	0	0	0	0	0	0	0	0	1
CDCA5	0	1	0	0	0	0	0	0	0	0	1
CHRNA1	0	1	0	0	0	0	0	0	0	0	1
TEX261	0	1	0	0	0	0	0	0	0	0	1
MGLL	0	1	0	0	0	0	0	0	0	0	1
GABARAPL2	0	1	0	0	0	0	0	0	0	0	1
LACTB	0	1	0	0	0	0	0	0	0	0	1
BTBD9	0	1	0	0	0	0	0	0	0	0	1
UHRF2	0	1	0	0	0	0	0	0	0	0	1
ADCYAP1	0	1	0	0	0	0	0	0	0	0	1
SLC22A12	0	1	0	0	0	0	0	0	0	0	1
HSPA12B	0	1	0	0	0	0	0	0	0	0	1
ART5	0	1	0	0	0	0	0	0	0	0	1
TAGAP	0	1	0	0	0	0	0	0	0	0	1
CLCN2	0	1	0	0	0	0	0	0	0	0	1
ADD2	0	1	0	0	0	0	0	0	0	0	1
ADD2	0	1	0	0	0	0	0	0	0	0	1
ADD3	0	1	0	0	0	0	0	0	0	0	1
PPIL5	0	1	0	0	0	0	0	0	0	0	1
C16orf46	0	1	0	0	0	0	0	0	0	0	1
IQCK	0	1	0	0	0	0	0	0	0	0	1
CYB5D1	0	1	0	0	0	0	0	0	0	0	1
ZSWIM7	0	1	0	0	0	0	0	0	0	0	1
ZSWIM7	0	1	0	0	0	0	0	0	0	0	1
RPTN	0	1	0	0	0	0	0	0	0	0	1
WDR63	0	1	0	0	0	0	0	0	0	0	1
EDARADD	0	1	0	0	0	0	0	0	0	0	1
MITD1	0	1	0	0	0	0	0	0	0	0	1
TTC32	0	1	0	0	0	0	0	0	0	0	1
FAM3D	0	1	0	0	0	0	0	0	0	0	1
LRRC15	0	1	0	0	0	0	0	0	0	0	1
ADK	0	1	0	0	0	0	0	0	0	0	1
C4orf33	0	1	0	0	0	0	0	0	0	0	1
TRAM1L1	0	1	0	0	0	0	0	0	0	0	1

CPE	0	1	0	0	0	0	0	0	0	0	1
CPM	0	1	0	0	0	0	0	0	0	0	1
RALYL	0	1	0	0	0	0	0	0	0	0	1
CRK	0	1	0	0	0	0	0	0	0	0	1
ASB8	0	1	0	0	0	0	0	0	0	0	1
DUSP19	0	1	0	0	0	0	0	0	0	0	1
ASB15	0	1	0	0	0	0	0	0	0	0	1
MAPK14	0	1	0	0	0	0	0	0	0	0	1
MAPK14	0	1	0	0	0	0	0	0	0	0	1
HECTD2	0	1	0	0	0	0	0	0	0	0	1
PSMA8	0	1	0	0	0	0	0	0	0	0	1
LYRM5	0	1	0	0	0	0	0	0	0	0	1
CSN2	0	1	0	0	0	0	0	0	0	0	1
MDP-1	0	1	0	0	0	0	0	0	0	0	1
Gcom1	0	1	0	0	0	0	0	0	0	0	1
MGAT5B	0	1	0	0	0	0	0	0	0	0	1
TMEM199	0	1	0	0	0	0	0	0	0	0	1
NOTUM	0	1	0	0	0	0	0	0	0	0	1
TMC8	0	1	0	0	0	0	0	0	0	0	1
CBLN2	0	1	0	0	0	0	0	0	0	0	1
MOBKL2C	0	1	0	0	0	0	0	0	0	0	1
CTNS	0	1	0	0	0	0	0	0	0	0	1
ADRA2A	0	1	0	0	0	0	0	0	0	0	1
C2orf15	0	1	0	0	0	0	0	0	0	0	1
CTSB	0	1	0	0	0	0	0	0	0	0	1
PUS10	0	1	0	0	0	0	0	0	0	0	1
DPPA2	0	1	0	0	0	0	0	0	0	0	1
CUX1	0	1	0	0	0	0	0	0	0	0	1
IQUB	0	1	0	0	0	0	0	0	0	0	1
KCTD7	0	1	0	0	0	0	0	0	0	0	1
CRYGN	0	1	0	0	0	0	0	0	0	0	1
CYP2C18	0	1	0	0	0	0	0	0	0	0	1
ZDHHC15	0	1	0	0	0	0	0	0	0	0	1
CLECL1	0	1	0	0	0	0	0	0	0	0	1
ALDH1L2	0	1	0	0	0	0	0	0	0	0	1
MDGA2	0	1	0	0	0	0	0	0	0	0	1
GADD45A	0	1	0	0	0	0	0	0	0	0	1
GPR113	0	1	0	0	0	0	0	0	0	0	1
DHX15	0	1	0	0	0	0	0	0	0	0	1
PAPD4	0	1	0	0	0	0	0	0	0	0	1
GIMAP7	0	1	0	0	0	0	0	0	0	0	1

ZNF596	0	1	0	0	0	0	0	0	0	0	1
DLG1	0	1	0	0	0	0	0	0	0	0	1
DLX5	0	1	0	0	0	0	0	0	0	0	1
DLX6	0	1	0	0	0	0	0	0	0	0	1
DNM1	0	1	0	0	0	0	0	0	0	0	1
DYNC1I1	0	1	0	0	0	0	0	0	0	0	1
DRD2	0	1	0	0	0	0	0	0	0	0	1
ARID3A	0	1	0	0	0	0	0	0	0	0	1
ECT2	0	1	0	0	0	0	0	0	0	0	1
EFNA5	0	1	0	0	0	0	0	0	0	0	1
EGF	0	1	0	0	0	0	0	0	0	0	1
C10orf72	0	1	0	0	0	0	0	0	0	0	1
ELK1	0	1	0	0	0	0	0	0	0	0	1
ELK3	0	1	0	0	0	0	0	0	0	0	1
MUC20	0	1	0	0	0	0	0	0	0	0	1
MARK2	0	1	0	0	0	0	0	0	0	0	1
C4orf34	0	1	0	0	0	0	0	0	0	0	1
STK32A	0	1	0	0	0	0	0	0	0	0	1
C9orf93	0	1	0	0	0	0	0	0	0	0	1
EPHA5	0	1	0	0	0	0	0	0	0	0	1
EPHB2	0	1	0	0	0	0	0	0	0	0	1
ERCC6	0	1	0	0	0	0	0	0	0	0	1
ALCAM	0	1	0	0	0	0	0	0	0	0	1
ALDH1A1	0	1	0	0	0	0	0	0	0	0	1
F13B	0	1	0	0	0	0	0	0	0	0	1
FBLN1	0	1	0	0	0	0	0	0	0	0	1
FBLN1	0	1	0	0	0	0	0	0	0	0	1
STOX1	0	1	0	0	0	0	0	0	0	0	1
REEP3	0	1	0	0	0	0	0	0	0	0	1
FCGR3B	0	1	0	0	0	0	0	0	0	0	1
FGA	0	1	0	0	0	0	0	0	0	0	1
KIAA0907	0	1	0	0	0	0	0	0	0	0	1
PLA2R1	0	1	0	0	0	0	0	0	0	0	1
FOXL1	0	1	0	0	0	0	0	0	0	0	1
PLCH1	0	1	0	0	0	0	0	0	0	0	1
PLCH1	0	1	0	0	0	0	0	0	0	0	1
RBM34	0	1	0	0	0	0	0	0	0	0	1
SAMD4A	0	1	0	0	0	0	0	0	0	0	1
EXPH5	0	1	0	0	0	0	0	0	0	0	1
CDC2L6	0	1	0	0	0	0	0	0	0	0	1
DCUN1D4	0	1	0	0	0	0	0	0	0	0	1

WDR43	0	1	0	0	0	0	0	0	0	0	1
SLC35D1	0	1	0	0	0	0	0	0	0	0	1
FAM120A	0	1	0	0	0	0	0	0	0	0	1
PDS5A	0	1	0	0	0	0	0	0	0	0	1
KIAA0460	0	1	0	0	0	0	0	0	0	0	1
AGTPBP1	0	1	0	0	0	0	0	0	0	0	1
ZCCHC11	0	1	0	0	0	0	0	0	0	0	1
KIAA1033	0	1	0	0	0	0	0	0	0	0	1
VPS8	0	1	0	0	0	0	0	0	0	0	1
PPP1R13B	0	1	0	0	0	0	0	0	0	0	1
ADNP	0	1	0	0	0	0	0	0	0	0	1
GRIP1	0	1	0	0	0	0	0	0	0	0	1
FOLH1	0	1	0	0	0	0	0	0	0	0	1
TGDS	0	1	0	0	0	0	0	0	0	0	1
KIAA0146	0	1	0	0	0	0	0	0	0	0	1
SKIV2L2	0	1	0	0	0	0	0	0	0	0	1
PIK3R5	0	1	0	0	0	0	0	0	0	0	1
ATP6V0A2	0	1	0	0	0	0	0	0	0	0	1
SMUG1	0	1	0	0	0	0	0	0	0	0	1
ALOX5	0	1	0	0	0	0	0	0	0	0	1
FSHR	0	1	0	0	0	0	0	0	0	0	1
ABL1	0	1	0	0	0	0	0	0	0	0	1
SLC25A30	0	1	0	0	0	0	0	0	0	0	1
ZNF718	0	1	0	0	0	0	0	0	0	0	1
GABRA2	0	1	0	0	0	0	0	0	0	0	1
GABRA5	0	1	0	0	0	0	0	0	0	0	1
CCDC110	0	1	0	0	0	0	0	0	0	0	1
LYSMD2	0	1	0	0	0	0	0	0	0	0	1
RAB3GAP2	0	1	0	0	0	0	0	0	0	0	1
BACE2	0	1	0	0	0	0	0	0	0	0	1
BACE2	0	1	0	0	0	0	0	0	0	0	1
FAM149A	0	1	0	0	0	0	0	0	0	0	1
PRKD2	0	1	0	0	0	0	0	0	0	0	1
INTS7	0	1	0	0	0	0	0	0	0	0	1
C3orf60	0	1	0	0	0	0	0	0	0	0	1
SGMS1	0	1	0	0	0	0	0	0	0	0	1
KBTBD2	0	1	0	0	0	0	0	0	0	0	1
MMACHC	0	1	0	0	0	0	0	0	0	0	1
LRIG1	0	1	0	0	0	0	0	0	0	0	1
TMEM98	0	1	0	0	0	0	0	0	0	0	1
POLDIP2	0	1	0	0	0	0	0	0	0	0	1

TES	0	1	0	0	0	0	0	0	0	0	1
C10orf12	0	1	0	0	0	0	0	0	0	0	1
FBXO22	0	1	0	0	0	0	0	0	0	0	1
FBXO3	0	1	0	0	0	0	0	0	0	0	1
PLA2G2D	0	1	0	0	0	0	0	0	0	0	1
GBP2	0	1	0	0	0	0	0	0	0	0	1
INTS6	0	1	0	0	0	0	0	0	0	0	1
OSTF1	0	1	0	0	0	0	0	0	0	0	1
GPR110	0	1	0	0	0	0	0	0	0	0	1
TCL6	0	1	0	0	0	0	0	0	0	0	1
TCL6	0	1	0	0	0	0	0	0	0	0	1
GJA5	0	1	0	0	0	0	0	0	0	0	1
CLUL1	0	1	0	0	0	0	0	0	0	0	1
DKK3	0	1	0	0	0	0	0	0	0	0	1
IL1F8	0	1	0	0	0	0	0	0	0	0	1
AMPD3	0	1	0	0	0	0	0	0	0	0	1
TEKT2	0	1	0	0	0	0	0	0	0	0	1
SPINK4	0	1	0	0	0	0	0	0	0	0	1
RBMS3	0	1	0	0	0	0	0	0	0	0	1
HTATSF1	0	1	0	0	0	0	0	0	0	0	1
GLG1	0	1	0	0	0	0	0	0	0	0	1
GNG4	0	1	0	0	0	0	0	0	0	0	1
GPR6	0	1	0	0	0	0	0	0	0	0	1
GPR12	0	1	0	0	0	0	0	0	0	0	1
KIAA0284	0	1	0	0	0	0	0	0	0	0	1
CXCL17	0	1	0	0	0	0	0	0	0	0	1
C19orf63	0	1	0	0	0	0	0	0	0	0	1
C19orf63	0	1	0	0	0	0	0	0	0	0	1
SIRPB2	0	1	0	0	0	0	0	0	0	0	1
DPH3	0	1	0	0	0	0	0	0	0	0	1
C6orf182	0	1	0	0	0	0	0	0	0	0	1
PPIL6	0	1	0	0	0	0	0	0	0	0	1
WBSCR19	0	1	0	0	0	0	0	0	0	0	1
FBXO43	0	1	0	0	0	0	0	0	0	0	1
FAM133A	0	1	0	0	0	0	0	0	0	0	1
TRIM42	0	1	0	0	0	0	0	0	0	0	1
MRPS28	0	1	0	0	0	0	0	0	0	0	1
CNIH4	0	1	0	0	0	0	0	0	0	0	1
CTNNA3	0	1	0	0	0	0	0	0	0	0	1
CLEC2D	0	1	0	0	0	0	0	0	0	0	1
GRM6	0	1	0	0	0	0	0	0	0	0	1

GSPT1	0	1	0	0	0	0	0	0	0	0	1
GSR	0	1	0	0	0	0	0	0	0	0	1
GSS	0	1	0	0	0	0	0	0	0	0	1
USP25	0	1	0	0	0	0	0	0	0	0	1
REPIN1	0	1	0	0	0	0	0	0	0	0	1
GUCY1A3	0	1	0	0	0	0	0	0	0	0	1
GUCY1B3	0	1	0	0	0	0	0	0	0	0	1
PSAT1	0	1	0	0	0	0	0	0	0	0	1
H2AFZ	0	1	0	0	0	0	0	0	0	0	1
HIST1H2BD	0	1	0	0	0	0	0	0	0	0	1
HELLS	0	1	0	0	0	0	0	0	0	0	1
ZNRD1	0	1	0	0	0	0	0	0	0	0	1
HIVEP1	0	1	0	0	0	0	0	0	0	0	1
HK1	0	1	0	0	0	0	0	0	0	0	1
HLA-F	0	1	0	0	0	0	0	0	0	0	1
HLA-G	0	1	0	0	0	0	0	0	0	0	1
HNRPD	0	1	0	0	0	0	0	0	0	0	1
APOF	0	1	0	0	0	0	0	0	0	0	1
APBB2	0	1	0	0	0	0	0	0	0	0	1
APC	0	1	0	0	0	0	0	0	0	0	1
HTR4	0	1	0	0	0	0	0	0	0	0	1
APOBEC1	0	1	0	0	0	0	0	0	0	0	1
FAM5C	0	1	0	0	0	0	0	0	0	0	1
SPOPL	0	1	0	0	0	0	0	0	0	0	1
VSIG1	0	1	0	0	0	0	0	0	0	0	1
IDE	0	1	0	0	0	0	0	0	0	0	1
SLC35F4	0	1	0	0	0	0	0	0	0	0	1
TMEM157	0	1	0	0	0	0	0	0	0	0	1
IGSF1	0	1	0	0	0	0	0	0	0	0	1
IL6R	0	1	0	0	0	0	0	0	0	0	1
IL12A	0	1	0	0	0	0	0	0	0	0	1
INSM1	0	1	0	0	0	0	0	0	0	0	1
ITGAD	0	1	0	0	0	0	0	0	0	0	1
STT3A	0	1	0	0	0	0	0	0	0	0	1
C10orf96	0	1	0	0	0	0	0	0	0	0	1
KRT77	0	1	0	0	0	0	0	0	0	0	1
C18orf34	0	1	0	0	0	0	0	0	0	0	1
KCNC4	0	1	0	0	0	0	0	0	0	0	1
FAM89A	0	1	0	0	0	0	0	0	0	0	1
KCNJ8	0	1	0	0	0	0	0	0	0	0	1
KCNJ14	0	1	0	0	0	0	0	0	0	0	1

KCNJ15	0	1	0	0	0	0	0	0	0	0	1
KLK2	0	1	0	0	0	0	0	0	0	0	1
KPNA3	0	1	0	0	0	0	0	0	0	0	1
ARG2	0	1	0	0	0	0	0	0	0	0	1
C6orf174	0	1	0	0	0	0	0	0	0	0	1
C17orf76	0	1	0	0	0	0	0	0	0	0	1
C17orf76	0	1	0	0	0	0	0	0	0	0	1
SP5	0	1	0	0	0	0	0	0	0	0	1
L1CAM	0	1	0	0	0	0	0	0	0	0	1
LAMP2	0	1	0	0	0	0	0	0	0	0	1
C9orf128	0	1	0	0	0	0	0	0	0	0	1
C14orf181	0	1	0	0	0	0	0	0	0	0	1
LOC401152	0	1	0	0	0	0	0	0	0	0	1
C9orf105	0	1	0	0	0	0	0	0	0	0	1
C9orf105	0	1	0	0	0	0	0	0	0	0	1
ARNT	0	1	0	0	0	0	0	0	0	0	1
ARNTL	0	1	0	0	0	0	0	0	0	0	1
MAD2L1	0	1	0	0	0	0	0	0	0	0	1
MB	0	1	0	0	0	0	0	0	0	0	1
MBD1	0	1	0	0	0	0	0	0	0	0	1
MDS1	0	1	0	0	0	0	0	0	0	0	1
MEP1A	0	1	0	0	0	0	0	0	0	0	1
MLLT4	0	1	0	0	0	0	0	0	0	0	1
NR3C2	0	1	0	0	0	0	0	0	0	0	1
LHX8	0	1	0	0	0	0	0	0	0	0	1
MPZ	0	1	0	0	0	0	0	0	0	0	1
MXRA7	0	1	0	0	0	0	0	0	0	0	1
MXRA7	0	1	0	0	0	0	0	0	0	0	1
MT1X	0	1	0	0	0	0	0	0	0	0	1
MT2A	0	1	0	0	0	0	0	0	0	0	1
NDUFA4	0	1	0	0	0	0	0	0	0	0	1
NEUROD1	0	1	0	0	0	0	0	0	0	0	1
NFIA	0	1	0	0	0	0	0	0	0	0	1
NOTCH3	0	1	0	0	0	0	0	0	0	0	1
NPM1	0	1	0	0	0	0	0	0	0	0	1
NRGN	0	1	0	0	0	0	0	0	0	0	1
NRGN	0	1	0	0	0	0	0	0	0	0	1
NUP98	0	1	0	0	0	0	0	0	0	0	1
NR4A2	0	1	0	0	0	0	0	0	0	0	1
OAS2	0	1	0	0	0	0	0	0	0	0	1
ORC1L	0	1	0	0	0	0	0	0	0	0	1

ORC4L	0	1	0	0	0	0	0	0	0	0	1
PCSK6	0	1	0	0	0	0	0	0	0	0	1
PAH	0	1	0	0	0	0	0	0	0	0	1
IL21R	0	1	0	0	0	0	0	0	0	0	1
CNTN3	0	1	0	0	0	0	0	0	0	0	1
PAX3	0	1	0	0	0	0	0	0	0	0	1
PAX3	0	1	0	0	0	0	0	0	0	0	1
PAX3	0	1	0	0	0	0	0	0	0	0	1
SPG3A	0	1	0	0	0	0	0	0	0	0	1
THAP4	0	1	0	0	0	0	0	0	0	0	1
C8orf70	0	1	0	0	0	0	0	0	0	0	1
FAM108B1	0	1	0	0	0	0	0	0	0	0	1
COMMD2	0	1	0	0	0	0	0	0	0	0	1
SAR1B	0	1	0	0	0	0	0	0	0	0	1
ATPBD1C	0	1	0	0	0	0	0	0	0	0	1
CKLF	0	1	0	0	0	0	0	0	0	0	1
CLEC1B	0	1	0	0	0	0	0	0	0	0	1
UBAP1	0	1	0	0	0	0	0	0	0	0	1
BET1L	0	1	0	0	0	0	0	0	0	0	1
GOLM1	0	1	0	0	0	0	0	0	0	0	1
CYP39A1	0	1	0	0	0	0	0	0	0	0	1
KCNK9	0	1	0	0	0	0	0	0	0	0	1
TLR8	0	1	0	0	0	0	0	0	0	0	1
UBR5	0	1	0	0	0	0	0	0	0	0	1
PDE4B	0	1	0	0	0	0	0	0	0	0	1
ZNF107	0	1	0	0	0	0	0	0	0	0	1
C1orf9	0	1	0	0	0	0	0	0	0	0	1
LCMT1	0	1	0	0	0	0	0	0	0	0	1
REV1	0	1	0	0	0	0	0	0	0	0	1
EVL	0	1	0	0	0	0	0	0	0	0	1
PDE6D	0	1	0	0	0	0	0	0	0	0	1
ATP5F1	0	1	0	0	0	0	0	0	0	0	1
PDE7A	0	1	0	0	0	0	0	0	0	0	1
PDGFA	0	1	0	0	0	0	0	0	0	0	1
IL23A	0	1	0	0	0	0	0	0	0	0	1
MBIP	0	1	0	0	0	0	0	0	0	0	1
UFM1	0	1	0	0	0	0	0	0	0	0	1
PDHA1	0	1	0	0	0	0	0	0	0	0	1
ATP6V1H	0	1	0	0	0	0	0	0	0	0	1
YPEL5	0	1	0	0	0	0	0	0	0	0	1
MRPS33	0	1	0	0	0	0	0	0	0	0	1

CROP	0	1	0	0	0	0	0	0	0	0	1
ABCB1	0	1	0	0	0	0	0	0	0	0	1
PLCL1	0	1	0	0	0	0	0	0	0	0	1
ATP6V1G2	0	1	0	0	0	0	0	0	0	0	1
SERPINF2	0	1	0	0	0	0	0	0	0	0	1
PLK1	0	1	0	0	0	0	0	0	0	0	1
IL20RB	0	1	0	0	0	0	0	0	0	0	1
ACP5	0	1	0	0	0	0	0	0	0	0	1
SNTG1	0	1	0	0	0	0	0	0	0	0	1
NOLA1	0	1	0	0	0	0	0	0	0	0	1
ATAD2B	0	1	0	0	0	0	0	0	0	0	1
PLEKHA5	0	1	0	0	0	0	0	0	0	0	1
HMGCLL1	0	1	0	0	0	0	0	0	0	0	1
ING3	0	1	0	0	0	0	0	0	0	0	1
UGT1A8	0	1	0	0	0	0	0	0	0	0	1
UGT1A6	0	1	0	0	0	0	0	0	0	0	1
CRLS1	0	1	0	0	0	0	0	0	0	0	1
ATPBD1B	0	1	0	0	0	0	0	0	0	0	1
GATAD2A	0	1	0	0	0	0	0	0	0	0	1
ERCC6L	0	1	0	0	0	0	0	0	0	0	1
BCOR	0	1	0	0	0	0	0	0	0	0	1
TBC1D8B	0	1	0	0	0	0	0	0	0	0	1
C12orf41	0	1	0	0	0	0	0	0	0	0	1
ZWILCH	0	1	0	0	0	0	0	0	0	0	1
PPP1R8	0	1	0	0	0	0	0	0	0	0	1
LARP2	0	1	0	0	0	0	0	0	0	0	1
CEP27	0	1	0	0	0	0	0	0	0	0	1
CEP55	0	1	0	0	0	0	0	0	0	0	1
STEAP3	0	1	0	0	0	0	0	0	0	0	1
PPP2R5A	0	1	0	0	0	0	0	0	0	0	1
VPS53	0	1	0	0	0	0	0	0	0	0	1
FBXW7	0	1	0	0	0	0	0	0	0	0	1
C5orf22	0	1	0	0	0	0	0	0	0	0	1
UFSP2	0	1	0	0	0	0	0	0	0	0	1
C17orf85	0	1	0	0	0	0	0	0	0	0	1
CDV3	0	1	0	0	0	0	0	0	0	0	1
CDV3	0	1	0	0	0	0	0	0	0	0	1
KIF21A	0	1	0	0	0	0	0	0	0	0	1
PRKAB2	0	1	0	0	0	0	0	0	0	0	1
NOLA2	0	1	0	0	0	0	0	0	0	0	1
IWS1	0	1	0	0	0	0	0	0	0	0	1

RADIL	0	1	0	0	0	0	0	0	0	0	1
UGCGL2	0	1	0	0	0	0	0	0	0	0	1
CXorf15	0	1	0	0	0	0	0	0	0	0	1
PRKCB1	0	1	0	0	0	0	0	0	0	0	1
UBAP2	0	1	0	0	0	0	0	0	0	0	1
CISD1	0	1	0	0	0	0	0	0	0	0	1
TMEM126B	0	1	0	0	0	0	0	0	0	0	1
PBK	0	1	0	0	0	0	0	0	0	0	1
ZNF167	0	1	0	0	0	0	0	0	0	0	1
KLHL7	0	1	0	0	0	0	0	0	0	0	1
C19orf61	0	1	0	0	0	0	0	0	0	0	1
MAPK9	0	1	0	0	0	0	0	0	0	0	1
MAPK10	0	1	0	0	0	0	0	0	0	0	1
MAP2K6	0	1	0	0	0	0	0	0	0	0	1
SERTAD4	0	1	0	0	0	0	0	0	0	0	1
ANKRD7	0	1	0	0	0	0	0	0	0	0	1
MASP1	0	1	0	0	0	0	0	0	0	0	1
ERO1LB	0	1	0	0	0	0	0	0	0	0	1
CLDND1	0	1	0	0	0	0	0	0	0	0	1
B2M	0	1	0	0	0	0	0	0	0	0	1
DPYSL5	0	1	0	0	0	0	0	0	0	0	1
C1GALT1	0	1	0	0	0	0	0	0	0	0	1
DKFZp547H025	0	1	0	0	0	0	0	0	0	0	1
SMYD2	0	1	0	0	0	0	0	0	0	0	1
STOX2	0	1	0	0	0	0	0	0	0	0	1
PRDM8	0	1	0	0	0	0	0	0	0	0	1
C1orf63	0	1	0	0	0	0	0	0	0	0	1
PLSCR2	0	1	0	0	0	0	0	0	0	0	1
AGTRAP	0	1	0	0	0	0	0	0	0	0	1
AGTRAP	0	1	0	0	0	0	0	0	0	0	1
SPINLW1	0	1	0	0	0	0	0	0	0	0	1
CHMP1B	0	1	0	0	0	0	0	0	0	0	1
PSMD8	0	1	0	0	0	0	0	0	0	0	1
PSMD10	0	1	0	0	0	0	0	0	0	0	1
ZNF287	0	1	0	0	0	0	0	0	0	0	1
PTGER4	0	1	0	0	0	0	0	0	0	0	1
PTHLH	0	1	0	0	0	0	0	0	0	0	1
ZNF608	0	1	0	0	0	0	0	0	0	0	1
MKL1	0	1	0	0	0	0	0	0	0	0	1
SH3RF1	0	1	0	0	0	0	0	0	0	0	1

RNF213	0	1	0	0	0	0	0	0	0	0	1
ZDBF2	0	1	0	0	0	0	0	0	0	0	1
KIAA1598	0	1	0	0	0	0	0	0	0	0	1
KIAA1598	0	1	0	0	0	0	0	0	0	0	1
GBA2	0	1	0	0	0	0	0	0	0	0	1
ZNF529	0	1	0	0	0	0	0	0	0	0	1
GBA3	0	1	0	0	0	0	0	0	0	0	1
FAM5B	0	1	0	0	0	0	0	0	0	0	1
KIAA1967	0	1	0	0	0	0	0	0	0	0	1
PTPRO	0	1	0	0	0	0	0	0	0	0	1
PTPRO	0	1	0	0	0	0	0	0	0	0	1
RAD1	0	1	0	0	0	0	0	0	0	0	1
PEX5	0	1	0	0	0	0	0	0	0	0	1
ZNF250	0	1	0	0	0	0	0	0	0	0	1
SNX6	0	1	0	0	0	0	0	0	0	0	1
RAC1	0	1	0	0	0	0	0	0	0	0	1
RALGDS	0	1	0	0	0	0	0	0	0	0	1
ACE2	0	1	0	0	0	0	0	0	0	0	1
RBBP5	0	1	0	0	0	0	0	0	0	0	1
TMEM35	0	1	0	0	0	0	0	0	0	0	1
RCN2	0	1	0	0	0	0	0	0	0	0	1
TRIM27	0	1	0	0	0	0	0	0	0	0	1
RLBP1	0	1	0	0	0	0	0	0	0	0	1
RNF4	0	1	0	0	0	0	0	0	0	0	1
MAK10	0	1	0	0	0	0	0	0	0	0	1
PAPPA2	0	1	0	0	0	0	0	0	0	0	1
C4orf41	0	1	0	0	0	0	0	0	0	0	1
RP9	0	1	0	0	0	0	0	0	0	0	1
RPGR	0	1	0	0	0	0	0	0	0	0	1
RPS23	0	1	0	0	0	0	0	0	0	0	1
SLC22A23	0	1	0	0	0	0	0	0	0	0	1
BID	0	1	0	0	0	0	0	0	0	0	1
CX3CL1	0	1	0	0	0	0	0	0	0	0	1
SRR	0	1	0	0	0	0	0	0	0	0	1
NEUROG2	0	1	0	0	0	0	0	0	0	0	1
TRAPPC2	0	1	0	0	0	0	0	0	0	0	1
MCCC2	0	1	0	0	0	0	0	0	0	0	1
PJA1	0	1	0	0	0	0	0	0	0	0	1
AZI2	0	1	0	0	0	0	0	0	0	0	1
HIF3A	0	1	0	0	0	0	0	0	0	0	1
ACTR6	0	1	0	0	0	0	0	0	0	0	1

PABPC1L2B	0	1	0	0	0	0	0	0	0	0	1
EBF2	0	1	0	0	0	0	0	0	0	0	1
SHOX2	0	1	0	0	0	0	0	0	0	0	1
FAM59A	0	1	0	0	0	0	0	0	0	0	1
MRPS6	0	1	0	0	0	0	0	0	0	0	1
SKIL	0	1	0	0	0	0	0	0	0	0	1
PP8961	0	1	0	0	0	0	0	0	0	0	1
SLC5A1	0	1	0	0	0	0	0	0	0	0	1
SLC6A12	0	1	0	0	0	0	0	0	0	0	1
BMP7	0	1	0	0	0	0	0	0	0	0	1
ZBTB10	0	1	0	0	0	0	0	0	0	0	1
SON	0	1	0	0	0	0	0	0	0	0	1
SORL1	0	1	0	0	0	0	0	0	0	0	1
SRPK1	0	1	0	0	0	0	0	0	0	0	1
TROVE2	0	1	0	0	0	0	0	0	0	0	1
SSFA2	0	1	0	0	0	0	0	0	0	0	1
SSFA2	0	1	0	0	0	0	0	0	0	0	1
BRDT	0	1	0	0	0	0	0	0	0	0	1
NEK4	0	1	0	0	0	0	0	0	0	0	1
SYK	0	1	0	0	0	0	0	0	0	0	1
TACR1	0	1	0	0	0	0	0	0	0	0	1
TAL2	0	1	0	0	0	0	0	0	0	0	1
TBX5	0	1	0	0	0	0	0	0	0	0	1
ZEB1	0	1	0	0	0	0	0	0	0	0	1
TCF19	0	1	0	0	0	0	0	0	0	0	1
TP53BP2	0	1	0	0	0	0	0	0	0	0	1
TP73	0	1	0	0	0	0	0	0	0	0	1
TP73	0	1	0	0	0	0	0	0	0	0	1
TP73	0	1	0	0	0	0	0	0	0	0	1
TPP2	0	1	0	0	0	0	0	0	0	0	1
hCG_1645220	0	1	0	0	0	0	0	0	0	0	1
UBE2D3	0	1	0	0	0	0	0	0	0	0	1
UBE2D3	0	1	0	0	0	0	0	0	0	0	1
OSGIN2	0	1	0	0	0	0	0	0	0	0	1
UCP3	0	1	0	0	0	0	0	0	0	0	1
USP1	0	1	0	0	0	0	0	0	0	0	1
UTX	0	1	0	0	0	0	0	0	0	0	1
WNT7B	0	1	0	0	0	0	0	0	0	0	1
WNT2B	0	1	0	0	0	0	0	0	0	0	1
WRB	0	1	0	0	0	0	0	0	0	0	1
CNBP	0	1	0	0	0	0	0	0	0	0	1

ZNF76	0	1	0	0	0	0	0	0	0	0	1
ZNF80	0	1	0	0	0	0	0	0	0	0	1
CA9	0	1	0	0	0	0	0	0	0	0	1
CACNA1B	0	1	0	0	0	0	0	0	0	0	1
ZNF226	0	1	0	0	0	0	0	0	0	0	1
CSDE1	0	1	0	0	0	0	0	0	0	0	1
RNF103	0	1	0	0	0	0	0	0	0	0	1
KCNAB1	0	1	0	0	0	0	0	0	0	0	1
DUSP26	0	1	0	0	0	0	0	0	0	0	1
MAPKAP1	0	1	0	0	0	0	0	0	0	0	1
BAT5	0	1	0	0	0	0	0	0	0	0	1
SPAG16	0	1	0	0	0	0	0	0	0	0	1
DHX40	0	1	0	0	0	0	0	0	0	0	1
GAL3ST4	0	1	0	0	0	0	0	0	0	0	1
CALCB	0	1	0	0	0	0	0	0	0	0	1
GTDC1	0	1	0	0	0	0	0	0	0	0	1
NPEPL1	0	1	0	0	0	0	0	0	0	0	1
CXorf36	0	1	0	0	0	0	0	0	0	0	1
ZNF665	0	1	0	0	0	0	0	0	0	0	1
BTNL8	0	1	0	0	0	0	0	0	0	0	1
SPEF2	0	1	0	0	0	0	0	0	0	0	1
RMI1	0	1	0	0	0	0	0	0	0	0	1
CCDC15	0	1	0	0	0	0	0	0	0	0	1
C8orf41	0	1	0	0	0	0	0	0	0	0	1
ARMC9	0	1	0	0	0	0	0	0	0	0	1
ORAI2	0	1	0	0	0	0	0	0	0	0	1
EFHC2	0	1	0	0	0	0	0	0	0	0	1
EDEM3	0	1	0	0	0	0	0	0	0	0	1
GRPEL1	0	1	0	0	0	0	0	0	0	0	1
CALM2	0	1	0	0	0	0	0	0	0	0	1
SLC19A3	0	1	0	0	0	0	0	0	0	0	1
CDK2AP1	0	1	0	0	0	0	0	0	0	0	1
C16orf35	0	1	0	0	0	0	0	0	0	0	1
ITM2C	0	1	0	0	0	0	0	0	0	0	1
MAP1LC3B	0	1	0	0	0	0	0	0	0	0	1
TIGD6	0	1	0	0	0	0	0	0	0	0	1
RNF170	0	1	0	0	0	0	0	0	0	0	1
OR12D3	0	1	0	0	0	0	0	0	0	0	1
NETO1	0	1	0	0	0	0	0	0	0	0	1
BAP1	0	1	0	0	0	0	0	0	0	0	1
CDC45L	0	1	0	0	0	0	0	0	0	0	1

GLT8D2	0	1	0	0	0	0	0	0	0	0	1
RTBDN	0	1	0	0	0	0	0	0	0	0	1
COG3	0	1	0	0	0	0	0	0	0	0	1
C18orf21	0	1	0	0	0	0	0	0	0	0	1
INHBE	0	1	0	0	0	0	0	0	0	0	1
FAM62C	0	1	0	0	0	0	0	0	0	0	1
C5orf21	0	1	0	0	0	0	0	0	0	0	1
CASP7	0	1	0	0	0	0	0	0	0	0	1
SLC41A2	0	1	0	0	0	0	0	0	0	0	1
PCBD2	0	1	0	0	0	0	0	0	0	0	1
ANTXR1	0	1	0	0	0	0	0	0	0	0	1
FAM96A	0	1	0	0	0	0	0	0	0	0	1
FAM96A	0	1	0	0	0	0	0	0	0	0	1
LRRC8C	0	1	0	0	0	0	0	0	0	0	1
FYTTD1	0	1	0	0	0	0	0	0	0	0	1
PSMG3	0	1	0	0	0	0	0	0	0	0	1
NICN1	0	1	0	0	0	0	0	0	0	0	1
NUDT16L1	0	1	0	0	0	0	0	0	0	0	1
MON1A	0	1	0	0	0	0	0	0	0	0	1
CASQ2	0	1	0	0	0	0	0	0	0	0	1
SPIRE2	0	1	0	0	0	0	0	0	0	0	1
ZNF469	0	1	0	0	0	0	0	0	0	0	1
SUPT3H	0	1	0	0	0	0	0	0	0	0	1
TRIM55	0	1	0	0	0	0	0	0	0	0	1
FBXL10	0	1	0	0	0	0	0	0	0	0	1
EFCAB4B	0	1	0	0	0	0	0	0	0	0	1
MAP4K3	0	1	0	0	0	0	0	0	0	0	1
SPRYD3	0	1	0	0	0	0	0	0	0	0	1
RELT	0	1	0	0	0	0	0	0	0	0	1
FBXL20	0	1	0	0	0	0	0	0	0	0	1
C17orf91	0	1	0	0	0	0	0	0	0	0	1
C12orf62	0	1	0	0	0	0	0	0	0	0	1
RBM17	0	1	0	0	0	0	0	0	0	0	1
PKP4	0	1	0	0	0	0	0	0	0	0	1
KRTAP2-4	0	1	0	0	0	0	0	0	0	0	1
C6orf114	0	1	0	0	0	0	0	0	0	0	1
LMO4	0	1	0	0	0	0	0	0	0	0	1
LRRCC1	0	1	0	0	0	0	0	0	0	0	1
KIAA1737	0	1	0	0	0	0	0	0	0	0	1
STK16	0	1	0	0	0	0	0	0	0	0	1
RUNX2	0	1	0	0	0	0	0	0	0	0	1

PPAP2A	0	1	0	0	0	0	0	0	0	0	1
NCOA1	0	1	0	0	0	0	0	0	0	0	1
JRKL	0	1	0	0	0	0	0	0	0	0	1
B4GALT2	0	1	0	0	0	0	0	0	0	0	1
TNFRSF25	0	1	0	0	0	0	0	0	0	0	1
CTSF	0	1	0	0	0	0	0	0	0	0	1
CBR1	0	1	0	0	0	0	0	0	0	0	1
PEX11A	0	1	0	0	0	0	0	0	0	0	1
ALDH1A2	0	1	0	0	0	0	0	0	0	0	1
DDX18	0	1	0	0	0	0	0	0	0	0	1
CCNE1	0	1	0	0	0	0	0	0	0	0	1
FGD3	0	1	0	0	0	0	0	0	0	0	1
ATP6V0E1	0	1	0	0	0	0	0	0	0	0	1
C14orf143	0	1	0	0	0	0	0	0	0	0	1
WFDC8	0	1	0	0	0	0	0	0	0	0	1
SNX21	0	1	0	0	0	0	0	0	0	0	1
ZNF551	0	1	0	0	0	0	0	0	0	0	1
FAM110B	0	1	0	0	0	0	0	0	0	0	1
CCNT2	0	1	0	0	0	0	0	0	0	0	1
ZFAND2A	0	1	0	0	0	0	0	0	0	0	1
USP2	0	1	0	0	0	0	0	0	0	0	1
TRIM47	0	1	0	0	0	0	0	0	0	0	1
TIGD7	0	1	0	0	0	0	0	0	0	0	1
SEC22C	0	1	0	0	0	0	0	0	0	0	1
SLC39A13	0	1	0	0	0	0	0	0	0	0	1
CTDP1	0	1	0	0	0	0	0	0	0	0	1
ALKBH8	0	1	0	0	0	0	0	0	0	0	1
CD247	0	1	0	0	0	0	0	0	0	0	1
SLC33A1	0	1	0	0	0	0	0	0	0	0	1
MYOZ3	0	1	0	0	0	0	0	0	0	0	1
LRRFIP2	0	1	0	0	0	0	0	0	0	0	1
LGI1	0	1	0	0	0	0	0	0	0	0	1
FAIM3	0	1	0	0	0	0	0	0	0	0	1
MTDH	0	1	0	0	0	0	0	0	0	0	1
CD6	0	1	0	0	0	0	0	0	0	0	1
NAF1	0	1	0	0	0	0	0	0	0	0	1
CHMP4C	0	1	0	0	0	0	0	0	0	0	1
DTD1	0	1	0	0	0	0	0	0	0	0	1
ITGB1BP1	0	1	0	0	0	0	0	0	0	0	1
DNER	0	1	0	0	0	0	0	0	0	0	1
GPR52	0	1	0	0	0	0	0	0	0	0	1

MS4A3	0	1	0	0	0	0	0	0	0	0	1
EFTUD2	0	1	0	0	0	0	0	0	0	0	1
SLIT2	0	1	0	0	0	0	0	0	0	0	1
SLC22A14	0	1	0	0	0	0	0	0	0	0	1
ORMDL1	0	1	0	0	0	0	0	0	0	0	1
VPS26A	0	1	0	0	0	0	0	0	0	0	1
BRE	0	1	0	0	0	0	0	0	0	0	1
BRE	0	1	0	0	0	0	0	0	0	0	1
RBM39	0	1	0	0	0	0	0	0	0	0	1
WTAP	0	1	0	0	0	0	0	0	0	0	1
CD44	0	1	0	0	0	0	0	0	0	0	1
NCOR1	0	1	0	0	0	0	0	0	0	0	1
RIMS2	0	1	0	0	0	0	0	0	0	0	1
TBC1D5	0	1	0	0	0	0	0	0	0	0	1
ARMCX2	0	1	0	0	0	0	0	0	0	0	1
TRIM14	0	1	0	0	0	0	0	0	0	0	1
EPM2AIP1	0	1	0	0	0	0	0	0	0	0	1
ARHGAP25	0	1	0	0	0	0	0	0	0	0	1
CDC42	0	1	0	0	0	0	0	0	0	0	1
SLC35A1	0	0	1	0	0	0	0	0	0	0	1
KIT	0	0	0	0	1	0	0	0	0	0	1
NAT5	0	0	0	0	1	0	0	0	0	0	1
NAT5	0	0	0	0	1	0	0	0	0	0	1
NAT5	0	0	0	0	1	0	0	0	0	0	1
PDE3A	0	0	0	0	1	0	0	0	0	0	1
SELS	0	0	0	0	1	0	0	0	0	0	1
ZMIZ2	0	0	0	0	0	0	1	0	0	0	1
CLIC4	0	0	0	0	0	0	1	0	0	0	1
ASXL1	0	0	0	0	0	0	1	0	0	0	1
INPP5B	0	0	0	0	0	0	1	0	0	0	1
TMTC4	0	0	0	0	0	0	1	0	0	0	1
STEAP3	0	0	0	0	0	0	1	0	0	0	1
PCDHGC3	0	0	0	0	0	0	1	0	0	0	1
FYTTD1	0	0	0	0	0	0	1	0	0	0	1
DCTN5	0	0	0	0	0	0	1	0	0	0	1
C1orf135	0	0	0	0	0	0	1	0	0	0	1
CRKRS	0	0	0	0	0	0	1	0	0	0	1
PCDHGB6	0	0	0	0	0	0	1	0	0	0	1
FBXO31	0	0	0	0	0	0	1	0	0	0	1
WDR65	0	0	0	0	0	0	1	0	0	0	1
MUC20	0	0	0	0	0	0	1	0	0	0	1

EAPP	0	0	0	0	0	0	1	0	0	0	1
ZDHHC11	0	0	0	0	0	0	1	0	0	0	1
MARCKSL1	0	0	0	0	0	0	1	0	0	0	1
NDNL2	0	0	0	0	0	0	1	0	0	0	1
GLDC	0	0	0	0	0	0	1	0	0	0	1
C1orf213	0	0	0	0	0	0	1	0	0	0	1
MYCT1	0	0	0	0	0	0	1	0	0	0	1
BCL11B	0	0	0	0	0	0	1	0	0	0	1
TLR2	0	0	0	0	0	0	1	0	0	0	1
LOC644285	0	0	0	0	0	0	1	0	0	0	1
CDKN2D	0	0	0	0	0	0	1	0	0	0	1
SMARCE1	0	0	0	0	0	0	1	0	0	0	1
GABRP	0	0	0	0	0	0	1	0	0	0	1
GJA5	0	0	0	0	0	0	1	0	0	0	1
VAX2	0	0	0	0	0	0	1	0	0	0	1
ATG9A	0	0	0	0	0	0	1	0	0	0	1
GNG4	0	0	0	0	0	0	1	0	0	0	1
NUDT13	0	0	0	0	0	0	1	0	0	0	1
SYNE2	0	0	0	0	0	0	1	0	0	0	1
TSR2	0	0	0	0	0	0	1	0	0	0	1
ATG4A	0	0	0	0	0	0	1	0	0	0	1
DDEF1	0	0	0	0	0	0	1	0	0	0	1
CDK5R1	0	0	0	0	0	0	1	0	0	0	1
CLDND1	0	0	0	0	0	0	1	0	0	0	1
ECSIT	0	0	0	0	0	0	1	0	0	0	1
PPP1R3F	0	0	0	0	0	0	1	0	0	0	1
NCAN	0	0	0	0	0	0	1	0	0	0	1
CCNI	0	0	0	0	0	0	1	0	0	0	1
TAGAP	0	0	0	0	0	0	1	0	0	0	1
SEMA4D	0	0	0	0	0	0	1	0	0	0	1
C1orf59	0	0	0	0	0	0	1	0	0	0	1
FKRP	0	0	0	0	0	0	1	0	0	0	1
NGFR	0	0	0	0	0	0	1	0	0	0	1
ZNF629	0	0	0	0	0	0	1	0	0	0	1
ABCF2	0	0	0	0	0	0	1	0	0	0	1
UCN2	0	0	0	0	0	0	1	0	0	0	1
CHST10	0	0	0	0	0	0	1	0	0	0	1
ABCB9	0	0	0	0	0	0	1	0	0	0	1
NEK3	0	0	0	0	0	0	1	0	0	0	1
PCDHGA10	0	0	0	0	0	0	1	0	0	0	1
ATXN7L3	0	0	0	0	0	0	1	0	0	0	1

TMOD2	0	0	0	0	0	0	1	0	0	0	1
MAPK14	0	0	0	0	0	0	1	0	0	0	1
GPR55	0	0	0	0	0	0	1	0	0	0	1
CYP27C1	0	0	0	0	0	0	1	0	0	0	1
AP2B1	0	0	0	0	0	0	1	0	0	0	1
ZNF784	0	0	0	0	0	0	1	0	0	0	1
LOC606495	0	0	0	0	0	0	1	0	0	0	1
DSTN	0	0	0	0	0	0	1	0	0	0	1
STX1A	0	0	0	0	0	0	1	0	0	0	1
RAX2	0	0	0	0	0	0	1	0	0	0	1
SLC24A6	0	0	0	0	0	0	1	0	0	0	1
MED12	0	0	0	0	0	0	1	0	0	0	1
GP1BA	0	0	0	0	0	0	1	0	0	0	1
ASH1L	0	0	0	0	0	0	1	0	0	0	1
TNFRSF25	0	0	0	0	0	0	1	0	0	0	1
MAPKAPK2	0	0	0	0	0	0	1	0	0	0	1
C17orf67	0	0	0	0	0	0	1	0	0	0	1
EFR3A	0	0	0	0	0	0	1	0	0	0	1
C4orf42	0	0	0	0	0	0	1	0	0	0	1
CA14	0	0	0	0	0	0	1	0	0	0	1
PPP2R2D	0	0	0	0	0	0	1	0	0	0	1
FBXO18	0	0	0	0	0	0	1	0	0	0	1
MAD2L1BP	0	0	0	0	0	0	1	0	0	0	1
LAMC3	0	0	0	0	0	0	1	0	0	0	1
NAV3	0	0	0	0	0	0	1	0	0	0	1
CMBL	0	0	0	0	0	0	1	0	0	0	1
PLEKHM1	0	0	0	0	0	0	1	0	0	0	1
PRDM8	0	0	0	0	0	0	1	0	0	0	1
GDF10	0	0	0	0	0	0	1	0	0	0	1
FAM113A	0	0	0	0	0	0	1	0	0	0	1
C7orf45	0	0	0	0	0	0	1	0	0	0	1
XIRP1	0	0	0	0	0	0	1	0	0	0	1
C1orf55	0	0	0	0	0	0	1	0	0	0	1
RNASE11	0	0	0	0	0	0	1	0	0	0	1
SC4MOL	0	0	0	0	0	0	1	0	0	0	1
PSMA7	0	0	0	0	0	0	1	0	0	0	1
NR2C2AP	0	0	0	0	0	0	1	0	0	0	1
CCL19	0	0	0	0	0	0	1	0	0	0	1
SLC6A17	0	0	0	0	0	0	1	0	0	0	1
LILRB1	0	0	0	0	0	0	1	0	0	0	1
CRB2	0	0	0	0	0	0	1	0	0	0	1

PEX12	0	0	0	0	0	0	1	0	0	0	1
CADPS	0	0	0	0	0	0	1	0	0	0	1
CDK5RAP2	0	0	0	0	0	0	1	0	0	0	1
WEE1	0	0	0	0	0	0	1	0	0	0	1
SPOCK2	0	0	0	0	0	0	1	0	0	0	1
WDR59	0	0	0	0	0	0	1	0	0	0	1
TRAIP	0	0	0	0	0	0	1	0	0	0	1
TAGLN	0	0	0	0	0	0	1	0	0	0	1
METT10D	0	0	0	0	0	0	1	0	0	0	1
HCN3	0	0	0	0	0	0	1	0	0	0	1
TFAP2C	0	0	0	0	0	0	1	0	0	0	1
KLHL21	0	0	0	0	0	0	1	0	0	0	1
PIK3C3	0	0	0	0	0	0	1	0	0	0	1
LAMP1	0	0	0	0	0	0	1	0	0	0	1
SPEN	0	0	0	0	0	0	1	0	0	0	1
PCMTD2	0	0	0	0	0	0	1	0	0	0	1
PLOD2	0	0	0	0	0	0	1	0	0	0	1
SLC25A17	0	0	0	0	0	0	1	0	0	0	1
HTR4	0	0	0	0	0	0	1	0	0	0	1
ZNF313	0	0	0	0	0	0	1	0	0	0	1
FAM136A	0	0	0	0	0	0	1	0	0	0	1
HCCS	0	0	0	0	0	0	1	0	0	0	1
KCNQ2	0	0	0	0	0	0	1	0	0	0	1
ZNF497	0	0	0	0	0	0	1	0	0	0	1
FAM110A	0	0	0	0	0	0	1	0	0	0	1
GRTP1	0	0	0	0	0	0	1	0	0	0	1
CMIP	0	0	0	0	0	0	1	0	0	0	1
RCAN2	0	0	0	0	0	0	1	0	0	0	1
STK16	0	0	0	0	0	0	1	0	0	0	1
PPP2R5C	0	0	0	0	0	0	1	0	0	0	1
SIM2	0	0	0	0	0	0	1	0	0	0	1
ARSD	0	0	0	0	0	0	1	0	0	0	1
GTF3C2	0	0	0	0	0	0	1	0	0	0	1
APOL4	0	0	0	0	0	0	1	0	0	0	1
PPA2	0	0	0	0	0	0	1	0	0	0	1
KIF26B	0	0	0	0	0	0	1	0	0	0	1
FOXP3	0	0	0	0	0	0	1	0	0	0	1
C11orf54	0	0	0	0	0	0	1	0	0	0	1
KLHDC8B	0	0	0	0	0	0	1	0	0	0	1
LMOD2	0	0	0	0	0	0	1	0	0	0	1
PLA2G2F	0	0	0	0	0	0	1	0	0	0	1

MAGI2	0	0	0	0	0	0	1	0	0	0	1
KCNJ14	0	0	0	0	0	0	1	0	0	0	1
TMEM184A	0	0	0	0	0	0	1	0	0	0	1
CPB1	0	0	0	0	0	0	1	0	0	0	1
PBXIP1	0	0	0	0	0	0	1	0	0	0	1
ZDHHC6	0	0	0	0	0	0	1	0	0	0	1
STAG2	0	0	0	0	0	0	1	0	0	0	1
PGLYRP4	0	0	0	0	0	0	1	0	0	0	1
SOHLH1	0	0	0	0	0	0	1	0	0	0	1
EGLN2	0	0	0	0	0	0	1	0	0	0	1
SLC28A1	0	0	0	0	0	0	1	0	0	0	1
C1orf201	0	0	0	0	0	0	1	0	0	0	1
CNP	0	0	0	0	0	0	1	0	0	0	1
PCDHGA9	0	0	0	0	0	0	1	0	0	0	1
COL5A3	0	0	0	0	0	0	1	0	0	0	1
ADORA1	0	0	0	0	0	0	1	0	0	0	1
CETN2	0	0	0	0	0	0	1	0	0	0	1
LEPR	0	0	0	0	0	0	1	0	0	0	1
OSM	0	0	0	0	0	0	1	0	0	0	1
C8orf34	0	0	0	0	0	0	1	0	0	0	1
SPINLW1	0	0	0	0	0	0	1	0	0	0	1
OIP5	0	0	0	0	0	0	1	0	0	0	1
PUM2	0	0	0	0	0	0	1	0	0	0	1
SNPH	0	0	0	0	0	0	1	0	0	0	1
SGMS2	0	0	0	0	0	0	1	0	0	0	1
NEU3	0	0	0	0	0	0	1	0	0	0	1
TUBGCP4	0	0	0	0	0	0	1	0	0	0	1
TNFSF8	0	0	0	0	0	0	1	0	0	0	1
CYP4F22	0	0	0	0	0	0	1	0	0	0	1
RGR	0	0	0	0	0	0	1	0	0	0	1
RBM11	0	0	0	0	0	0	1	0	0	0	1
CCND1	0	0	0	0	0	0	1	0	0	0	1
CLDN1	0	0	0	0	0	0	1	0	0	0	1
VCP	0	0	0	0	0	0	1	0	0	0	1
PDZD3	0	0	0	0	0	0	1	0	0	0	1
G6PD	0	0	0	0	0	0	1	0	0	0	1
C17orf58	0	0	0	0	0	0	1	0	0	0	1
FOXC1	0	0	0	0	0	0	1	0	0	0	1
C9orf156	0	0	0	0	0	0	1	0	0	0	1
FGF17	0	0	0	0	0	0	1	0	0	0	1
CHST4	0	0	0	0	0	0	1	0	0	0	1

NMB	0	0	0	0	0	0	1	0	0	0	1
TBC1D5	0	0	0	0	0	0	1	0	0	0	1
SAP30BP	0	0	0	0	0	0	1	0	0	0	1
ZNF211	0	0	0	0	0	0	1	0	0	0	1
MRAS	0	0	0	0	0	0	1	0	0	0	1
REEP2	0	0	0	0	0	0	1	0	0	0	1
LARP1	0	0	0	0	0	0	1	0	0	0	1
AGRN	0	0	0	0	0	0	1	0	0	0	1
PPM1F	0	0	0	0	0	0	1	0	0	0	1
NAP1L4	0	0	0	0	0	0	1	0	0	0	1
OXSR1	0	0	0	0	0	0	1	0	0	0	1
ARHGEF11	0	0	0	0	0	0	1	0	0	0	1
SMO	0	0	0	0	0	0	1	0	0	0	1
ROBO1	0	0	0	0	0	0	1	0	0	0	1
SH3D19	0	0	0	0	0	0	1	0	0	0	1
P53AIP1	0	0	0	0	0	0	1	0	0	0	1
GLT1D1	0	0	0	0	0	0	1	0	0	0	1
CHID1	0	0	0	0	0	0	1	0	0	0	1
NDE1	0	0	0	0	0	0	1	0	0	0	1
FLJ10769	0	0	0	0	0	0	1	0	0	0	1
LOC283871	0	0	0	0	0	0	1	0	0	0	1
UBOX5	0	0	0	0	0	0	1	0	0	0	1
TMEM128	0	0	0	0	0	0	1	0	0	0	1
MPPED1	0	0	0	0	0	0	1	0	0	0	1
HPS1	0	0	0	0	0	0	1	0	0	0	1
PASK	0	0	0	0	0	0	1	0	0	0	1
LLGL1	0	0	0	0	0	0	1	0	0	0	1
CENTG2	0	0	0	0	0	0	1	0	0	0	1
ZNF132	0	0	0	0	0	0	1	0	0	0	1
TRPM2	0	0	0	0	0	0	1	0	0	0	1
PCDHGA11	0	0	0	0	0	0	1	0	0	0	1
STAT5B	0	0	0	0	0	0	1	0	0	0	1
PTPRM	0	0	0	0	0	0	1	0	0	0	1
APOL1	0	0	0	0	0	0	1	0	0	0	1
KCNIP3	0	0	0	0	0	0	1	0	0	0	1
C8orf33	0	0	0	0	0	0	1	0	0	0	1
SEPT4	0	0	0	0	0	0	1	0	0	0	1
PCDHGC5	0	0	0	0	0	0	1	0	0	0	1
IKZF1	0	0	0	0	0	0	1	0	0	0	1
MYCL1	0	0	0	0	0	0	1	0	0	0	1
EGR4	0	0	0	0	0	0	1	0	0	0	1

RAP1GAP	0	0	0	0	0	0	1	0	0	0	1
F7	0	0	0	0	0	0	1	0	0	0	1
TPM3	0	0	0	0	0	0	1	0	0	0	1
XPC	0	0	0	0	0	0	1	0	0	0	1
TACSTD2	0	0	0	0	0	0	1	0	0	0	1
AQP11	0	0	0	0	0	0	1	0	0	0	1
EPHB3	0	0	0	0	0	0	1	0	0	0	1
TMEM39A	0	0	0	0	0	0	1	0	0	0	1
KLF10	0	0	0	0	0	0	1	0	0	0	1
ICAM1	0	0	0	0	0	0	1	0	0	0	1
SYT13	0	0	0	0	0	0	1	0	0	0	1
FLJ21865	0	0	0	0	0	0	1	0	0	0	1
CCDC13	0	0	0	0	0	0	1	0	0	0	1
NAT9	0	0	0	0	0	0	1	0	0	0	1
CAPN3	0	0	0	0	0	0	1	0	0	0	1
C13orf33	0	0	0	0	0	0	1	0	0	0	1
HN1	0	0	0	0	0	0	1	0	0	0	1
ITFG1	0	0	0	0	0	0	1	0	0	0	1
COMMD3	0	0	0	0	0	0	1	0	0	0	1
RNF122	0	0	0	0	0	0	1	0	0	0	1
PARL	0	0	0	0	0	0	1	0	0	0	1
C20orf107	0	0	0	0	0	0	1	0	0	0	1
GAS2L1	0	0	0	0	0	0	1	0	0	0	1
C2orf44	0	0	0	0	0	0	1	0	0	0	1
LUM	0	0	0	0	0	0	1	0	0	0	1
ADAMTS16	0	0	0	0	0	0	1	0	0	0	1
OMD	0	0	0	0	0	0	1	0	0	0	1
TERF2IP	0	0	0	0	0	0	1	0	0	0	1
ZNF783	0	0	0	0	0	0	1	0	0	0	1
FIGF	0	0	0	0	0	0	1	0	0	0	1
SSX1	0	0	0	0	0	0	1	0	0	0	1
C7orf49	0	0	0	0	0	0	1	0	0	0	1
TNRC6A	0	0	0	0	0	0	1	0	0	0	1
SAPS1	0	0	0	0	0	0	1	0	0	0	1
ZNF763	0	0	0	0	0	0	1	0	0	0	1
MBL2	0	0	0	0	0	0	1	0	0	0	1
IHH	0	0	0	0	0	0	1	0	0	0	1
ATCAY	0	0	0	0	0	0	1	0	0	0	1
RFFL	0	0	0	0	0	0	1	0	0	0	1
SLCO2A1	0	0	0	0	0	0	1	0	0	0	1
KIAA0495	0	0	0	0	0	0	1	0	0	0	1

NF2	0	0	0	0	0	0	1	0	0	0	1
CRAMP1L	0	0	0	0	0	0	1	0	0	0	1
TERT	0	0	0	0	0	0	1	0	0	0	1
SLC27A1	0	0	0	0	0	0	1	0	0	0	1
GRB2	0	0	0	0	0	0	1	0	0	0	1
KIAA1305	0	0	0	0	0	0	1	0	0	0	1
RND2	0	0	0	0	0	0	1	0	0	0	1
STAT2	0	0	0	0	0	0	1	0	0	0	1
MTA2	0	0	0	0	0	0	1	0	0	0	1
TNFAIP3	0	0	0	0	0	0	1	0	0	0	1
KCTD17	0	0	0	0	0	0	1	0	0	0	1
C21orf29	0	0	0	0	0	0	1	0	0	0	1
NDUFA6	0	0	0	0	0	0	1	0	0	0	1
SEC24D	0	0	0	0	0	0	1	0	0	0	1
SNRK	0	0	0	0	0	0	1	0	0	0	1
C19orf52	0	0	0	0	0	0	1	0	0	0	1
RELT	0	0	0	0	0	0	1	0	0	0	1
MPEG1	0	0	0	0	0	0	1	0	0	0	1
BTNL8	0	0	0	0	0	0	1	0	0	0	1
HNRPM	0	0	0	0	0	0	1	0	0	0	1
PPFIA4	0	0	0	0	0	0	1	0	0	0	1
PRR12	0	0	0	0	0	0	1	0	0	0	1
BXDC5	0	0	0	0	0	0	1	0	0	0	1
C14orf147	0	0	0	0	0	0	1	0	0	0	1
CPLX2	0	0	0	0	0	0	1	0	0	0	1
SH3BGRL	0	0	0	0	0	0	1	0	0	0	1
BGLAP	0	0	0	0	0	0	1	0	0	0	1
TUBB1	0	0	0	0	0	0	1	0	0	0	1
PTBP1	0	0	0	0	0	0	1	0	0	0	1
PLAC4	0	0	0	0	0	0	1	0	0	0	1
TARS2	0	0	0	0	0	0	1	0	0	0	1
GPATCH4	0	0	0	0	0	0	1	0	0	0	1
BTN3A3	0	0	0	0	0	0	1	0	0	0	1
KLF16	0	0	0	0	0	0	1	0	0	0	1
P11	0	0	0	0	0	0	1	0	0	0	1
NFASC	0	0	0	0	0	0	1	0	0	0	1
TMEM8	0	0	0	0	0	0	1	0	0	0	1
VPS18	0	0	0	0	0	0	1	0	0	0	1
DEDD2	0	0	0	0	0	0	1	0	0	0	1
VPS11	0	0	0	0	0	0	1	0	0	0	1
ODAM	0	0	0	0	0	0	1	0	0	0	1

HNT	0	0	0	0	0	0	1	0	0	0	1
FAM53C	0	0	0	0	0	0	1	0	0	0	1
AARS2	0	0	0	0	0	0	1	0	0	0	1
C14orf105	0	0	0	0	0	0	1	0	0	0	1
POLD3	0	0	0	0	0	0	1	0	0	0	1
C5orf24	0	0	0	0	0	0	1	0	0	0	1
GFI1	0	0	0	0	0	0	1	0	0	0	1
AFAP1L2	0	0	0	0	0	0	1	0	0	0	1
PPCDC	0	0	0	0	0	0	1	0	0	0	1
EDARADD	0	0	0	0	0	0	1	0	0	0	1
MGC16385	0	0	0	0	0	0	1	0	0	0	1
MTP18	0	0	0	0	0	0	1	0	0	0	1
GNAI2	0	0	0	0	0	0	1	0	0	0	1
MMD2	0	0	0	0	0	0	1	0	0	0	1
BEST1	0	0	0	0	0	0	1	0	0	0	1
NFATC3	0	0	0	0	0	0	1	0	0	0	1
SGCG	0	0	0	0	0	0	1	0	0	0	1
TBC1D24	0	0	0	0	0	0	1	0	0	0	1
PLA2G3	0	0	0	0	0	0	1	0	0	0	1
MAPK10	0	0	0	0	0	0	1	0	0	0	1
SUMF2	0	0	0	0	0	0	1	0	0	0	1
TNK2	0	0	0	0	0	0	1	0	0	0	1
SEMA3F	0	0	0	0	0	0	1	0	0	0	1
GTPBP4	0	0	0	0	0	0	1	0	0	0	1
PHF23	0	0	0	0	0	0	1	0	0	0	1
LOC51057	0	0	0	0	0	0	1	0	0	0	1
ETNK2	0	0	0	0	0	0	1	0	0	0	1
C16orf5	0	0	0	0	0	0	1	0	0	0	1
FXR2	0	0	0	0	0	0	1	0	0	0	1
SIGLEC11	0	0	0	0	0	0	1	0	0	0	1
LRRC7	0	0	0	0	0	0	1	0	0	0	1
THSD7A	0	0	0	0	0	0	1	0	0	0	1
SCNN1G	0	0	0	0	0	0	1	0	0	0	1
C11orf68	0	0	0	0	0	0	1	0	0	0	1
DSCAM	0	0	0	0	0	0	1	0	0	0	1
LOC401052	0	0	0	0	0	0	1	0	0	0	1
CD209	0	0	0	0	0	0	1	0	0	0	1
ORC5L	0	0	0	0	0	0	1	0	0	0	1
PPP3CA	0	0	0	0	0	0	1	0	0	0	1
C9orf125	0	0	0	0	0	0	1	0	0	0	1
NHLH1	0	0	0	0	0	0	1	0	0	0	1

CHD1L	0	0	0	0	0	0	1	0	0	0	1
BRF1	0	0	0	0	0	0	1	0	0	0	1
ETV5	0	0	0	0	0	0	1	0	0	0	1
FIBP	0	0	0	0	0	0	1	0	0	0	1
FAM134A	0	0	0	0	0	0	1	0	0	0	1
ECHDC1	0	0	0	0	0	0	1	0	0	0	1
YME1L1	0	0	0	0	0	0	1	0	0	0	1
SLC7A5	0	0	0	0	0	0	1	0	0	0	1
CR2	0	0	0	0	0	0	1	0	0	0	1
KRT85	0	0	0	0	0	0	1	0	0	0	1
SSTR1	0	0	0	0	0	0	1	0	0	0	1
ARID4A	0	0	0	0	0	0	1	0	0	0	1
CEP55	0	0	0	0	0	0	1	0	0	0	1
ARF4	0	0	0	0	0	0	1	0	0	0	1
PELI2	0	0	0	0	0	0	1	0	0	0	1
APOL2	0	0	0	0	0	0	1	0	0	0	1
BTN3A2	0	0	0	0	0	0	1	0	0	0	1
SYT12	0	0	0	0	0	0	1	0	0	0	1
CCDC49	0	0	0	0	0	0	1	0	0	0	1
UXS1	0	0	0	0	0	0	1	0	0	0	1
ZNF235	0	0	0	0	0	0	1	0	0	0	1
TCEB3B	0	0	0	0	0	0	1	0	0	0	1
TMBIM1	0	0	0	0	0	0	1	0	0	0	1
C17orf62	0	0	0	0	0	0	1	0	0	0	1
FNTA	0	0	0	0	0	0	1	0	0	0	1
FOXI1	0	0	0	0	0	0	1	0	0	0	1
DAP	0	0	0	0	0	0	1	0	0	0	1
ZNF304	0	0	0	0	0	0	1	0	0	0	1
ANKS6	0	0	0	0	0	0	1	0	0	0	1
SFRS2	0	0	0	0	0	0	1	0	0	0	1
SLC41A1	0	0	0	0	0	0	1	0	0	0	1
TPR	0	0	0	0	0	0	1	0	0	0	1
PDS5A	0	0	0	0	0	0	1	0	0	0	1
FAT2	0	0	0	0	0	0	1	0	0	0	1
NODAL	0	0	0	0	0	0	1	0	0	0	1
SAP30	0	0	0	0	0	0	1	0	0	0	1
ZNF596	0	0	0	0	0	0	1	0	0	0	1
CCDC77	0	0	0	0	0	0	1	0	0	0	1
AIG1	0	0	0	0	0	0	1	0	0	0	1
ZNF146	0	0	0	0	0	0	1	0	0	0	1
SFPQ	0	0	0	0	0	0	1	0	0	0	1

RBM12	0	0	0	0	0	0	1	0	0	0	1
PACS1	0	0	0	0	0	0	1	0	0	0	1
C20orf11	0	0	0	0	0	0	1	0	0	0	1
GPR115	0	0	0	0	0	0	1	0	0	0	1
ACTG1	0	0	0	0	0	0	1	0	0	0	1
CLDN2	0	0	0	0	0	0	1	0	0	0	1
PRKAR1B	0	0	0	0	0	0	1	0	0	0	1
IL18	0	0	0	0	0	0	1	0	0	0	1
PCDH21	0	0	0	0	0	0	1	0	0	0	1
ASB9	0	0	0	0	0	0	1	0	0	0	1
PCDHGB5	0	0	0	0	0	0	1	0	0	0	1
MAP3K7	0	0	0	0	0	0	1	0	0	0	1
PNPLA1	0	0	0	0	0	0	1	0	0	0	1
LRRC3	0	0	0	0	0	0	1	0	0	0	1
TMEM98	0	0	0	0	0	0	1	0	0	0	1
SEPT9	0	0	0	0	0	0	1	0	0	0	1
PEX11B	0	0	0	0	0	0	1	0	0	0	1
IL22	0	0	0	0	0	0	1	0	0	0	1
TRMT6	0	0	0	0	0	0	1	0	0	0	1
ZNF324B	0	0	0	0	0	0	1	0	0	0	1
C17orf85	0	0	0	0	0	0	1	0	0	0	1
FLJ20184	0	0	0	0	0	0	1	0	0	0	1
KIFC2	0	0	0	0	0	0	1	0	0	0	1
FTO	0	0	0	0	0	0	1	0	0	0	1
GPR45	0	0	0	0	0	0	1	0	0	0	1
DGAT2	0	0	0	0	0	0	1	0	0	0	1
FAM19A1	0	0	0	0	0	0	1	0	0	0	1
FBXL19	0	0	0	0	0	0	1	0	0	0	1
FGD6	0	0	0	0	0	0	1	0	0	0	1
SLC1A7	0	0	0	0	0	0	1	0	0	0	1
TMEM10	0	0	0	0	0	0	1	0	0	0	1
LIPH	0	0	0	0	0	0	1	0	0	0	1
PON1	0	0	0	0	0	0	1	0	0	0	1
LILRB2	0	0	0	0	0	0	1	0	0	0	1
MBD3	0	0	0	0	0	0	1	0	0	0	1
MYLK2	0	0	0	0	0	0	1	0	0	0	1
MB	0	0	0	0	0	0	1	0	0	0	1
TSKU	0	0	0	0	0	0	1	0	0	0	1
ZNF137	0	0	0	0	0	0	1	0	0	0	1
RAB36	0	0	0	0	0	0	1	0	0	0	1
TBX5	0	0	0	0	0	0	1	0	0	0	1

NUAK1	0	0	0	0	0	0	1	0	0	0	1
PDE4C	0	0	0	0	0	0	1	0	0	0	1
TUSC1	0	0	0	0	0	0	1	0	0	0	1
SPCS3	0	0	0	0	0	0	1	0	0	0	1
S100A16	0	0	0	0	0	0	1	0	0	0	1
PRAMEF12	0	0	0	0	0	0	1	0	0	0	1
POR	0	0	0	0	0	0	1	0	0	0	1
GPRASP1	0	0	0	0	0	0	1	0	0	0	1
TRIM48	0	0	0	0	0	0	1	0	0	0	1
NUDT11	0	0	0	0	0	0	1	0	0	0	1
C1orf150	0	0	0	0	0	0	1	0	0	0	1
CRTC1	0	0	0	0	0	0	1	0	0	0	1
EVC	0	0	0	0	0	0	1	0	0	0	1
MYOT	0	0	0	0	0	0	1	0	0	0	1
ELFN2	0	0	0	0	0	0	1	0	0	0	1
TXNDC6	0	0	0	0	0	0	1	0	0	0	1
TOMM40L	0	0	0	0	0	0	1	0	0	0	1
MLZE	0	0	0	0	0	0	1	0	0	0	1
PCDHGB7	0	0	0	0	0	0	1	0	0	0	1
CLCNKB	0	0	0	0	0	0	1	0	0	0	1
UBE2D2	0	0	0	0	0	0	1	0	0	0	1
ADORA3	0	0	0	0	0	0	1	0	0	0	1
HTR2A	0	0	0	0	0	0	1	0	0	0	1
MGMT	0	0	0	0	0	0	1	0	0	0	1
TMEM189	0	0	0	0	0	0	1	0	0	0	1
ALS2CL	0	0	0	0	0	0	1	0	0	0	1
MATN1	0	0	0	0	0	0	1	0	0	0	1
INA	0	0	0	0	0	0	1	0	0	0	1
TCL1B	0	0	0	0	0	0	1	0	0	0	1
GALNT13	0	0	0	0	0	0	1	0	0	0	1
TRIM11	0	0	0	0	0	0	1	0	0	0	1
PDK2	0	0	0	0	0	0	1	0	0	0	1
SUV39H2	0	0	0	0	0	0	1	0	0	0	1
PCDHGC4	0	0	0	0	0	0	1	0	0	0	1
TMOD1	0	0	0	0	0	0	1	0	0	0	1
MAF1	0	0	0	0	0	0	1	0	0	0	1
SP140	0	0	0	0	0	0	1	0	0	0	1
WIPI2	0	0	0	0	0	0	1	0	0	0	1
RGS14	0	0	0	0	0	0	1	0	0	0	1
AXUD1	0	0	0	0	0	0	1	0	0	0	1
OPCML	0	0	0	0	0	0	1	0	0	0	1

PSMA8	0	0	0	0	0	0	1	0	0	0	1
ATP6V0E2	0	0	0	0	0	0	1	0	0	0	1
ACCS	0	0	0	0	0	0	1	0	0	0	1
TBC1D12	0	0	0	0	0	0	1	0	0	0	1
KIAA1539	0	0	0	0	0	0	1	0	0	0	1
UBE2L6	0	0	0	0	0	0	1	0	0	0	1
MYT1L	0	0	0	0	0	0	1	0	0	0	1
HACE1	0	0	0	0	0	0	1	0	0	0	1
C19orf44	0	0	0	0	0	0	1	0	0	0	1
ANKRD13A	0	0	0	0	0	0	1	0	0	0	1
TEX14	0	0	0	0	0	0	1	0	0	0	1
ARFGAP1	0	0	0	0	0	0	1	0	0	0	1
SLC39A9	0	0	0	0	0	0	1	0	0	0	1
GP6	0	0	0	0	0	0	1	0	0	0	1
FAM82A	0	0	0	0	0	0	1	0	0	0	1
ZNF526	0	0	0	0	0	0	1	0	0	0	1
ARHGEF4	0	0	0	0	0	0	1	0	0	0	1
CD3E	0	0	0	0	0	0	1	0	0	0	1
CCDC98	0	0	0	0	0	0	1	0	0	0	1
ZNF671	0	0	0	0	0	0	1	0	0	0	1
RPS3	0	0	0	0	0	0	1	0	0	0	1
PTPN11	0	0	0	0	0	0	1	0	0	0	1
TTC22	0	0	0	0	0	0	1	0	0	0	1
APOL3	0	0	0	0	0	0	1	0	0	0	1
AGTRL1	0	0	0	0	0	0	1	0	0	0	1
C20orf75	0	0	0	0	0	0	1	0	0	0	1
TMEM117	0	0	0	0	0	0	1	0	0	0	1
CIRBP	0	0	0	0	0	0	1	0	0	0	1
PDPN	0	0	0	0	0	0	1	0	0	0	1
SATB2	0	0	0	0	0	0	1	0	0	0	1
C15orf41	0	0	0	0	0	0	1	0	0	0	1
KCNAB1	0	0	0	0	0	0	1	0	0	0	1
SCCPDH	0	0	0	0	0	0	1	0	0	0	1
ARHGAP24	0	0	0	0	0	0	1	0	0	0	1
GNAS	0	0	0	0	0	0	1	0	0	0	1
KCNV1	0	0	0	0	0	0	1	0	0	0	1
RNF150	0	0	0	0	0	0	1	0	0	0	1
L3MBTL2	0	0	0	0	0	0	1	0	0	0	1
FAM129B	0	0	0	0	0	0	1	0	0	0	1
DOCK1	0	0	0	0	0	0	1	0	0	0	1
ELOVL7	0	0	0	0	0	0	1	0	0	0	1

FAM19A4	0	0	0	0	0	0	1	0	0	0	1
SOX30	0	0	0	0	0	0	1	0	0	0	1
MAP7D1	0	0	0	0	0	0	1	0	0	0	1
AURKA	0	0	0	0	0	0	1	0	0	0	1
SLC6A8	0	0	0	0	0	0	1	0	0	0	1
SLC6A12	0	0	0	0	0	0	1	0	0	0	1
GATAD1	0	0	0	0	0	0	1	0	0	0	1
PPP1R8	0	0	0	0	0	0	1	0	0	0	1
B3GAT1	0	0	0	0	0	0	1	0	0	0	1
MYLIP	0	0	0	0	0	0	1	0	0	0	1
PSMB5	0	0	0	0	0	0	1	0	0	0	1
TBC1D9B	0	0	0	0	0	0	1	0	0	0	1
CBLN3	0	0	0	0	0	0	1	0	0	0	1
EIF1AD	0	0	0	0	0	0	1	0	0	0	1
NGB	0	0	0	0	0	0	1	0	0	0	1
LOC93349	0	0	0	0	0	0	1	0	0	0	1
ZNF337	0	0	0	0	0	0	1	0	0	0	1
PITRM1	0	0	0	0	0	0	1	0	0	0	1
TCF25	0	0	0	0	0	0	1	0	0	0	1
TMEM198	0	0	0	0	0	0	1	0	0	0	1
SCUBE2	0	0	0	0	0	0	1	0	0	0	1
FCRLB	0	0	0	0	0	0	1	0	0	0	1
ATP5J	0	0	0	0	0	0	1	0	0	0	1
ETV1	0	0	0	0	0	0	1	0	0	0	1
PRPF38B	0	0	0	0	0	0	1	0	0	0	1
FIS1	0	0	0	0	0	0	1	0	0	0	1
SDK2	0	0	0	0	0	0	1	0	0	0	1
ANXA13	0	0	0	0	0	0	1	0	0	0	1
REN	0	0	0	0	0	0	1	0	0	0	1
ZFP37	0	0	0	0	0	0	1	0	0	0	1
PRAGMIN	0	0	0	0	0	0	1	0	0	0	1
MEGF8	0	0	0	0	0	0	1	0	0	0	1
RGS20	0	0	0	0	0	0	1	0	0	0	1
CALCOCO2	0	0	0	0	0	0	1	0	0	0	1
DYRK3	0	0	0	0	0	0	1	0	0	0	1
KLHDC1	0	0	0	0	0	0	1	0	0	0	1
SYS1	0	0	0	0	0	0	1	0	0	0	1
NUB1	0	0	0	0	0	0	1	0	0	0	1
SPOP	0	0	0	0	0	0	1	0	0	0	1
KNCN	0	0	0	0	0	0	1	0	0	0	1
SAE1	0	0	0	0	0	0	1	0	0	0	1

PKP1	0	0	0	0	0	0	1	0	0	0	1
RCC2	0	0	0	0	0	0	1	0	0	0	1
LOC402665	0	0	0	0	0	0	1	0	0	0	1
SHCBP1	0	0	0	0	0	0	1	0	0	0	1
GLUD2	0	0	0	0	0	0	1	0	0	0	1
ELOF1	0	0	0	0	0	0	1	0	0	0	1
C9orf32	0	0	0	0	0	0	1	0	0	0	1
HNRPAB	0	0	0	0	0	0	1	0	0	0	1
MRPS33	0	0	0	0	0	0	1	0	0	0	1
SLC41A3	0	0	0	0	0	0	1	0	0	0	1
NGEF	0	0	0	0	0	0	1	0	0	0	1
ADAMTSL3	0	0	0	0	0	0	1	0	0	0	1
FRMD4B	0	0	0	0	0	0	1	0	0	0	1
IL2RA	0	0	0	0	0	0	1	0	0	0	1
TBX19	0	0	0	0	0	0	1	0	0	0	1
C11orf72	0	0	0	0	0	0	1	0	0	0	1
TPCN2	0	0	0	0	0	0	1	0	0	0	1
HSD3B7	0	0	0	0	0	0	1	0	0	0	1
ARHGAP9	0	0	0	0	0	0	1	0	0	0	1
ADCYAP1	0	0	0	0	0	0	1	0	0	0	1
PRDM7	0	0	0	0	0	0	1	0	0	0	1
EMILIN3	0	0	0	0	0	0	1	0	0	0	1
RPP14	0	0	0	0	0	0	1	0	0	0	1
ENOPH1	0	0	0	0	0	0	1	0	0	0	1
RIOK1	0	0	0	0	0	0	1	0	0	0	1
PECAM1	0	0	0	0	0	0	1	0	0	0	1
STARD7	0	0	0	0	0	0	1	0	0	0	1
PTGDS	0	0	0	0	0	0	1	0	0	0	1
AP2A1	0	0	0	0	0	0	1	0	0	0	1
IVL	0	0	0	0	0	0	1	0	0	0	1
UBFD1	0	0	0	0	0	0	1	0	0	0	1
LANCL1	0	0	0	0	0	0	1	0	0	0	1
LOC728215	0	0	0	0	0	0	1	0	0	0	1
TAOK3	0	0	0	0	0	0	1	0	0	0	1
ADAM32	0	0	0	0	0	0	1	0	0	0	1
RAB3A	0	0	0	0	0	0	1	0	0	0	1
STK40	0	0	0	0	0	0	1	0	0	0	1
PDLIM4	0	0	0	0	0	0	1	0	0	0	1
VPS8	0	0	0	0	0	0	1	0	0	0	1
ABHD2	0	0	0	0	0	0	1	0	0	0	1
PNCK	0	0	0	0	0	0	1	0	0	0	1

PMP2	0	0	0	0	0	0	1	0	0	0	1
FNBP1L	0	0	0	0	0	0	1	0	0	0	1
ADCY3	0	0	0	0	0	0	1	0	0	0	1
ELL	0	0	0	0	0	0	1	0	0	0	1
DCLRE1A	0	0	0	0	0	0	1	0	0	0	1
CCDC97	0	0	0	0	0	0	1	0	0	0	1
HDAC11	0	0	0	0	0	0	1	0	0	0	1
FLJ36031	0	0	0	0	0	0	1	0	0	0	1
KIAA0368	0	0	0	0	0	0	1	0	0	0	1
PIF1	0	0	0	0	0	0	1	0	0	0	1
CD300C	0	0	0	0	0	0	1	0	0	0	1
LPO	0	0	0	0	0	0	1	0	0	0	1
MRPL10	0	0	0	0	0	0	1	0	0	0	1
ZNF107	0	0	0	0	0	0	1	0	0	0	1
BHLHB9	0	0	0	0	0	0	1	0	0	0	1
CSRP2BP	0	0	0	0	0	0	1	0	0	0	1
RHEBL1	0	0	0	0	0	0	1	0	0	0	1
TBX22	0	0	0	0	0	0	1	0	0	0	1
TAC4	0	0	0	0	0	0	1	0	0	0	1
FBXL7	0	0	0	0	0	0	1	0	0	0	1
CLEC2D	0	0	0	0	0	0	1	0	0	0	1
FUNDC1	0	0	0	0	0	0	1	0	0	0	1
NETO2	0	0	0	0	0	0	1	0	0	0	1
VENTX	0	0	0	0	0	0	1	0	0	0	1
HOXC4	0	0	0	0	0	0	1	0	0	0	1
KIAA1967	0	0	0	0	0	0	1	0	0	0	1
RCCD1	0	0	0	0	0	0	1	0	0	0	1
HIF3A	0	0	0	0	0	0	1	0	0	0	1
ABL1	0	0	0	0	0	0	1	0	0	0	1
PIGH	0	0	0	0	0	0	1	0	0	0	1
TNKS2	0	0	0	0	0	0	1	0	0	0	1
COPZ1	0	0	0	0	0	0	1	0	0	0	1
LOC400506	0	0	0	0	0	0	1	0	0	0	1
SEPHS1	0	0	0	0	0	0	1	0	0	0	1
ZNF710	0	0	0	0	0	0	1	0	0	0	1
DCP1B	0	0	0	0	0	0	1	0	0	0	1
IL13	0	0	0	0	0	0	1	0	0	0	1
LOC201164	0	0	0	0	0	0	1	0	0	0	1
KLK10	0	0	0	0	0	0	1	0	0	0	1
C17orf28	0	0	0	0	0	0	1	0	0	0	1
CECR5	0	0	0	0	0	0	1	0	0	0	1

ZER1	0	0	0	0	0	0	1	0	0	0	1
LY9	0	0	0	0	0	0	1	0	0	0	1
KIF21B	0	0	0	0	0	0	1	0	0	0	1
C15orf39	0	0	0	0	0	0	1	0	0	0	1
SLC6A16	0	0	0	0	0	0	1	0	0	0	1
ACTR5	0	0	0	0	0	0	1	0	0	0	1
TMBIM4	0	0	0	0	0	0	1	0	0	0	1
PACSIN1	0	0	0	0	0	0	1	0	0	0	1
LSS	0	0	0	0	0	0	1	0	0	0	1
ABR	0	0	0	0	0	0	1	0	0	0	1
CD274	0	0	0	0	0	0	1	0	0	0	1
SLMO1	0	0	0	0	0	0	1	0	0	0	1
PHF13	0	0	0	0	0	0	1	0	0	0	1
GALNT11	0	0	0	0	0	0	1	0	0	0	1
PAIP2	0	0	0	0	0	0	1	0	0	0	1
FOXN3	0	0	0	0	0	0	1	0	0	0	1
SLC25A42	0	0	0	0	0	0	1	0	0	0	1
COQ5	0	0	0	0	0	0	1	0	0	0	1
PVRIG	0	0	0	0	0	0	1	0	0	0	1
UCHL1	0	0	0	0	0	0	1	0	0	0	1
SH3PXD2A	0	0	0	0	0	0	1	0	0	0	1
WWP2	0	0	0	0	0	0	1	0	0	0	1
ADPRHL2	0	0	0	0	0	0	1	0	0	0	1
C8A	0	0	0	0	0	0	1	0	0	0	1
TIFAB	0	0	0	0	0	0	1	0	0	0	1
C9orf16	0	0	0	0	0	0	1	0	0	0	1
STARD8	0	0	0	0	0	0	1	0	0	0	1
SMEK1	0	0	0	0	0	0	1	0	0	0	1
TARBP2	0	0	0	0	0	0	1	0	0	0	1
MAL	0	0	0	0	0	0	1	0	0	0	1
SLCO1B3	0	0	0	0	0	0	1	0	0	0	1
CCDC12	0	0	0	0	0	0	1	0	0	0	1
RNF139	0	0	0	0	0	0	1	0	0	0	1
COL15A1	0	0	0	0	0	0	1	0	0	0	1
SPN	0	0	0	0	0	0	1	0	0	0	1
TLR7	0	0	0	0	0	0	1	0	0	0	1
KIAA0355	0	0	0	0	0	0	1	0	0	0	1
FRMD4A	0	0	0	0	0	0	1	0	0	0	1
POLR2J	0	0	0	0	0	0	1	0	0	0	1
KIAA0319L	0	0	0	0	0	0	1	0	0	0	1
CTTN	0	0	0	0	0	0	1	0	0	0	1

IRF2BP2	0	0	0	0	0	0	1	0	0	0	1
ABAT	0	0	0	0	0	0	1	0	0	0	1
POU3F1	0	0	0	0	0	0	1	0	0	0	1
PRNT	0	0	0	0	0	0	1	0	0	0	1
FOXQ1	0	0	0	0	0	0	1	0	0	0	1
ALAD	0	0	0	0	0	0	1	0	0	0	1
HNRPH2	0	0	0	0	0	0	1	0	0	0	1
POLA2	0	0	0	0	0	0	1	0	0	0	1
TRAPPC2	0	0	0	0	0	0	1	0	0	0	1
DHRS13	0	0	0	0	0	0	1	0	0	0	1
WDFY2	0	0	0	0	0	0	1	0	0	0	1
SVEP1	0	0	0	0	0	0	1	0	0	0	1
C9orf163	0	0	0	0	0	0	1	0	0	0	1
VNN1	0	0	0	0	0	0	1	0	0	0	1
C14orf130	0	0	0	0	0	0	1	0	0	0	1
CCDC59	0	0	0	0	0	0	1	0	0	0	1
VAT1	0	0	0	0	0	0	1	0	0	0	1
ACTR8	0	0	0	0	0	0	1	0	0	0	1
TSPYL6	0	0	0	0	0	0	1	0	0	0	1
USP43	0	0	0	0	0	0	1	0	0	0	1
PDE4B	0	0	0	0	0	0	1	0	0	0	1
C2orf52	0	0	0	0	0	0	1	0	0	0	1
EDG8	0	0	0	0	0	0	1	0	0	0	1
SLC2A2	0	0	0	0	0	0	1	0	0	0	1
KBTBD5	0	0	0	0	0	0	1	0	0	0	1
VPS26B	0	0	0	0	0	0	1	0	0	0	1
SLC30A2	0	0	0	0	0	0	1	0	0	0	1
IHPK2	0	0	0	0	0	0	1	0	0	0	1
ZFYVE1	0	0	0	0	0	0	1	0	0	0	1
ZNF233	0	0	0	0	0	0	1	0	0	0	1
RBM9	0	0	0	0	0	0	1	0	0	0	1
PCSK9	0	0	0	0	0	0	1	0	0	0	1
GOLSYN	0	0	0	0	0	0	1	0	0	0	1
BTBD9	0	0	0	0	0	0	1	0	0	0	1
CPA1	0	0	0	0	0	0	1	0	0	0	1
DEGS2	0	0	0	0	0	0	1	0	0	0	1
ZNF614	0	0	0	0	0	0	1	0	0	0	1
G6PC2	0	0	0	0	0	0	1	0	0	0	1
FMOD	0	0	0	0	0	0	1	0	0	0	1
HARS2	0	0	0	0	0	0	1	0	0	0	1
SCAMP5	0	0	0	0	0	0	1	0	0	0	1

SMYD4	0	0	0	0	0	0	1	0	0	0	1
UMODL1	0	0	0	0	0	0	1	0	0	0	1
LARS2	0	0	0	0	0	0	1	0	0	0	1
PDILT	0	0	0	0	0	0	1	0	0	0	1
USP48	0	0	0	0	0	0	1	0	0	0	1
C8orf46	0	0	0	0	0	0	1	0	0	0	1
DAP3	0	0	0	0	0	0	1	0	0	0	1
NECAB3	0	0	0	0	0	0	1	0	0	0	1
ATP6V0C	0	0	0	0	0	0	1	0	0	0	1
RAB31	0	0	0	0	0	0	1	0	0	0	1
TOR2A	0	0	0	0	0	0	1	0	0	0	1
TMC7	0	0	0	0	0	0	1	0	0	0	1
GPM6B	0	0	0	0	0	0	1	0	0	0	1
LITAF	0	0	0	0	0	0	1	0	0	0	1
MIF4GD	0	0	0	0	0	0	1	0	0	0	1
GPAA1	0	0	0	0	0	0	1	0	0	0	1
RAC2	0	0	0	0	0	0	1	0	0	0	1
JUB	0	0	0	0	0	0	1	0	0	0	1
GLOD4	0	0	0	0	0	0	1	0	0	0	1
ZMYM6	0	0	0	0	0	0	1	0	0	0	1
CCDC44	0	0	0	0	0	0	1	0	0	0	1
HDAC2	0	0	0	0	0	0	1	0	0	0	1
TRIM24	0	0	0	0	0	0	1	0	0	0	1
SEC23B	0	0	0	0	0	0	1	0	0	0	1
GGNBP2	0	0	0	0	0	0	1	0	0	0	1
KRTAP5-9	0	0	0	0	0	0	1	0	0	0	1
MAPKAP1	0	0	0	0	0	0	1	0	0	0	1
PRX	0	0	0	0	0	0	1	0	0	0	1
ARL15	0	0	0	0	0	0	1	0	0	0	1
CNR2	0	0	0	0	0	0	1	0	0	0	1
GLI3	0	0	0	0	0	0	1	0	0	0	1
TMEM25	0	0	0	0	0	0	1	0	0	0	1
DUSP8	0	0	0	0	0	0	1	0	0	0	1
CEP78	0	0	0	0	0	0	1	0	0	0	1
BTN2A2	0	0	0	0	0	0	1	0	0	0	1
TREML2	0	0	0	0	0	0	1	0	0	0	1
TMC1	0	0	0	0	0	0	1	0	0	0	1
ZFP3	0	0	0	0	0	0	1	0	0	0	1
KIF7	0	0	0	0	0	0	1	0	0	0	1
C7orf54	0	0	0	0	0	0	1	0	0	0	1
STK11IP	0	0	0	0	0	0	1	0	0	0	1

CDCA8	0	0	0	0	0	0	1	0	0	0	1
MMS19	0	0	0	0	0	0	1	0	0	0	1
ALDOB	0	0	0	0	0	0	1	0	0	0	1
TCHP	0	0	0	0	0	0	1	0	0	0	1
MGLL	0	0	0	0	0	0	1	0	0	0	1
ODF3L1	0	0	0	0	0	0	1	0	0	0	1
SPATA8	0	0	0	0	0	0	1	0	0	0	1
TRMT11	0	0	0	0	0	0	1	0	0	0	1
NKX3-1	0	0	0	0	0	0	1	0	0	0	1
STIL	0	0	0	0	0	0	1	0	0	0	1
GCET2	0	0	0	0	0	0	1	0	0	0	1
UPF3A	0	0	0	0	0	0	1	0	0	0	1
TCF19	0	0	0	0	0	0	1	0	0	0	1
SMARCC1	0	0	0	0	0	0	1	0	0	0	1
ORC4L	0	0	0	0	0	0	1	0	0	0	1
ARCN1	0	0	0	0	0	0	1	0	0	0	1
HHIPL2	0	0	0	0	0	0	1	0	0	0	1
ESRRB	0	0	0	0	0	0	1	0	0	0	1
C3orf60	0	0	0	0	0	0	1	0	0	0	1
RBM15B	0	0	0	0	0	0	1	0	0	0	1
ACTR1A	0	0	0	0	0	0	1	0	0	0	1
JMJD2B	0	0	0	0	0	0	1	0	0	0	1
RASGRP3	0	0	0	0	0	0	1	0	0	0	1
TMEM44	0	0	0	0	0	0	1	0	0	0	1
C3orf32	0	0	0	0	0	0	1	0	0	0	1
ITK	0	0	0	0	0	0	1	0	0	0	1
GIMAP4	0	0	0	0	0	0	1	0	0	0	1
C16orf35	0	0	0	0	0	0	1	0	0	0	1
PIGY	0	0	0	0	0	0	1	0	0	0	1
POP7	0	0	0	0	0	0	1	0	0	0	1
NADK	0	0	0	0	0	0	1	0	0	0	1
ZNF323	0	0	0	0	0	0	1	0	0	0	1
TTC3	0	0	0	0	0	0	1	0	0	0	1
TDP1	0	0	0	0	0	0	1	0	0	0	1
SNX21	0	0	0	0	0	0	1	0	0	0	1
BZRAP1	0	0	0	0	0	0	1	0	0	0	1
PMVK	0	0	0	0	0	0	1	0	0	0	1
CDH15	0	0	0	0	0	0	1	0	0	0	1
TMCO4	0	0	0	0	0	0	1	0	0	0	1
METTL4	0	0	0	0	0	0	1	0	0	0	1
PSCD3	0	0	0	0	0	0	1	0	0	0	1

CPLX3	0	0	0	0	0	0	1	0	0	0	1
GDF5	0	0	0	0	0	0	1	0	0	0	1
C16orf80	0	0	0	0	0	0	1	0	0	0	1
MAOB	0	0	0	0	0	0	1	0	0	0	1
TSEN34	0	0	0	0	0	0	1	0	0	0	1
PITPNM2	0	0	0	0	0	0	1	0	0	0	1
ICOS	0	0	0	0	0	0	1	0	0	0	1
FOXA1	0	0	0	0	0	0	1	0	0	0	1
TSPAN3	0	0	0	0	0	0	1	0	0	0	1
SRPRB	0	0	0	0	0	0	1	0	0	0	1
C20orf106	0	0	0	0	0	0	1	0	0	0	1
C1orf163	0	0	0	0	0	0	1	0	0	0	1
KCNA5	0	0	0	0	0	0	1	0	0	0	1
ZMAT2	0	0	0	0	0	0	1	0	0	0	1
RNF216	0	0	0	0	0	0	1	0	0	0	1
RTN4IP1	0	0	0	0	0	0	1	0	0	0	1
OLFM4	0	0	0	0	0	0	1	0	0	0	1
NYX	0	0	0	0	0	0	1	0	0	0	1
SPAG17	0	0	0	0	0	0	1	0	0	0	1
PDZK1IP1	0	0	0	0	0	0	1	0	0	0	1
CYLC2	0	0	0	0	0	0	1	0	0	0	1
OPRM1	0	0	0	0	0	0	1	0	0	0	1
YEATS2	0	0	0	0	0	0	1	0	0	0	1
ANGPTL7	0	0	0	0	0	0	1	0	0	0	1
PATZ1	0	0	0	0	0	0	1	0	0	0	1
SLC12A1	0	0	0	0	0	0	1	0	0	0	1
GZF1	0	0	0	0	0	0	1	0	0	0	1
FLJ90650	0	0	0	0	0	0	1	0	0	0	1
TAL1	0	0	0	0	0	0	1	0	0	0	1
PSMG3	0	0	0	0	0	0	1	0	0	0	1
C1orf210	0	0	0	0	0	0	1	0	0	0	1
FBXL8	0	0	0	0	0	0	1	0	0	0	1
CCT8	0	0	0	0	0	0	1	0	0	0	1
MKRN3	0	0	0	0	0	0	1	0	0	0	1
MESDC1	0	0	0	0	0	0	1	0	0	0	1
RELL1	0	0	0	0	0	0	1	0	0	0	1
ZNF330	0	0	0	0	0	0	1	0	0	0	1
C9orf135	0	0	0	0	0	0	1	0	0	0	1
ZC3HC1	0	0	0	0	0	0	1	0	0	0	1
FLJ35767	0	0	0	0	0	0	1	0	0	0	1
CCDC69	0	0	0	0	0	0	1	0	0	0	1

SAP18	0	0	0	0	0	0	1	0	0	0	1
ABHD6	0	0	0	0	0	0	1	0	0	0	1
CHRNA2	0	0	0	0	0	0	1	0	0	0	1
RAPGEFL1	0	0	0	0	0	0	1	0	0	0	1
KDELR1	0	0	0	0	0	0	1	0	0	0	1
PIP5K1C	0	0	0	0	0	0	1	0	0	0	1
UBR4	0	0	0	0	0	0	1	0	0	0	1
C21orf62	0	0	0	0	0	0	1	0	0	0	1
TMEM59	0	0	0	0	0	0	1	0	0	0	1
CTNNBIP1	0	0	0	0	0	0	1	0	0	0	1
MAP2K7	0	0	0	0	0	0	1	0	0	0	1
LDHAL6A	0	0	0	0	0	0	1	0	0	0	1
CCPG1	0	0	0	0	0	0	1	0	0	0	1
FHOD1	0	0	0	0	0	0	1	0	0	0	1
CNN1	0	0	0	0	0	0	1	0	0	0	1
C3orf15	0	0	0	0	0	0	1	0	0	0	1
C22orf15	0	0	0	0	0	0	1	0	0	0	1
PDYN	0	0	0	0	0	0	1	0	0	0	1
DPF1	0	0	0	0	0	0	1	0	0	0	1
KCNAB2	0	0	0	0	0	0	1	0	0	0	1
MCM2	0	0	0	0	0	0	1	0	0	0	1
SNAP91	0	0	0	0	0	0	1	0	0	0	1
GPATCH2	0	0	0	0	0	0	1	0	0	0	1
USP1	0	0	0	0	0	0	1	0	0	0	1
ZNF275	0	0	0	0	0	0	1	0	0	0	1
CNOT7	0	0	0	0	0	0	1	0	0	0	1
UBXD7	0	0	0	0	0	0	1	0	0	0	1
MAPK11	0	0	0	0	0	0	1	0	0	0	1
PANX2	0	0	0	0	0	0	1	0	0	0	1
PCDHGA1	0	0	0	0	0	0	1	0	0	0	1
LETM1	0	0	0	0	0	0	1	0	0	0	1
ZNF354A	0	0	0	0	0	0	1	0	0	0	1
HINT1	0	0	0	0	0	0	1	0	0	0	1
KIAA0515	0	0	0	0	0	0	1	0	0	0	1
RAD1	0	0	0	0	0	0	1	0	0	0	1
ZNF695	0	0	0	0	0	0	1	0	0	0	1
SHROOM4	0	0	0	0	0	0	1	0	0	0	1
NFIX	0	0	0	0	0	0	1	0	0	0	1
KRI1	0	0	0	0	0	0	1	0	0	0	1
SLC16A3	0	0	0	0	0	0	1	0	0	0	1
ADCK1	0	0	0	0	0	0	1	0	0	0	1

RBED1	0	0	0	0	0	0	1	0	0	0	1
SPRED1	0	0	0	0	0	0	1	0	0	0	1
SERP2	0	0	0	0	0	0	1	0	0	0	1
KIDINS220	0	0	0	0	0	0	1	0	0	0	1
TP53BP2	0	0	0	0	0	0	1	0	0	0	1
SEC14L2	0	0	0	0	0	0	1	0	0	0	1
NOD2	0	0	0	0	0	0	1	0	0	0	1
IGF2R	0	0	0	0	0	0	1	0	0	0	1
DPH5	0	0	0	0	0	0	1	0	0	0	1
ZNF548	0	0	0	0	0	0	1	0	0	0	1
DAZAP1	0	0	0	0	0	0	1	0	0	0	1
C14orf1	0	0	0	0	0	0	1	0	0	0	1
TMEM87A	0	0	0	0	0	0	1	0	0	0	1
ADPGK	0	0	0	0	0	0	1	0	0	0	1
CYBASC3	0	0	0	0	0	0	1	0	0	0	1
ENAM	0	0	0	0	0	0	1	0	0	0	1
BRPF3	0	0	0	0	0	0	1	0	0	0	1
PRDM9	0	0	0	0	0	0	1	0	0	0	1
RYBP	0	0	0	0	0	0	1	0	0	0	1
TYW3	0	0	0	0	0	0	1	0	0	0	1
TLR1	0	0	0	0	0	0	1	0	0	0	1
SLITRK6	0	0	0	0	0	0	1	0	0	0	1
HOXB3	0	0	0	0	0	0	1	0	0	0	1
DPP4	0	0	0	0	0	0	1	0	0	0	1
SLC12A4	0	0	0	0	0	0	1	0	0	0	1
AKAP13	0	0	0	0	0	0	1	0	0	0	1
IGSF9B	0	0	0	0	0	0	1	0	0	0	1
PDCD7	0	0	0	0	0	0	1	0	0	0	1
DNAJC12	0	0	0	0	0	0	1	0	0	0	1
PABPN1	0	0	0	0	0	0	1	0	0	0	1
RFWD3	0	0	0	0	0	0	1	0	0	0	1
KIF18A	0	0	0	0	0	0	1	0	0	0	1
DAPK2	0	0	0	0	0	0	1	0	0	0	1
ATF3	0	0	0	0	0	0	1	0	0	0	1
PPIL2	0	0	0	0	0	0	1	0	0	0	1
NDUFA10	0	0	0	0	0	0	1	0	0	0	1
PEX14	0	0	0	0	0	0	1	0	0	0	1
CPNE8	0	0	0	0	0	0	1	0	0	0	1
CEACAM7	0	0	0	0	0	0	1	0	0	0	1
IL8RA	0	0	0	0	0	0	1	0	0	0	1
LRRC25	0	0	0	0	0	0	1	0	0	0	1

CSNK1E	0	0	0	0	0	0	1	0	0	0	1
PRKDC	0	0	0	0	0	0	1	0	0	0	1
CNN2	0	0	0	0	0	0	1	0	0	0	1
ZNF410	0	0	0	0	0	0	1	0	0	0	1
MIZF	0	0	0	0	0	0	1	0	0	0	1
MYBPC3	0	0	0	0	0	0	1	0	0	0	1
SPAG11B	0	0	0	0	0	0	1	0	0	0	1
CYB5R2	0	0	0	0	0	0	0	1	0	0	1
MYOZ3	0	0	0	0	0	0	0	1	0	0	1
RBBP9	0	0	0	0	0	0	0	1	0	0	1
WDR91	0	0	0	0	0	0	0	1	0	0	1
RNF165	0	0	0	0	0	0	0	1	0	0	1
SNX20	0	0	0	0	0	0	0	1	0	0	1
NLRP3	0	0	0	0	0	0	0	1	0	0	1
SSPO	0	0	0	0	0	0	0	1	0	0	1
CYP3A7	0	0	0	0	0	0	0	1	0	0	1
MAST3	0	0	0	0	0	0	0	1	0	0	1
TRIM14	0	0	0	0	0	0	0	1	0	0	1
CYP11B2	0	0	0	0	0	0	0	1	0	0	1
VPS37D	0	0	0	0	0	0	0	1	0	0	1
SLC18A2	0	0	0	0	0	0	0	1	0	0	1
MCAM	0	0	0	0	0	0	0	1	0	0	1
TMED8	0	0	0	0	0	0	0	1	0	0	1
ZMYM3	0	0	0	0	0	0	0	1	0	0	1
HGS	0	0	0	0	0	0	0	1	0	0	1
NECAP1	0	0	0	0	0	0	0	1	0	0	1
SLC37A2	0	0	0	0	0	0	0	1	0	0	1
TRPC5	0	0	0	0	0	0	0	1	0	0	1
NTRK1	0	0	0	0	0	0	0	1	0	0	1
C16orf57	0	0	0	0	0	0	0	1	0	0	1
RABGAP1L	0	0	0	0	0	0	0	1	0	0	1
POLR2E	0	0	0	0	0	0	0	1	0	0	1
C4orf33	0	0	0	0	0	0	0	1	0	0	1
PLIN	0	0	0	0	0	0	0	1	0	0	1
PPIA	0	0	0	0	0	0	0	1	0	0	1
EXOC4	0	0	0	0	0	0	0	1	0	0	1
USP11	0	0	0	0	0	0	0	1	0	0	1
C5orf42	0	0	0	0	0	0	0	1	0	0	1
SEC14L4	0	0	0	0	0	0	0	1	0	0	1
KIAA0409	0	0	0	0	0	0	0	1	0	0	1
PARC	0	0	0	0	0	0	0	1	0	0	1

RNMTL1	0	0	0	0	0	0	0	1	0	0	1
BRMS1	0	0	0	0	0	0	0	1	0	0	1
TPK1	0	0	0	0	0	0	0	1	0	0	1
AVPR2	0	0	0	0	0	0	0	1	0	0	1
GFRA2	0	0	0	0	0	0	0	1	0	0	1
USP20	0	0	0	0	0	0	0	1	0	0	1
MRPS5	0	0	0	0	0	0	0	1	0	0	1
CTSZ	0	0	0	0	0	0	0	1	0	0	1
CCR4	0	0	0	0	0	0	0	1	0	0	1
SLC36A4	0	0	0	0	0	0	0	1	0	0	1
MRPS11	0	0	0	0	0	0	0	1	0	0	1
C11orf9	0	0	0	0	0	0	0	1	0	0	1
MCF2L2	0	0	0	0	0	0	0	1	0	0	1
B9D2	0	0	0	0	0	0	0	1	0	0	1
CYP3A4	0	0	0	0	0	0	0	1	0	0	1
POFUT2	0	0	0	0	0	0	0	1	0	0	1
GPRC5A	0	0	0	0	0	0	0	1	0	0	1
FGF11	0	0	0	0	0	0	0	1	0	0	1
SYT1	0	0	0	0	0	0	0	1	0	0	1
CLIP2	0	0	0	0	0	0	0	1	0	0	1
TWF2	0	0	0	0	0	0	0	0	1	0	1
COL2A1	0	0	0	0	0	0	0	0	1	0	1
ARX	0	0	0	0	0	0	0	0	1	0	1
LRRTM1	0	0	0	0	0	0	0	0	1	0	1
FARP1	0	0	0	0	0	0	0	0	1	0	1
EZR	0	0	0	0	0	0	0	0	1	0	1
SCMH1	0	0	0	0	0	0	0	0	1	0	1
GMPR	0	0	0	0	0	0	0	0	1	0	1
NOVA2	0	0	0	0	0	0	0	0	1	0	1
MUSK	0	0	0	0	0	0	0	0	1	0	1
BUD13	0	0	0	0	0	0	0	0	1	0	1
ANK3	0	0	0	0	0	0	0	0	1	0	1
RBM10	0	0	0	0	0	0	0	0	1	0	1
IARS	0	0	0	0	0	0	0	0	1	0	1
WDR46	0	0	0	0	0	0	0	0	1	0	1
FZD3	0	0	0	0	0	0	0	0	1	0	1
MTO1	0	0	0	0	0	0	0	0	1	0	1
NT5C3	0	0	0	0	0	0	0	0	1	0	1
SRRM2	0	0	0	0	0	0	0	0	1	0	1
FLRT3	0	0	0	0	0	0	0	0	1	0	1
FBXW5	0	0	0	0	0	0	0	0	1	0	1

DCUN1D3	0	0	0	0	0	0	0	0	1	0	1
PRIM2	0	0	0	0	0	0	0	0	1	0	1
AKAP10	0	0	0	0	0	0	0	0	1	0	1
CAMK2N2	0	0	0	0	0	0	0	0	1	0	1
TUBA8	0	0	0	0	0	0	0	0	1	0	1
IQGAP3	0	0	0	0	0	0	0	0	1	0	1
KIF19	0	0	0	0	0	0	0	0	1	0	1
GRM4	0	0	0	0	0	0	0	0	1	0	1
SLC17A7	0	0	0	0	0	0	0	0	1	0	1
CCDC28B	0	0	0	0	0	0	0	0	1	0	1
KIAA0372	0	0	0	0	0	0	0	0	1	0	1
RANBP9	0	0	0	0	0	0	0	0	1	0	1
PLCZ1	0	0	0	0	0	0	0	0	1	0	1
ABCC5	0	0	0	0	0	0	0	0	1	0	1
SNX25	0	0	0	0	0	0	0	0	1	0	1
CACNA1S	0	0	0	0	0	0	0	0	1	0	1
SMARCA4	0	0	0	0	0	0	0	0	1	0	1
ALX1	0	0	0	0	0	0	0	0	1	0	1
C20orf186	0	0	0	0	0	0	0	0	1	0	1
WBP5	0	0	0	0	0	0	0	0	1	0	1
HSPG2	0	0	0	0	0	0	0	0	1	0	1
NARS	0	0	0	0	0	0	0	0	1	0	1
KCTD19	0	0	0	0	0	0	0	0	1	0	1
ACO2	0	0	0	0	0	0	0	0	1	0	1
ABCG8	0	0	0	0	0	0	0	0	1	0	1
TMED2	0	0	0	0	0	0	0	0	1	0	1
SLC24A2	0	0	0	0	0	0	0	0	1	0	1
PAAF1	0	0	0	0	0	0	0	0	1	0	1
ABCE1	0	0	0	0	0	0	0	0	1	0	1
IKZF3	0	0	0	0	0	0	0	0	1	0	1
FGF18	0	0	0	0	0	0	0	0	1	0	1
TRAPPC2L	0	0	0	0	0	0	0	0	1	0	1
KIF13A	0	0	0	0	0	0	0	0	1	0	1
ITGA11	0	0	0	0	0	0	0	0	1	0	1
SGCE	0	0	0	0	0	0	0	0	1	0	1
MARK3	0	0	0	0	0	0	0	0	1	0	1
MTTP	0	0	0	0	0	0	0	0	1	0	1
ABHD12	0	0	0	0	0	0	0	0	1	0	1
PCM1	0	0	0	0	0	0	0	0	1	0	1
CNTN5	0	0	0	0	0	0	0	0	1	0	1
PHF1	0	0	0	0	0	0	0	0	1	0	1

ITGBL1	0	0	0	0	0	0	0	0	1	0	1
C10orf97	0	0	0	0	0	0	0	0	1	0	1
TRAF7	0	0	0	0	0	0	0	0	1	0	1
MAP3K12	0	0	0	0	0	0	0	0	1	0	1
KLHDC4	0	0	0	0	0	0	0	0	1	0	1
LDB1	0	0	0	0	0	0	0	0	1	0	1
NAG	0	0	0	0	0	0	0	0	1	0	1
RAD54L	0	0	0	0	0	0	0	0	1	0	1
EEF1A2	0	0	0	0	0	0	0	0	1	0	1
RYR2	0	0	0	0	0	0	0	0	1	0	1
WRNIP1	0	0	0	0	0	0	0	0	1	0	1
HSPA9	0	0	0	0	0	0	0	0	1	0	1
AUP1	0	0	0	0	0	0	0	0	1	0	1
DC2	0	0	0	0	0	0	0	0	1	0	1
RIF1	0	0	0	0	0	0	0	0	1	0	1
SPSB3	0	0	0	0	0	0	0	0	1	0	1
PHLPP	0	0	0	0	0	0	0	0	1	0	1
ILF2	0	0	0	0	0	0	0	0	1	0	1
PAPD4	0	0	0	0	0	0	0	0	1	0	1
PTHR1	0	0	0	0	0	0	0	0	1	0	1
BTBD6	0	0	0	0	0	0	0	0	1	0	1
LCT	0	0	0	0	0	0	0	0	1	0	1
GALT	0	0	0	0	0	0	0	0	1	0	1
TCP11L2	0	0	0	0	0	0	0	0	1	0	1
PCDH10	0	0	0	0	0	0	0	0	1	0	1
IL1RAPL1	0	0	0	0	0	0	0	0	1	0	1
SNX17	0	0	0	0	0	0	0	0	1	0	1
CLK2	0	0	0	0	0	0	0	0	1	0	1
PAPSS1	0	0	0	0	0	0	0	0	1	0	1
SHPRH	0	0	0	0	0	0	0	0	1	0	1
ANKRA2	0	0	0	0	0	0	0	0	1	0	1
EHBP1	0	0	0	0	0	0	0	0	1	0	1
SLC6A9	0	0	0	0	0	0	0	0	1	0	1
CDH11	0	0	0	0	0	0	0	0	1	0	1
AURKB	0	0	0	0	0	0	0	0	1	0	1
RBM24	0	0	0	0	0	0	0	0	1	0	1
ARHGEF10	0	0	0	0	0	0	0	0	1	0	1
SLC35B1	0	0	0	0	0	0	0	0	1	0	1
YAP1	0	0	0	0	0	0	0	0	0	1	1
RBCK1	0	0	0	0	0	0	0	0	0	1	1
CHRM2	0	0	0	0	0	0	0	0	0	1	1

HFE2	0	0	0	0	0	0	0	0	0	1	1
EXTL2	0	0	0	0	0	0	0	0	0	1	1
TRAK1	0	0	0	0	0	0	0	0	0	1	1
MAPKBP1	0	0	0	0	0	0	0	0	0	1	1
GRK6	0	0	0	0	0	0	0	0	0	1	1
GTF2I	0	0	0	0	0	0	0	0	0	1	1
HNRPK	0	0	0	0	0	0	0	0	0	1	1
LMX1A	0	0	0	0	0	0	0	0	0	1	1
SMAD9	0	0	0	0	0	0	0	0	0	1	1
PIK3R1	0	0	0	0	0	0	0	0	0	1	1
VPS13C	0	0	0	0	0	0	0	0	0	1	1
PRR5	0	0	0	0	0	0	0	0	0	1	1
RFX4	0	0	0	0	0	0	0	0	0	1	1
AFAP1	0	0	0	0	0	0	0	0	0	1	1
RREB1	0	0	0	0	0	0	0	0	0	1	1
NFKBIZ	0	0	0	0	0	0	0	0	0	1	1
STAU1	0	0	0	0	0	0	0	0	0	1	1
YWHAZ	0	0	0	0	0	0	0	0	0	1	1
SEMA3B	0	0	0	0	0	0	0	0	0	1	1
BRCC3	0	0	0	0	0	0	0	0	0	1	1
CALD1	0	0	0	0	0	0	0	0	0	1	1
APOLD1	0	0	0	0	0	0	0	0	0	1	1
CASP1	0	0	0	0	0	0	0	0	0	1	1
MAP4K4	0	0	0	0	0	0	0	0	0	1	1
VGLL4	0	0	0	0	0	0	0	0	0	1	1
HDAC9	0	0	0	0	0	0	0	0	0	1	1

0 = not predicted; 1 = predicted

Supplementary Table 20. Predicted genes of hsa-miR-181a by miRWALK.

Gene	RefseqID	Seed Length	Start	Sequence	End	Region	P value	SPMS
AASS	NM_005763	9	5809	AACAUUCAA	5801	3 UTR	0.0112	1
ABCB11	NM_003742	8	5808	ACAUUCAA	5801	3 UTR	0.0442	2
ABI1	NM_005470	7	4210	AACAUUC	4204	3 UTR	0.0408	1
ABLIM1	NM_001003408	8	1831	ACAUUCAA	1824	3 UTR	0.0297	2
ACBD4	NM_024722	9	3780	AACAUUCAA	3772	3 UTR	0.0195	1
ACBD6	NM_032360	7	1997	AACAUUC	1991	3 UTR	0.0378	1
ACMSD	NM_138326	7	1181	ACAUUCA	1175	3 UTR	0.0098	2
ACN9	NM_020186	7	1193	ACAUUCA	1187	3 UTR	0.0121	2
ACRC	NM_052957	7	1950	ACAUUCA	1944	3 UTR	0.0335	2
ACSF3	NM_174917	7	2439	ACAUUCA	2433	3 UTR	0.0360	2
ACSL1	NM_001995	8	2964	AACAUUCA	2957	3 UTR	0.0234	1
ACSS3	NM_024560	9	3707	AACAUUCAA	3699	3 UTR	0.0059	1
ACTA2	NM_001613	8	3706	ACAUUCAA	3699	3 UTR	0.0233	2
ACTC1	NM_005159	8	2386	ACAUUCAA	2379	3 UTR	0.0134	2
ACTL6A	NM_178042	7	1296	ACAUUCA	1290	3 UTR	0.0100	2
ACTR2	NM_001005386	8	2322	ACAUUCAA	2315	3 UTR	0.0347	2
ACVR2B	NM_001106	7	1606	AACAUUC	1600	3 UTR	0.0268	1
ACYP1	NM_203488	8	3392	ACAUUCAA	3385	3 UTR	0.0379	2
ADAM28	NM_014265	9	6762	AACAUUCAA	6754	3 UTR	0.0367	1
ADAMTS8	NM_007037	9	595	AACAUUCAA	587	3 UTR	0.0017	1
ADCY9	NM_001116	8	594	ACAUUCAA	587	3 UTR	0.0068	2
ADH4	NM_000670	8	3159	ACAUUCAA	3152	3 UTR	0.0123	2
ADM	NM_001124	7	3461	ACAUUCA	3455	3 UTR	0.0390	2
ADRBK1	NM_001619	8	7161	ACAUUCAA	7154	3 UTR	0.0467	2
AFF2	NM_002025	8	6628	ACAUUCAA	6621	3 UTR	0.0467	2
AGPAT5	NM_018361	8	1259	ACAUUCAA	1252	3 UTR	0.0115	2
AGT	NM_000029	7	1296	ACAUUCA	1290	3 UTR	0.0439	2
AGXT	NM_000030	8	3388	ACAUUCAA	3381	3 UTR	0.0173	2
AHR	NM_001621	10	10612	AACAUUCAAC	10603	3 UTR	0.0089	1
AICDA	NM_020661	9	10611	ACAUUCAAC	10603	3 UTR	0.0350	2
AIM1L	NM_001039775	9	3349	AACAUUCAA	3341	3 UTR	0.0156	1
AK3	NM_016282	8	2405	ACAUUCAA	2398	3 UTR	0.0094	2
AKAP4	NM_003886	7	1570	AACAUUC	1564	3 UTR	0.0188	1
AKAP6	NM_004274	10	4126	AACAUUCAAC	4117	3 UTR	0.0026	1
AKAP7	NM_016377	9	4125	ACAUUCAAC	4117	3 UTR	0.0102	2
AKAP9	NM_147171	9	1532	AACAUUCAA	1524	3 UTR	0.0080	1
AKT3	NM_005465	8	1531	ACAUUCAA	1524	3 UTR	0.0318	2
ALDH9A1	NM_000696	8	2332	AACAUUCA	2325	3 UTR	0.0017	1

ALG10	NM_032834	7	2331	ACAUUCA	2325	3 UTR	0.0066	2
ALG2	NM_033087	9	2415	AACAUUCAA	2407	3 UTR	0.0069	1
ALG6	NM_013339	8	2414	ACAUUCAA	2407	3 UTR	0.0274	2
ALS2CR12	NM_139163	7	2827	ACAUUCA	2821	3 UTR	0.0117	2
AMAC1	NM_152462	8	10232	AACAUUCA	10225	3 UTR	0.0488	1
ANKLE1	NM_152363	9	2321	AACAUUCAA	2313	3 UTR	0.0070	1
ANKRD13C	NM_030816	8	2320	ACAUUCAA	2313	3 UTR	0.0275	2
ANKRD27	NM_032139	7	12279	ACAUUCA	12273	3 UTR	0.0310	2
ANKRD50	NM_020337	8	2506	ACAUUCAA	2499	3 UTR	0.0310	2
ANP32A	NM_006305	8	1748	AACAUUCA	1741	3 UTR	0.0127	1
ANTXR2	NM_058172	7	2312	ACAUUCA	2306	3 UTR	0.0499	2
ANXA11	NM_145869	7	1747	ACAUUCA	1741	3 UTR	0.0499	2
ANXA6	NM_001155	8	2815	ACAUUCAA	2808	3 UTR	0.0212	2
AP3D1	NM_003938	8	1450	ACAUUCAA	1443	3 UTR	0.0228	2
AP3S2	NM_005829	7	3264	AACAUUC	3258	3 UTR	0.0128	1
APH1B	NM_031301	7	1916	ACAUUCA	1910	3 UTR	0.0140	2
API5	NM_006595	7	1562	ACAUUCA	1556	3 UTR	0.0460	2
APOO	NM_024122	9	2171	AACAUUCAA	2163	3 UTR	0.0042	1
AQP9	NM_020980	8	2170	ACAUUCAA	2163	3 UTR	0.0165	2
ARF6	NM_001663	9	2480	AACAUUCAA	2472	3 UTR	0.0141	1
ARFGEF2	NM_006420	8	4037	ACAUUCAA	4030	3 UTR	0.0174	2
ARFIP1	NM_001025595	8	7193	AACAUUCA	7186	3 UTR	0.0478	1
ARHGAP12	NM_018287	8	6365	AACAUUCA	6358	3 UTR	0.0478	1
ARHGEF12	NM_015313	7	2444	AACAUUC	2438	3 UTR	0.0153	1
ARHGEF15	NM_173728	7	1914	ACAUUCA	1908	3 UTR	0.0153	2
ARHGEF3	NM_001128616	8	2532	ACAUUCAA	2525	3 UTR	0.0282	2
ARID2	NM_152641	7	2668	ACAUUCA	2662	3 UTR	0.0436	2
ARIH1	NM_005744	9	2572	ACAUUCAAC	2564	3 UTR	0.0028	2
ARL1	NM_001177	8	3989	ACAUUCAA	3982	3 UTR	0.0178	2
ARL11	NM_138450	9	3487	AACAUUCAA	3479	3 UTR	0.0186	1
ARL5A	NM_012097	7	2429	AACAUUC	2423	3 UTR	0.0081	1
ARL6	NM_032146	7	1282	ACAUUCA	1276	3 UTR	0.0081	2
ARL6IP6	NM_152522	9	3008	AACAUUCAA	3000	3 UTR	0.0079	1
ARMC1	NM_018120	8	3007	ACAUUCAA	3000	3 UTR	0.0314	2
ARNT2	NM_014862	8	936	ACAUUCAA	929	3 UTR	0.0047	2
ARPC1A	NM_006409	10	2372	AACAUUCAAC	2363	3 UTR	0.0017	1
ARRB2	NM_004313	9	2371	ACAUUCAAC	2363	3 UTR	0.0068	2
ARSJ	NM_024590	9	3474	AACAUUCAA	3466	3 UTR	0.0106	1
ARV1	NM_022786	8	3473	ACAUUCAA	3466	3 UTR	0.0417	2
ASAHL	NM_014435	9	5991	AACAUUCAA	5983	3 UTR	0.0132	1
ASB3	NM_016115	8	2428	AACAUUCA	2421	3 UTR	0.0255	1

ASB5	NM_080874	8	3046	AACAUUCA	3039	3 UTR	0.0206	1
ASCC1	NM_015947	9	6987	AACAUUCAA	6979	3 UTR	0.0184	1
ASTN1	NM_004319	8	2852	ACAUUCAA	2845	3 UTR	0.0243	2
ATG10	NM_001131028	8	3993	AACAUUCA	3986	3 UTR	0.0280	1
ATG5	NM_004849	8	3976	AACAUUCA	3969	3 UTR	0.0280	1
ATM	NM_000051	8	6281	AACAUUCA	6274	3 UTR	0.0441	1
ATMIN	NM_015251	8	3881	AACAUUCA	3874	3 UTR	0.0488	1
ATP11B	NM_014616	8	890	AACAUUCA	883	3 UTR	0.0375	1
ATP11C	NM_173694	8	2369	AACAUUCA	2362	3 UTR	0.0383	1
ATP1B1	NM_001677	10	1205	AACAUUCAAC	1196	3 UTR	0.0022	1
ATP2B1	NM_001001323	9	1204	ACAUUCAAC	1196	3 UTR	0.0088	2
ATP2B3	NM_021949	7	1179	AACAUUC	1173	3 UTR	0.0297	1
ATP6AP2	NM_005765	8	2703	AACAUUCA	2696	3 UTR	0.0214	1
ATP6V1C2	NM_001039362	8	1799	ACAUUCAA	1792	3 UTR	0.0237	2
ATP8B1	NM_005603	9	6455	AACAUUCAA	6447	3 UTR	0.0161	1
ATPAF1	NM_022745	7	1591	ACAUUCA	1585	3 UTR	0.0217	2
ATPAF2	NM_145691	7	1649	ACAUUCA	1643	3 UTR	0.0288	2
ATXN3	NM_004993	8	3648	ACAUUCAA	3641	3 UTR	0.0301	2
ATXN7	NM_001128149	7	1096	AACAUUC	1090	3 UTR	0.0363	1
AUTS2	NM_015570	8	1630	ACAUUCAA	1623	3 UTR	0.0112	2
B3GALT1	NM_020981	7	1851	AACAUUC	1845	3 UTR	0.0314	1
B3GALT5	NM_033173	9	1514	ACAUUCAAC	1506	3 UTR	0.0073	2
B4GALT6	NM_004775	7	1886	AACAUUC	1880	3 UTR	0.0493	1
BAG2	NM_004282	8	7033	ACAUUCAA	7026	3 UTR	0.0481	2
BAG4	NM_004874	8	1273	AACAUUCA	1266	3 UTR	0.0202	1
BAI3	NM_001704	9	2381	AACAUUCAA	2373	3 UTR	0.0078	1
BANK1	NM_017935	8	2380	ACAUUCAA	2373	3 UTR	0.0310	2
BBS9	NM_198428	9	9686	AACAUUCAA	9678	3 UTR	0.0136	1
BCL11A	NM_022893	8	2585	ACAUUCAA	2578	3 UTR	0.0356	2
BCL6B	NM_181844	9	7059	AACAUUCAA	7051	3 UTR	0.0136	1
BIRC6	NM_016252	8	4586	AACAUUCA	4579	3 UTR	0.0394	1
BMS1	NM_014753	8	1907	AACAUUCA	1900	3 UTR	0.0178	1
BPTF	NM_182641	8	4014	AACAUUCA	4007	3 UTR	0.0482	1
BRAP	NM_006768	8	4713	ACAUUCAA	4706	3 UTR	0.0439	2
BRD1	NM_014577	9	1160	AACAUUCAA	1152	3 UTR	0.0034	1
BTBD10	NM_032320	8	1159	ACAUUCAA	1152	3 UTR	0.0135	2
BTBD3	NM_014962	9	1583	AACAUUCAA	1575	3 UTR	0.0071	1
BTRC	NM_033637	8	1582	ACAUUCAA	1575	3 UTR	0.0279	2
BUB3	NM_004725	8	5400	AACAUUCA	5393	3 UTR	0.0310	1
C10orf30	NM_152751	8	2964	AACAUUCA	2957	3 UTR	0.0454	1
C10orf4	NM_145246	7	1242	ACAUUCA	1236	3 UTR	0.0318	2

C10orf67	NM_153714	9	2543	AACAUUCAA	2535	3 UTR	0.0218	1
C10orf68	NM_024688	9	6474	AACAUUCAA	6466	3 UTR	0.0148	1
C10orf78	NM_145247	8	5139	AACAUUCA	5132	3 UTR	0.0286	1
C10orf83	NM_178832	8	1495	AACAUUCA	1488	3 UTR	0.0127	1
C10orf88	NM_024942	7	1494	ACAUUCA	1488	3 UTR	0.0497	2
C11orf30	NM_020193	8	3118	ACAUUCAA	3111	3 UTR	0.0211	2
C11orf47	NM_173589	9	2612	AACAUUCAA	2604	3 UTR	0.0128	1
C11orf53	NM_198498	7	1584	ACAUUCA	1578	3 UTR	0.0454	2
C11orf56	NM_032127	7	1860	ACAUUCA	1854	3 UTR	0.0316	2
C11orf61	NM_024631	8	5449	AACAUUCA	5442	3 UTR	0.0096	1
C11orf75	NM_020179	7	5448	ACAUUCA	5442	3 UTR	0.0379	2
C12orf12	NM_152638	9	3364	AACAUUCAA	3356	3 UTR	0.0031	1
C12orf35	NM_018169	8	3363	ACAUUCAA	3356	3 UTR	0.0125	2
C12orf56	NM_001099676	8	3698	ACAUUCAA	3691	3 UTR	0.0128	2
C13orf23	NM_025138	8	3774	ACAUUCAA	3767	3 UTR	0.0478	2
C14orf126	NM_080664	9	2721	AACAUUCAA	2713	3 UTR	0.0077	1
C14orf135	NM_022495	8	2625	AACAUUCA	2618	3 UTR	0.0306	1
C14orf142	NM_032490	8	2720	ACAUUCAA	2713	3 UTR	0.0306	2
C14orf169	NM_024644	8	15020	AACAUUCA	15013	3 UTR	0.0153	1
C14orf178	NM_174943	7	6231	AACAUUC	6225	3 UTR	0.0195	1
C14orf28	NM_001017923	8	9710	ACAUUCAA	9703	3 UTR	0.0314	2
C14orf43	NM_194278	9	2517	AACAUUCAA	2509	3 UTR	0.0079	1
C15orf2	NM_018958	8	2516	ACAUUCAA	2509	3 UTR	0.0311	2
C15orf26	NM_173528	9	3955	AACAUUCAA	3947	3 UTR	0.0036	1
C15orf48	NM_032413	8	3954	ACAUUCAA	3947	3 UTR	0.0144	2
C15orf56	NM_001039905	7	2320	ACAUUCA	2314	3 UTR	0.0497	2
C16orf71	NM_139170	10	4765	AACAUUCAAC	4756	3 UTR	0.0028	1
C16orf75	NM_152308	9	4764	ACAUUCAAC	4756	3 UTR	0.0111	2
C17orf39	NM_024052	10	4123	AACAUUCAAC	4114	3 UTR	0.0040	1
C17orf51	NM_001113434	9	4122	ACAUUCAAC	4114	3 UTR	0.0160	2
C17orf59	NM_017622	9	2763	AACAUUCAA	2755	3 UTR	0.0059	1
C18orf37	NM_001098817	8	2762	ACAUUCAA	2755	3 UTR	0.0234	2
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C19orf25	NM_152482	8	2136	ACAUUCAA	2129	3 UTR	0.0190	2
C19orf42	NM_024104	8	1093	AACAUUCA	1086	3 UTR	0.0348	1
C19orf59	NM_174918	7	2552	ACAUUCA	2546	3 UTR	0.0223	2
C1orf109	NM_017850	7	1383	ACAUUCA	1377	3 UTR	0.0416	2
C1orf113	NM_024676	8	2308	ACAUUCAA	2301	3 UTR	0.0260	2
C1orf131	NM_152379	8	2957	ACAUUCAA	2950	3 UTR	0.0232	2
C1orf161	NM_152367	8	4439	AACAUUCA	4432	3 UTR	0.0212	1
C1orf2	NM_006589	7	2819	AACAUUC	2813	3 UTR	0.0457	1

C1orf27	NM_017847	7	1045	AACAUUC	1039	3 UTR	0.0150	1
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C1orf52	NM_198077	7	1551	ACAUUCA	1545	3 UTR	0.0421	2
C1orf71	NM_152609	7	638	ACAUUCA	632	3 UTR	0.0325	2
C1orf84	NM_001012961	8	2890	AACAUUCA	2883	3 UTR	0.0200	1
C1RL	NM_016546	7	6081	ACAUUCA	6075	3 UTR	0.0353	2
C20orf24	NM_018840	9	1529	AACAUUCAA	1521	3 UTR	0.0009	1
C20orf85	NM_178456	8	1528	ACAUUCAA	1521	3 UTR	0.0038	2
C22orf28	NM_014306	8	4508	AACAUUCA	4501	3 UTR	0.0229	1
C2orf29	NM_017546	8	1982	AACAUUCA	1975	3 UTR	0.0317	1
C2orf42	NM_017880	8	3846	AACAUUCA	3839	3 UTR	0.0093	1
C2orf43	NM_021925	7	3845	ACAUUCA	3839	3 UTR	0.0367	2
C2orf60	NM_001039693	7	962	ACAUUCA	956	3 UTR	0.0483	2
C3orf14	NM_020685	7	2456	AACAUUC	2450	3 UTR	0.0276	1
C3orf23	NM_173826	7	834	ACAUUCA	828	3 UTR	0.0039	2
C3orf35	NM_178342	8	1688	ACAUUCAA	1681	3 UTR	0.0257	2
C3orf58	NM_173552	9	8054	AACAUUCAA	8046	3 UTR	0.0158	1
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C4orf15	NM_024511	8	1322	ACAUUCAA	1315	3 UTR	0.0101	2
C5orf13	NM_004772	8	735	AACAUUCA	728	3 UTR	0.0068	1
C5orf29	NM_152687	7	734	ACAUUCA	728	3 UTR	0.0268	2
C5orf5	NM_016603	8	2112	AACAUUCA	2105	3 UTR	0.0244	1
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C6orf223	NM_153246	9	3482	AACAUUCAA	3474	3 UTR	0.0102	1
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C8orf59	NM_001099670	8	1482	ACAUUCAA	1475	3 UTR	0.0278	2
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C9orf167	NM_017723	7	916	ACAUUCA	910	3 UTR	0.0440	2
C9orf23	NM_148179	8	1678	ACAUUCAA	1671	3 UTR	0.0237	2
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CA13	NM_198584	7	1130	ACAUUCA	1124	3 UTR	0.0340	2
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CACNA2D4	NM_172364	8	2893	ACAUUCAA	2886	3 UTR	0.0282	2
CACNB2	NM_000724	7	3125	AACAUUC	3119	3 UTR	0.0357	1
CALB1	NM_004929	8	2180	AACAUUCA	2173	3 UTR	0.0348	1
CALCR	NM_001742	7	1762	AACAUUC	1756	3 UTR	0.0452	1
CALCRL	NM_005795	7	1648	ACAUUCA	1642	3 UTR	0.0452	2
CAMK2G	NM_172171	7	797	ACAUUCA	791	3 UTR	0.0213	2
CAMKK1	NM_032294	9	1055	AACAUUCAA	1047	3 UTR	0.0102	1
CAMSAP1	NM_015447	8	1054	ACAUUCAA	1047	3 UTR	0.0402	2
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CAMTA2	NM_015099	8	878	ACAUUCAA	871	3 UTR	0.0090	2
CAND1	NM_018448	8	1782	ACAUUCAA	1775	3 UTR	0.0280	2
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CAPRIN2	NM_001002259	7	643	AACAUUC	637	3 UTR	0.0205	1
CAPZA2	NM_006136	7	2059	AACAUUC	2053	3 UTR	0.0260	1
CARD11	NM_032415	8	2036	AACAUUCA	2029	3 UTR	0.0141	1
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CARM1	NM_199141	8	1433	AACAUUCA	1426	3 UTR	0.0281	1
CASP1	NM_033292	9	2242	AACAUUCAA	2234	3 UTR	0.0158	1
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CBX4	NM_003655	8	2417	AACAUUCA	2410	3 UTR	0.0269	1
CBX7	NM_175709	9	2673	ACAUUCAAC	2665	3 UTR	0.0068	2
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CCL22	NM_002990	8	1193	ACAUUCAA	1186	3 UTR	0.0092	2

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CCT8L2	NM_014406	7	9927	ACAUUCA	9921	3 UTR	0.0012	2
CD1E	NM_030893	7	8737	ACAUUCA	8731	3 UTR	0.0012	2
CD300LB	NM_174892	8	3438	AACAUUCA	3431	3 UTR	0.0401	1
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CEP135	NM_025009	8	5301	ACAUUCAA	5294	3 UTR	0.0424	2
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CHST9	NM_031422	8	2577	ACAUUCAA	2570	3 UTR	0.0154	2
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CIT	NM_007174	7	3920	ACAUUCA	3914	3 UTR	0.0421	2
CLCC1	NM_001048210	8	4026	AACAUUCA	4019	3 UTR	0.0368	1
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CLIP1	NM_002956	7	1687	AACAUUC	1681	3 UTR	0.0452	1
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CNNM2	NM_017649	8	3446	ACAUUCAA	3439	3 UTR	0.0246	2
CNOT1	NM_016284	7	2423	ACAUUCA	2417	3 UTR	0.0357	2
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CNOT6L	NM_144571	8	2589	AACAUUCA	2582	3 UTR	0.0307	1
CNTN1	NM_001843	8	1678	AACAUUCA	1671	3 UTR	0.0240	1
CNTN4	NM_175607	7	1935	ACAUUCA	1929	3 UTR	0.0158	2
CNTNAP4	NM_033401	7	2657	AACAUUC	2651	3 UTR	0.0489	1
COASY	NM_025233	8	2806	ACAUUCAA	2799	3 UTR	0.0083	2
COL16A1	NM_001856	8	1351	AACAUUCA	1344	3 UTR	0.0030	1
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COL1A2	NM_000089	7	1314	ACAUUCA	1308	3 UTR	0.0144	2
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COL6A3	NM_004369	7	2446	ACAUUCA	2440	3 UTR	0.0210	2
COPS2	NM_004236	8	1078	AACAUUCA	1071	3 UTR	0.0051	1
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COQ2	NM_015697	9	7390	AACAUUCAA	7382	3 UTR	0.0051	1
CORO1C	NM_014325	8	7389	ACAUUCAA	7382	3 UTR	0.0202	2
COX11	NM_004375	7	1721	ACAUUCA	1715	3 UTR	0.0401	2
CP110	NM_014711	7	758	ACAUUCA	752	3 UTR	0.0294	2
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CPD	NM_001304	7	966	ACAUUCA	960	3 UTR	0.0357	2
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CPNE4	NM_130808	9	1316	ACAUUCAAC	1308	3 UTR	0.0173	2
CPOX	NM_000097	8	1783	AACAUUCA	1776	3 UTR	0.0068	1
CREB1	NM_134442	7	1782	ACAUUCA	1776	3 UTR	0.0268	2
CREBL2	NM_001310	7	1795	AACAUUC	1789	3 UTR	0.0290	1
CREG2	NM_153836	8	1995	AACAUUCA	1988	3 UTR	0.0020	1
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CRHBP	NM_001882	7	2015	ACAUUCA	2009	3 UTR	0.0393	2
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CYR61	NM_001554	8	2550	AACAUUCA	2543	3 UTR	0.0005	1
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DAD1	NM_001344	7	4954	ACAUUCA	4948	3 UTR	0.0341	2
DAK	NM_015533	8	5581	AACAUUCA	5574	3 UTR	0.0305	1
DARS	NM_001349	7	1067	AACAUUC	1061	3 UTR	0.0216	1
DAXX	NM_001350	7	659	AACAUUC	653	3 UTR	0.0222	1
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DCN	NM_001920	7	1139	AACAUUC	1133	3 UTR	0.0315	1
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DDHD1	NM_030637	9	553	AACAUUCAA	545	3 UTR	0.0051	1
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DENND1A	NM_020946	9	2425	ACAUUCAAC	2417	3 UTR	0.0115	2
DENND4C	NM_017925	8	4736	AACAUUCA	4729	3 UTR	0.0436	1

DEPDC5	NM_014662	8	3320	AACAUUCA	3313	3 UTR	0.0376	1
DEPDC6	NM_022783	8	1157	AACAUUCA	1150	3 UTR	0.0096	1
DGCR2	NM_005137	7	1156	ACAUUCA	1150	3 UTR	0.0379	2
DGKE	NM_003647	8	1830	ACAUUCAA	1823	3 UTR	0.0195	2
DGKH	NM_178009	8	5613	ACAUUCAA	5606	3 UTR	0.0220	2
DHRS9	NM_005771	9	12375	AACAUUCAA	12367	3 UTR	0.0361	1
DHX29	NM_019030	8	2464	ACAUUCAA	2457	3 UTR	0.0234	2
DHX33	NM_020162	8	4209	ACAUUCAA	4202	3 UTR	0.0277	2
DHX57	NM_198963	8	3504	AACAUUCA	3497	3 UTR	0.0199	1
DIP2C	NM_014974	9	8317	AACAUUCAA	8309	3 UTR	0.0039	1
DIRAS3	NM_004675	8	8316	ACAUUCAA	8309	3 UTR	0.0155	2
DKC1	NM_001363	10	2459	AACAUUCAAC	2450	3 UTR	0.0011	1
DMGDH	NM_013391	9	2458	ACAUUCAAC	2450	3 UTR	0.0042	2
DMRT3	NM_021240	10	7660	AACAUUCAAC	7651	3 UTR	0.0067	1
DMXL2	NM_015263	9	7659	ACAUUCAAC	7651	3 UTR	0.0265	2
DNAH8	NM_001371	7	3174	ACAUUCA	3168	3 UTR	0.0156	2
DNAJB1	NM_006145	8	4221	ACAUUCAA	4214	3 UTR	0.0262	2
DNAJC13	NM_015268	7	4403	ACAUUCA	4397	3 UTR	0.0333	2
DNAJC3	NM_006260	8	2547	AACAUUCA	2540	3 UTR	0.0047	1
DNAJC7	NM_003315	7	2546	ACAUUCA	2540	3 UTR	0.0187	2
DNHD1	NM_144666	8	5265	AACAUUCA	5258	3 UTR	0.0061	1
DOCK10	NM_014689	7	5264	ACAUUCA	5258	3 UTR	0.0244	2
DOCK4	NM_014705	10	4030	AACAUUCAAC	4021	3 UTR	0.0049	1
DOCK7	NM_033407	9	4029	ACAUUCAAC	4021	3 UTR	0.0196	2
DOK6	NM_152721	7	5089	AACAUUC	5083	3 UTR	0.0499	1
DOPEY1	NM_015018	8	7309	AACAUUCA	7302	3 UTR	0.0380	1
DOPEY2	NM_005128	9	10052	AACAUUCAA	10044	3 UTR	0.0030	1
DPH3	NM_001047434	8	10051	ACAUUCAA	10044	3 UTR	0.0118	2
DPP10	NM_020868	8	2349	AACAUUCA	2342	3 UTR	0.0092	1
DPY19L1	NM_015283	7	2304	AACAUUC	2298	3 UTR	0.0362	1
DPY19L2	NM_173812	8	2726	ACAUUCAA	2719	3 UTR	0.0092	2
DR1	NM_001938	7	2348	ACAUUCA	2342	3 UTR	0.0362	2
DSE	NM_013352	9	1827	ACAUUCAAC	1819	3 UTR	0.0046	2
DYNC1LI2	NM_006141	7	1483	ACAUUCA	1477	3 UTR	0.0236	2
DYNC2H1	NM_001080463	8	3313	AACAUUCA	3306	3 UTR	0.0346	1
DYNLRB1	NM_014183	8	1568	AACAUUCA	1561	3 UTR	0.0277	1
DYRK2	NM_006482	8	4080	ACAUUCAA	4073	3 UTR	0.0323	2
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EDG1	NM_001400	9	5552	AACAUUCAA	5544	3 UTR	0.0146	1
EDNRA	NM_001957	8	2129	ACAUUCAA	2122	3 UTR	0.0047	2
EDNRB	NM_001122659	8	2478	AACAUUCA	2471	3 UTR	0.0073	1

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EFHA2	NM_181723	10	2595	ACAUUCAACG	2586	3 UTR	0.0012	2
EFS	NM_005864	8	2184	ACAUUCAA	2177	3 UTR	0.0190	2
EGFL6	NM_015507	8	9255	AACAUUCA	9248	3 UTR	0.0271	1
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EIF1	NM_005801	8	2866	AACAUUCA	2859	3 UTR	0.0384	1
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EIF4A2	NM_001967	8	2227	ACAUUCAA	2220	3 UTR	0.0347	2
ELAVL2	NM_004432	8	2066	AACAUUCA	2059	3 UTR	0.0350	1
ELAVL4	NM_021952	7	1971	AACAUUC	1965	3 UTR	0.0370	1
EN1	NM_001426	7	1521	AACAUUC	1515	3 UTR	0.0370	1
EN2	NM_001427	7	1474	AACAUUC	1468	3 UTR	0.0288	1
ENDOD1	NM_015036	8	852	AACAUUCA	845	3 UTR	0.0097	1
ENOX2	NM_182314	7	851	ACAUUCA	845	3 UTR	0.0383	2
EPC2	NM_015630	8	3527	ACAUUCAA	3520	3 UTR	0.0297	2
EPDR1	NM_017549	9	2832	AACAUUCAA	2824	3 UTR	0.0136	1
EPHA4	NM_004438	9	1266	AACAUUCAA	1258	3 UTR	0.0136	1
EPS8	NM_004447	7	1739	AACAUUC	1733	3 UTR	0.0275	1
ERAP2	NM_022350	9	3711	AACAUUCAA	3703	3 UTR	0.0037	1
ERC2	NM_015576	8	3710	ACAUUCAA	3703	3 UTR	0.0146	2
ERLIN2	NM_007175	8	5835	ACAUUCAA	5828	3 UTR	0.0431	2
ERMAP	NM_001017922	8	11896	AACAUUCA	11889	3 UTR	0.0153	1
ESCO2	NM_001017420	7	722	AACAUUC	716	3 UTR	0.0418	1
ESM1	NM_007036	7	883	ACAUUCA	877	3 UTR	0.0418	2
ETF1	NM_004730	7	969	ACAUUCA	963	3 UTR	0.0447	2
EVI5	NM_005665	8	2729	AACAUUCA	2722	3 UTR	0.0049	1
EXDL1	NM_152596	7	2160	AACAUUC	2154	3 UTR	0.0337	1
EXOC2	NM_018303	8	3503	ACAUUCAA	3496	3 UTR	0.0305	2
EXOC8	NM_175876	8	4088	ACAUUCAA	4081	3 UTR	0.0414	2
EXOSC2	NM_014285	9	1679	AACAUUCAA	1671	3 UTR	0.0022	1
EXOSC3	NM_016042	8	1678	ACAUUCAA	1671	3 UTR	0.0088	2
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FAM105A	NM_019018	7	1781	ACAUUCA	1775	3 UTR	0.0446	2
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FAM118B	NM_024556	8	1896	AACAUUCA	1889	3 UTR	0.0140	1

FAM119B	NM_206914	8	2690	ACAUUCAA	2683	3 UTR	0.0244	2
FAM135A	NM_001105531	7	469	AACAUUC	463	3 UTR	0.0175	1
FAM135B	NM_015912	8	3982	AACAUUCA	3975	3 UTR	0.0339	1
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FAM24A	NM_001029888	7	2459	AACAUUC	2453	3 UTR	0.0084	1
FAM26D	NM_153036	8	5235	ACAUUCAA	5228	3 UTR	0.0434	2
FAM3B	NM_058186	9	2190	ACAUUCAAC	2182	3 UTR	0.0031	2
FAM43A	NM_153690	8	1939	ACAUUCAA	1932	3 UTR	0.0124	2
FAM47B	NM_152631	9	1702	AACAUUCAA	1694	3 UTR	0.0090	1
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FAM58A	NM_152274	7	11080	AACAUUC	11074	3 UTR	0.0453	1
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FAM71D	NM_173526	8	3385	ACAUUCAA	3378	3 UTR	0.0103	2
FAM84A	NM_145175	9	4748	AACAUUCAA	4740	3 UTR	0.0098	1
FANCM	NM_020937	9	4754	ACAUUCAAC	4746	3 UTR	0.0098	2
FASTKD1	NM_024622	8	4747	ACAUUCAA	4740	3 UTR	0.0387	2
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FBXL3	NM_012158	9	4133	ACAUUCAAC	4125	3 UTR	0.0089	2
FBXO21	NM_033624	8	4126	ACAUUCAA	4119	3 UTR	0.0353	2
FBXO24	NM_033506	7	2525	AACAUUC	2519	3 UTR	0.0128	1
FBXO5	NM_012177	8	3286	AACAUUCA	3279	3 UTR	0.0047	1
FBXW2	NM_012164	7	3285	ACAUUCA	3279	3 UTR	0.0187	2
FCAMR	NM_001122980	7	3022	ACAUUCA	3016	3 UTR	0.0187	2
FDFT1	NM_004462	9	3091	AACAUUCAA	3083	3 UTR	0.0073	1
FGF7	NM_002009	8	2012	AACAUUCA	2005	3 UTR	0.0290	1
FHAD1	NM_052929	8	3090	ACAUUCAA	3083	3 UTR	0.0290	2
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FIGN	NM_018086	7	5727	AACAUUC	5721	3 UTR	0.0391	1
FKBP1A	NM_000801	8	6647	ACAUUCAA	6640	3 UTR	0.0213	2
FKTN	NM_001079802	8	736	ACAUUCAA	729	3 UTR	0.0079	2
FLJ10213	NM_018029	9	4382	AACAUUCAA	4374	3 UTR	0.0068	1
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FLJ11184	NM_018352	8	5241	ACAUUCAA	5234	3 UTR	0.0296	2
FLJ13137	NM_001085375	7	5185	ACAUUCA	5179	3 UTR	0.0320	2
FLJ31818	NM_152556	10	2180	AACAUUCAAC	2171	3 UTR	0.0012	1
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FLJ42957	NM_207436	10	3129	ACAUUCAACG	3120	3 UTR	0.0025	2
FMNL2	NM_052905	7	7200	AACAUUC	7194	3 UTR	0.0460	1
FNDC3A	NM_001079673	7	4028	AACAUUC	4022	3 UTR	0.0338	1
FNDC3B	NM_022763	8	4156	ACAUUCAA	4149	3 UTR	0.0086	2

FOS	NM_005252	8	2820	AACAUUCA	2813	3 UTR	0.0064	1
FPRL1	NM_001462	7	2819	ACAUUCA	2813	3 UTR	0.0252	2
FPRL2	NM_002030	7	4432	ACAUUCA	4426	3 UTR	0.0158	2
FRAT2	NM_012083	8	2540	AACAUUCA	2533	3 UTR	0.0293	1
FRMD7	NM_194277	7	4563	ACAUUCA	4557	3 UTR	0.0351	2
FRMD8	NM_031904	10	7427	AACAUUCAAC	7418	3 UTR	0.0030	1
FUT1	NM_000148	9	7426	ACAUUCAAC	7418	3 UTR	0.0119	2
FUT5	NM_002034	7	1246	ACAUUCA	1240	3 UTR	0.0393	2
G3BP2	NM_203505	7	2432	AACAUUC	2426	3 UTR	0.0493	1
GABRA1	NM_001127644	8	2837	AACAUUCA	2830	3 UTR	0.0076	1
GAL3ST1	NM_004861	7	2836	ACAUUCA	2830	3 UTR	0.0299	2
GALK2	NM_001001556	8	1678	AACAUUCA	1671	3 UTR	0.0110	1
GALNT3	NM_004482	7	1677	ACAUUCA	1671	3 UTR	0.0434	2
GALNTL1	NM_020692	8	10181	AACAUUCA	10174	3 UTR	0.0188	1
GALNTL2	NM_054110	8	14274	AACAUUCA	14267	3 UTR	0.0061	1
GANC	NM_198141	7	14273	ACAUUCA	14267	3 UTR	0.0241	2
GAPVD1	NM_015635	8	1190	AACAUUCA	1183	3 UTR	0.0177	1
GATA2	NM_032638	8	7474	ACAUUCAA	7467	3 UTR	0.0114	2
GATM	NM_001482	9	5051	ACAUUCAAC	5043	3 UTR	0.0000	2
GBF1	NM_004193	8	1781	ACAUUCAA	1774	3 UTR	0.0042	2
GBP6	NM_198460	7	12534	ACAUUCA	12528	3 UTR	0.0020	2
GCN1L1	NM_006836	7	11804	ACAUUCA	11798	3 UTR	0.0020	2
GCNT2	NM_001491	8	7132	AACAUUCA	7125	3 UTR	0.0096	1
GCS1	NM_006302	8	7807	ACAUUCAA	7800	3 UTR	0.0326	2
GDI1	NM_001493	8	6759	AACAUUCA	6752	3 UTR	0.0106	1
GFPT1	NM_002056	7	6758	ACAUUCA	6752	3 UTR	0.0418	2
GGA2	NM_015044	7	6166	AACAUUC	6160	3 UTR	0.0461	1
GGPS1	NM_004837	7	7818	ACAUUCA	7812	3 UTR	0.0157	2
GGT7	NM_178026	7	7664	AACAUUC	7658	3 UTR	0.0426	1
GHITM	NM_014394	7	1095	AACAUUC	1089	3 UTR	0.0185	1
GK	NM_001128127	8	4822	ACAUUCAA	4815	3 UTR	0.0303	2
GLDN	NM_181789	8	2316	ACAUUCAA	2309	3 UTR	0.0404	2
GLRX	NM_002064	8	2638	ACAUUCAA	2631	3 UTR	0.0242	2
GLS	NM_014905	8	2838	AACAUUCA	2831	3 UTR	0.0296	1
GLYCTK	NM_145262	8	3926	AACAUUCA	3919	3 UTR	0.0147	1
GNA12	NM_007353	8	2943	AACAUUCA	2936	3 UTR	0.0424	1
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GNS	NM_002076	8	1991	AACAUUCA	1984	3 UTR	0.0424	1
GOLGA7	NM_001002296	7	13523	ACAUUCA	13517	3 UTR	0.0365	2
GOT1	NM_002079	7	406	AACAUUC	400	3 UTR	0.0212	1
GP5	NM_004488	9	5940	ACAUUCAAC	5932	3 UTR	0.0150	2

GPBP1	NM_001127235	7	1167	ACAUUCA	1161	3 UTR	0.0398	2
GPC5	NM_004466	8	2750	ACAUUCAA	2743	3 UTR	0.0209	2
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GPLD1	NM_001503	8	2339	AACAUUCA	2332	3 UTR	0.0353	1
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GPR22	NM_005295	8	3293	AACAUUCA	3286	3 UTR	0.0355	1
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GREM1	NM_013372	7	1906	ACAUUCA	1900	3 UTR	0.0298	2
GRIK2	NM_175768	9	6285	AACAUUCAA	6277	3 UTR	0.0028	1
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GRM8	NM_001127323	9	2728	AACAUUCAA	2720	3 UTR	0.0099	1
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GSTCD	NM_024751	7	865	AACAUUC	859	3 UTR	0.0488	1
GTF2E1	NM_005513	8	3941	ACAUUCAA	3934	3 UTR	0.0363	2
GTF2H1	NM_005316	7	5065	AACAUUC	5059	3 UTR	0.0319	1
GTF2H5	NM_207118	8	3315	AACAUUCA	3308	3 UTR	0.0307	1
GTPBP10	NM_033107	9	1866	AACAUUCAA	1858	3 UTR	0.0024	1
GTPBP3	NM_133644	8	1865	ACAUUCAA	1858	3 UTR	0.0097	2
GTSE1	NM_016426	9	2693	AACAUUCAA	2685	3 UTR	0.0093	1
GUCA1B	NM_002098	8	2692	ACAUUCAA	2685	3 UTR	0.0367	2
H2AFJ	NM_177925	9	1664	AACAUUCAA	1656	3 UTR	0.0009	1
H3F3B	NM_005324	8	1663	ACAUUCAA	1656	3 UTR	0.0034	2
HAND2	NM_021973	8	2679	ACAUUCAA	2672	3 UTR	0.0116	2
HAO1	NM_017545	8	3282	AACAUUCA	3275	3 UTR	0.0323	1
HAPLN1	NM_001884	9	4243	AACAUUCAA	4235	3 UTR	0.0117	1
HBD	NM_000519	8	2910	AACAUUCA	2903	3 UTR	0.0458	1
HCN2	NM_001194	8	4242	ACAUUCAA	4235	3 UTR	0.0458	2
HEATR3	NM_182922	8	3223	AACAUUCA	3216	3 UTR	0.0291	1
HEMGN	NM_018437	8	3109	ACAUUCAA	3102	3 UTR	0.0180	2
HEPH	NM_001130860	9	2297	ACAUUCAAC	2289	3 UTR	0.0059	2
HHIP	NM_022475	8	4481	AACAUUCA	4474	3 UTR	0.0500	1
HIG2	NM_013332	8	3717	AACAUUCA	3710	3 UTR	0.0179	1
HIGD2A	NM_138820	8	4804	ACAUUCAA	4797	3 UTR	0.0315	2
HINT3	NM_138571	8	3453	ACAUUCAA	3446	3 UTR	0.0449	2
HISPPD1	NM_015216	10	3913	AACAUUCAAC	3904	3 UTR	0.0035	1
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HK2	NM_000189	9	3282	AACAUUCAA	3274	3 UTR	0.0068	1

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HLA-C	NM_002117	8	2143	AACAUUCA	2136	3 UTR	0.0224	1
HMGA2	NM_003483	8	2014	ACAUUCAA	2007	3 UTR	0.0221	2
HMGB2	NM_002129	8	2448	AACAUUCA	2441	3 UTR	0.0335	1
HMGCL	NM_000191	9	6205	AACAUUCAA	6197	3 UTR	0.0187	1
HOOK1	NM_015888	10	2312	AACAUUCAAC	2303	3 UTR	0.0012	1
HOOK3	NM_032410	9	2305	AACAUUCAA	2297	3 UTR	0.0046	1
HOXA11	NM_005523	9	2311	ACAUUCAAC	2303	3 UTR	0.0046	2
HOXB5	NM_002147	8	2304	ACAUUCAA	2297	3 UTR	0.0183	2
HOXD1	NM_024501	8	4369	AACAUUCA	4362	3 UTR	0.0234	1
HPS4	NM_022081	8	4374	ACAUUCAA	4367	3 UTR	0.0423	2
HPSE2	NM_021828	8	1827	AACAUUCA	1820	3 UTR	0.0195	1
HRH1	NM_001098213	7	952	ACAUUCA	946	3 UTR	0.0222	2
HS2ST1	NM_012262	7	1376	ACAUUCA	1370	3 UTR	0.0472	2
HS3ST2	NM_006043	8	2883	AACAUUCA	2876	3 UTR	0.0390	1
HS3ST3A1	NM_006042	7	695	AACAUUC	689	3 UTR	0.0421	1
HSD11B1	NM_181755	7	5024	AACAUUC	5018	3 UTR	0.0466	1
HSD3B1	NM_000862	8	4556	ACAUUCAA	4549	3 UTR	0.0119	2
HSDL2	NM_032303	8	2167	ACAUUCAA	2160	3 UTR	0.0393	2
HSPA1L	NM_005527	7	1390	AACAUUC	1384	3 UTR	0.0332	1
HSPB3	NM_006308	8	2480	ACAUUCAA	2473	3 UTR	0.0342	2
HSPC159	NM_014181	9	5192	AACAUUCAA	5184	3 UTR	0.0048	1
HTF9C	NM_022727	8	5191	ACAUUCAA	5184	3 UTR	0.0189	2
HYAL4	NM_012269	9	6023	ACAUUCAAC	6015	3 UTR	0.0098	2
ICT1	NM_001545	8	4884	AACAUUCA	4877	3 UTR	0.0386	1
ID4	NM_001546	7	498	AACAUUC	492	3 UTR	0.0095	1
IDH1	NM_005896	8	1064	AACAUUCA	1057	3 UTR	0.0100	1
IFNG	NM_000619	7	1063	ACAUUCA	1057	3 UTR	0.0393	2
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IL25	NM_022789	8	6756	AACAUUCA	6749	3 UTR	0.0136	1
IMP3	NM_018285	8	2953	AACAUUCA	2946	3 UTR	0.0013	1
IMPG1	NM_001563	7	2952	ACAUUCA	2946	3 UTR	0.0054	2
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INDOL1	NM_194294	8	2157	AACAUUCA	2150	3 UTR	0.0286	1
INOC1	NM_017553	8	3019	ACAUUCAA	3012	3 UTR	0.0348	2
INPP4B	NM_003866	7	2173	AACAUUC	2167	3 UTR	0.0155	1
INPP5E	NM_019892	8	1490	AACAUUCA	1483	3 UTR	0.0100	1
INVS	NM_014425	7	1489	ACAUUCA	1483	3 UTR	0.0393	2
IPPK	NM_022755	9	2183	AACAUUCAA	2175	3 UTR	0.0285	1
IQWD1	NM_018442	8	2446	AACAUUCA	2439	3 UTR	0.0069	1
IRF5	NM_001098629	7	2445	ACAUUCA	2439	3 UTR	0.0275	2
IRS2	NM_003749	9	1775	AACAUUCAA	1767	3 UTR	0.0027	1
ITGA3	NM_002204	8	1774	ACAUUCAA	1767	3 UTR	0.0108	2
ITGB8	NM_002214	8	3132	AACAUUCA	3125	3 UTR	0.0422	1
ITLN1	NM_017625	7	4584	ACAUUCA	4578	3 UTR	0.0426	2
ITSN1	NM_003024	8	1708	AACAUUCA	1701	3 UTR	0.0236	1
ITSN2	NM_006277	8	2626	AACAUUCA	2619	3 UTR	0.0292	1
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IYD	NM_203395	8	3371	ACAUUCAA	3364	3 UTR	0.0292	2
JARID2	NM_004973	9	1399	AACAUUCAA	1391	3 UTR	0.0044	1
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JOSD3	NM_024116	9	2805	ACAUUCAAC	2797	3 UTR	0.0221	2
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KCNA1	NM_000217	8	3929	AACAUUCA	3922	3 UTR	0.0470	1
KCNA6	NM_002235	8	2834	ACAUUCAA	2827	3 UTR	0.0392	2
KCNB1	NM_004975	9	2102	AACAUUCAA	2094	3 UTR	0.0047	1
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KHDC1	NM_030568	7	1742	ACAUUCA	1736	3 UTR	0.0488	2
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KIAA0182	NM_014615	8	1471	ACAUUCAA	1464	3 UTR	0.0210	2
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KIAA0241	NM_015060	8	3704	ACAUUCAA	3697	3 UTR	0.0328	2
KIAA0408	NM_014702	8	3439	AACAUUCA	3432	3 UTR	0.0326	1
KIAA0423	NM_015091	7	1581	ACAUUCA	1575	3 UTR	0.0462	2
KIAA0528	NM_014802	8	4352	ACAUUCAA	4345	3 UTR	0.0398	2
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KIAA1128	NM_018999	7	1726	AACAUUC	1720	3 UTR	0.0191	1
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KIF5A	NM_004984	9	2691	ACAUUCAAC	2683	3 UTR	0.0044	2
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KL	NM_004795	9	6573	AACAUUCAA	6565	3 UTR	0.0087	1
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KLHL5	NM_015990	8	2738	ACAUUCAA	2731	3 UTR	0.0402	2
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KLK5	NM_012427	9	3671	ACAUUCAAC	3663	3 UTR	0.0105	2
KLK7	NM_005046	7	2843	ACAUUCA	2837	3 UTR	0.0141	2
KLRF1	NM_016523	7	2411	ACAUUCA	2405	3 UTR	0.0488	2
KPNA4	NM_002268	9	6688	ACAUUCAAC	6680	3 UTR	0.0242	2
KRT40	NM_182497	8	3172	ACAUUCAA	3165	3 UTR	0.0489	2
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LACE1	NM_145315	9	1975	AACAUUCAA	1967	3 UTR	0.0046	1
LAMA3	NM_198129	8	1974	ACAUUCAA	1967	3 UTR	0.0182	2
LAMC1	NM_002293	8	2350	AACAUUCA	2343	3 UTR	0.0281	1
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LAS1L	NM_031206	8	3690	AACAUUCA	3683	3 UTR	0.0312	1
LASS3	NM_178842	8	3749	AACAUUCA	3742	3 UTR	0.0057	1
LATS2	NM_014572	7	3748	ACAUUCA	3742	3 UTR	0.0226	2
LBR	NM_002296	8	4347	AACAUUCA	4340	3 UTR	0.0460	1
LCOR	NM_032440	8	2573	AACAUUCA	2566	3 UTR	0.0460	1
LEAP2	NM_052971	7	2012	AACAUUC	2006	3 UTR	0.0224	1

LHFPL3	NM_199000	8	3684	AACAUUCA	3677	3 UTR	0.0493	1
LHX3	NM_014564	9	1328	AACAUUCAA	1320	3 UTR	0.0054	1
LHX6	NM_014368	8	1327	ACAUUCAA	1320	3 UTR	0.0215	2
LIG4	NM_002312	7	1844	ACAUUCA	1838	3 UTR	0.0412	2
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LIN7C	NM_018362	8	3029	ACAUUCAA	3022	3 UTR	0.0268	2
LMAN1	NM_005570	8	2955	AACAUUCA	2948	3 UTR	0.0128	1
LMBRD2	NM_001007527	7	2608	ACAUUCA	2602	3 UTR	0.0488	2
LMO1	NM_002315	7	3789	AACAUUC	3783	3 UTR	0.0287	1
LMO3	NM_018640	7	4710	ACAUUCA	4704	3 UTR	0.0287	2
LOC196415	NM_001101339	8	2983	ACAUUCAA	2976	3 UTR	0.0130	2
LOC389073	NM_001099334	7	1609	AACAUUC	1603	3 UTR	0.0450	1
LOC440087	NM_001013698	9	5627	AACAUUCAA	5619	3 UTR	0.0169	1
LOC493869	NM_001008397	7	1060	ACAUUCA	1054	3 UTR	0.0133	2
LOC644096	NM_001042631	8	3433	AACAUUCA	3426	3 UTR	0.0377	1
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LONRF1	NM_152271	8	4610	AACAUUCA	4603	3 UTR	0.0241	1
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LRGUK	NM_144648	8	3316	AACAUUCA	3309	3 UTR	0.0268	1
LRP11	NM_032832	7	7720	AACAUUC	7714	3 UTR	0.0491	1
LRP2BP	NM_018409	7	4486	ACAUUCA	4480	3 UTR	0.0491	2
LRP4	NM_002334	7	4345	ACAUUCA	4339	3 UTR	0.0491	2
LRRC48	NM_001130090	7	3915	ACAUUCA	3909	3 UTR	0.0491	2
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LRRN1	NM_020873	7	5363	ACAUUCA	5357	3 UTR	0.0064	2
LTBP2	NM_000428	8	3952	AACAUUCA	3945	3 UTR	0.0325	1
LTV1	NM_032860	8	3009	AACAUUCA	3002	3 UTR	0.0241	1
LYG2	NM_175735	8	2814	AACAUUCA	2807	3 UTR	0.0178	1
LYPLA2	NM_007260	7	6498	AACAUUC	6492	3 UTR	0.0121	1
LYRM1	NM_001128301	7	4595	ACAUUCA	4589	3 UTR	0.0121	2
LYSMD3	NM_198273	8	2478	ACAUUCAA	2471	3 UTR	0.0327	2
MAB21L2	NM_006439	9	2591	AACAUUCAA	2583	3 UTR	0.0040	1
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MAGI3	NM_152900	8	2947	ACAUUCAA	2940	3 UTR	0.0335	2
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MAP2K1	NM_002755	8	1708	ACAUUCAA	1701	3 UTR	0.0331	2

MAP3K10	NM_002446	8	1900	AACAUUCA	1893	3 UTR	0.0118	1
MAP3K8	NM_005204	7	1899	ACAUUCA	1893	3 UTR	0.0463	2
MAP3K9	NM_033141	8	1651	ACAUUCAA	1644	3 UTR	0.0092	2
MAP6	NM_207577	8	2835	AACAUUCA	2828	3 UTR	0.0491	1
MAPK1	NM_002745	7	757	AACAUUC	751	3 UTR	0.0082	1
MARK1	NM_018650	7	3309	ACAUUCA	3303	3 UTR	0.0439	2
MBD4	NM_003925	8	2280	ACAUUCAA	2273	3 UTR	0.0064	2
MBNL2	NM_144778	7	2093	ACAUUCA	2087	3 UTR	0.0368	2
MBTPS2	NM_015884	7	4343	AACAUUC	4337	3 UTR	0.0428	1
MCM10	NM_182751	7	3225	AACAUUC	3219	3 UTR	0.0460	1
MCM3	NM_002388	8	1134	ACAUUCAA	1127	3 UTR	0.0148	2
MDH1B	NM_001039845	9	548	AACAUUCAA	540	3 UTR	0.0010	1
MDM2	NM_002392	8	547	ACAUUCAA	540	3 UTR	0.0041	2
ME2	NM_002396	8	2235	AACAUUCA	2228	3 UTR	0.0387	1
MED10	NM_032286	9	5171	ACAUUCAAC	5163	3 UTR	0.0060	2
MEGF11	NM_032445	7	824	ACAUUCA	818	3 UTR	0.0034	2
MELK	NM_014791	9	6873	AACAUUCAA	6865	3 UTR	0.0092	1
MEPE	NM_020203	8	6872	ACAUUCAA	6865	3 UTR	0.0364	2
MERTK	NM_006343	7	1254	ACAUUCA	1248	3 UTR	0.0262	2
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MFSD8	NM_152778	9	1054	ACAUUCAAC	1046	3 UTR	0.0027	2
MGC16169	NM_033115	7	1551	ACAUUCA	1545	3 UTR	0.0357	2
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MINA	NM_001042533	8	1150	AACAUUCA	1143	3 UTR	0.0146	1
MINK1	NM_153827	8	1859	ACAUUCAA	1852	3 UTR	0.0118	2
MKLN1	NM_013255	8	3774	AACAUUCA	3767	3 UTR	0.0264	1
MKNK2	NM_199054	7	2101	AACAUUC	2095	3 UTR	0.0273	1
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MMP10	NM_002425	7	1479	ACAUUCA	1473	3 UTR	0.0472	2
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MOCS2	NM_004531	7	2140	ACAUUCA	2134	3 UTR	0.0317	2
MORC3	NM_015358	7	1173	ACAUUCA	1167	3 UTR	0.0258	2
MOSC2	NM_017898	9	1673	AACAUUCAA	1665	3 UTR	0.0016	1
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MPP7	NM_173496	8	2127	ACAUUCAA	2120	3 UTR	0.0280	2

MRPS14	NM_022100	8	2342	ACAUUCAA	2335	3 UTR	0.0067	2
MRPS16	NM_016065	7	698	AACAUUC	692	3 UTR	0.0083	1
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MRPS35	NM_021821	7	765	AACAUUC	759	3 UTR	0.0160	1
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MS4A1	NM_152866	8	2033	AACAUUCA	2026	3 UTR	0.0130	1
MSI2	NM_170721	8	1054	ACAUUCAA	1047	3 UTR	0.0093	2
MTF2	NM_007358	8	2092	AACAUUCA	2085	3 UTR	0.0032	1
MTL5	NM_001039656	7	2091	ACAUUCA	2085	3 UTR	0.0127	2
MTMR1	NM_003828	9	3632	AACAUUCAA	3624	3 UTR	0.0059	1
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MTMR6	NM_004685	7	1370	AACAUUC	1364	3 UTR	0.0066	1
MTPN	NM_145808	8	1908	AACAUUCA	1901	3 UTR	0.0176	1
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MUC7	NM_152291	8	3779	AACAUUCA	3772	3 UTR	0.0419	1
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MYADM	NM_001020818	9	597	ACAUUCAAC	589	3 UTR	0.0012	2
MYBL1	NM_001080416	8	1328	ACAUUCAA	1321	3 UTR	0.0083	2
MYBPC1	NM_002465	7	825	AACAUUC	819	3 UTR	0.0312	1
MYH10	NM_005964	7	2982	ACAUUCA	2976	3 UTR	0.0444	2
MYL1	NM_079420	8	8448	AACAUUCA	8441	3 UTR	0.0445	1
MYO15A	NM_016239	8	3247	AACAUUCA	3240	3 UTR	0.0179	1
MYO7B	NM_001080527	7	1975	ACAUUCA	1969	3 UTR	0.0470	2
MYO9B	NM_001130065	8	6117	ACAUUCAA	6110	3 UTR	0.0206	2
NAALADL2	NM_207015	7	4063	ACAUUCA	4057	3 UTR	0.0459	2
NAP1L2	NM_021963	8	3288	ACAUUCAA	3281	3 UTR	0.0169	2
NCAPG	NM_022346	7	3571	AACAUUC	3565	3 UTR	0.0283	1
NCAPH	NM_015341	8	1851	AACAUUCA	1844	3 UTR	0.0396	1
NCL	NM_005381	7	3087	AACAUUC	3081	3 UTR	0.0252	1
NCOA2	NM_006540	8	2227	AACAUUCA	2220	3 UTR	0.0187	1
NCOA7	NM_181782	9	6181	ACAUUCAAC	6173	3 UTR	0.0094	2
NCR2	NM_004828	8	4696	ACAUUCAA	4689	3 UTR	0.0215	2
NDUFB1	NM_004545	9	3993	AACAUUCAA	3985	3 UTR	0.0218	1
NEBL	NM_006393	7	1144	AACAUUC	1138	3 UTR	0.0092	1
NEK9	NM_033116	8	6355	ACAUUCAA	6348	3 UTR	0.0152	2

NELL2	NM_006159	9	5689	ACAUUCAAC	5681	3 UTR	0.0029	2
NEO1	NM_002499	7	4472	ACAUUCA	4466	3 UTR	0.0360	2
NFAT5	NM_138714	9	3704	ACAUUCAAC	3696	3 UTR	0.0241	2
NFYC	NM_014223	8	5014	ACAUUCAA	5007	3 UTR	0.0267	2
NIPBL	NM_015384	7	4224	AACAUUC	4218	3 UTR	0.0365	1
NKTR	NM_005385	7	1054	ACAUUCA	1048	3 UTR	0.0147	2
NLK	NM_016231	8	3259	ACAUUCAA	3252	3 UTR	0.0242	2
NLN	NM_020726	10	4768	AACAUUCAAC	4759	3 UTR	0.0066	1
NME6	NM_005793	9	4767	ACAUUCAAC	4759	3 UTR	0.0260	2
NMT2	NM_004808	8	4032	ACAUUCAA	4025	3 UTR	0.0435	2
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PAX5	NM_016734	8	3329	ACAUUCAA	3322	3 UTR	0.0173	2
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PDGFRA	NM_006206	8	2037	AACAUUCA	2030	3 UTR	0.0330	1
PDIA6	NM_005742	8	3216	ACAUUCAA	3209	3 UTR	0.0167	2
PDXDC1	NM_015027	8	2424	AACAUUCA	2417	3 UTR	0.0126	1
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PEBP1	NM_002567	9	2184	ACAUUCAAC	2176	3 UTR	0.0156	2
PEF1	NM_012392	9	3841	AACAUUCAA	3833	3 UTR	0.0124	1
PEG3	NM_006210	8	1867	AACAUUCA	1860	3 UTR	0.0489	1
PER2	NM_022817	8	3840	ACAUUCAA	3833	3 UTR	0.0489	2
PER3	NM_016831	8	2306	ACAUUCAA	2299	3 UTR	0.0489	2
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PHF20L1	NM_016018	10	1068	AACAUUCAAC	1059	3 UTR	0.0027	1
PHF3	NM_015153	9	1067	ACAUUCAAC	1059	3 UTR	0.0108	2
PHIP	NM_017934	8	957	ACAUUCAA	950	3 UTR	0.0132	2
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PI4K2B	NM_018323	7	1082	AACAUUC	1076	3 UTR	0.0422	1
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PIH1D2	NM_001082619	8	1126	AACAUUCA	1119	3 UTR	0.0061	1
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PIK3R3	NM_003629	8	2599	ACAUUCAA	2592	3 UTR	0.0181	2
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PLD1	NM_002662	8	6715	AACAUUCA	6708	3 UTR	0.0320	1
PLDN	NM_012388	7	1959	ACAUUCA	1953	3 UTR	0.0141	2
PLEKHA1	NM_001001974	8	3304	AACAUUCA	3297	3 UTR	0.0120	1

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PNMA1	NM_006029	9	3470	AACAUUCAA	3462	3 UTR	0.0035	1
PNMA2	NM_007257	8	3469	ACAUUCAA	3462	3 UTR	0.0138	2
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POLR3F	NM_006466	7	823	ACAUUCA	817	3 UTR	0.0078	2
POLR3G	NM_006467	7	1276	ACAUUCA	1270	3 UTR	0.0495	2
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PPP1R3C	NM_005398	7	1670	AACAUUC	1664	3 UTR	0.0214	1
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PPP2R3A	NM_002718	8	4772	AACAUUCA	4765	3 UTR	0.0344	1
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PRDX5	NM_012094	9	4724	AACAUUCAA	4716	3 UTR	0.0085	1
PRKAG2	NM_016203	8	4723	ACAUUCAA	4716	3 UTR	0.0337	2
PRKCA	NM_002737	8	3740	ACAUUCAA	3733	3 UTR	0.0441	2
PRKG1	NM_001098512	9	5172	AACAUUCAA	5164	3 UTR	0.0174	1
PRM1	NM_002761	8	3048	ACAUUCAA	3041	3 UTR	0.0346	2
PRMT2	NM_206962	7	2092	ACAUUCA	2086	3 UTR	0.0331	2
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PRR6	NM_181716	8	5278	ACAUUCAA	5271	3 UTR	0.0089	2
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PSPC1	NM_001042414	8	4510	AACAUUCA	4503	3 UTR	0.0424	1
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PTGER3	NM_198715	7	410	ACAUUCA	404	3 UTR	0.0260	2
PTGES2	NM_025072	8	2242	AACAUUCA	2235	3 UTR	0.0029	1
PTGS2	NM_000963	7	2241	ACAUUCA	2235	3 UTR	0.0117	2
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PTPN22	NM_015967	7	3287	ACAUUCA	3281	3 UTR	0.0072	2
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RAD21	NM_006265	7	1409	AACAUUC	1403	3 UTR	0.0331	1
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REC8	NM_001048205	7	655	ACAUUCA	649	3 UTR	0.0183	2
RECK	NM_021111	8	2493	AACAUUCA	2486	3 UTR	0.0229	1
RECQL	NM_002907	8	1710	ACAUUCAA	1703	3 UTR	0.0130	2
REEP1	NM_022912	7	1451	AACAUUC	1445	3 UTR	0.0130	1
REEP5	NM_005669	8	1473	ACAUUCAA	1466	3 UTR	0.0343	2
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RERE	NM_012102	9	3811	AACAUUCAA	3803	3 UTR	0.0079	1
RFC3	NM_002915	8	3810	ACAUUCAA	3803	3 UTR	0.0311	2
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RGS13	NM_002927	9	2646	AACAUUCAA	2638	3 UTR	0.0023	1
RGS18	NM_130782	8	2645	ACAUUCAA	2638	3 UTR	0.0091	2
RGS22	NM_015668	8	4918	ACAUUCAA	4911	3 UTR	0.0380	2
RHOG	NM_001665	9	3847	AACAUUCAA	3839	3 UTR	0.0105	1
RIOK2	NM_018343	9	3798	AACAUUCAA	3790	3 UTR	0.0105	1
RLBP1L1	NM_173519	9	4696	ACAUUCAAC	4688	3 UTR	0.0105	2
RLF	NM_012421	8	3846	ACAUUCAA	3839	3 UTR	0.0414	2
RNASE4	NM_002937	8	3797	ACAUUCAA	3790	3 UTR	0.0414	2
RNF125	NM_017831	8	3408	ACAUUCAA	3401	3 UTR	0.0414	2
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RNF34	NM_194271	9	1273	AACAUUCAA	1265	3 UTR	0.0014	1
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RPAP3	NM_024604	8	3622	ACAUUCAA	3615	3 UTR	0.0049	2
RPE65	NM_000329	8	7033	AACAUUCA	7026	3 UTR	0.0240	1
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RPN2	NM_002951	8	11859	AACAUUCA	11852	3 UTR	0.0143	1
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RPS6KC1	NM_012424	8	7334	ACAUUCAA	7327	3 UTR	0.0216	2
RRAGA	NM_006570	9	2980	AACAUUCAA	2972	3 UTR	0.0093	1

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RSPO2	NM_178565	7	1911	AACAUUC	1905	3 UTR	0.0488	1
RTN1	NM_021136	8	3852	AACAUUCA	3845	3 UTR	0.0220	1
RUFY2	NM_017987	8	4301	AACAUUCA	4294	3 UTR	0.0328	1
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RWDD2B	NM_016940	8	4876	ACAUUCAA	4869	3 UTR	0.0241	2
RYR3	NM_001036	8	3904	AACAUUCA	3897	3 UTR	0.0352	1
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SAMHD1	NM_015474	7	374	AACAUUC	368	3 UTR	0.0051	1
SCAPER	NM_020843	9	7926	AACAUUCAA	7918	3 UTR	0.0218	1
SCG5	NM_003020	7	4091	ACAUUCA	4085	3 UTR	0.0177	2
SCHIP1	NM_014575	7	2693	AACAUUC	2687	3 UTR	0.0390	1
SCOC	NM_032547	8	5378	AACAUUCA	5371	3 UTR	0.0379	1
SDF2L1	NM_022044	9	6729	AACAUUCAA	6721	3 UTR	0.0312	1
SEC16B	NM_033127	7	1791	ACAUUCA	1785	3 UTR	0.0462	2
SEC24B	NM_006323	8	9756	AACAUUCA	9749	3 UTR	0.0270	1
SECISBP2	NM_024077	8	6086	ACAUUCAA	6079	3 UTR	0.0415	2
SELK	NM_021237	8	3012	ACAUUCAA	3005	3 UTR	0.0265	2
SELT	NM_016275	7	2495	ACAUUCA	2489	3 UTR	0.0389	2
SEMA3B	NM_004636	7	823	AACAUUC	817	3 UTR	0.0335	1
SEMA3C	NM_006379	9	2758	AACAUUCAA	2750	3 UTR	0.0130	1
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SETX	NM_015046	8	3659	ACAUUCAA	3652	3 UTR	0.0383	2
SF1	NM_004630	7	4192	AACAUUC	4186	3 UTR	0.0263	1
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SF4	NM_172231	8	2147	ACAUUCAA	2140	3 UTR	0.0312	2
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SGK2	NM_016276	9	2265	AACAUUCAA	2257	3 UTR	0.0157	1
SGK269	NM_024776	8	2326	AACAUUCA	2319	3 UTR	0.0351	1
SGK3	NM_001033578	9	5589	AACAUUCAA	5581	3 UTR	0.0150	1
SGOL2	NM_152524	8	5079	ACAUUCAA	5072	3 UTR	0.0451	2
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SIN3B	NM_015260	8	2705	AACAUUCA	2698	3 UTR	0.0248	1
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SIX2	NM_016932	7	3050	ACAUUCA	3044	3 UTR	0.0368	2
SKP1	NM_006930	8	3596	ACAUUCAA	3589	3 UTR	0.0160	2
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SLFN11	NM_001104587	7	2084	ACAUUCA	2078	3 UTR	0.0337	2
SLMAP	NM_007159	8	1538	AACAUUCA	1531	3 UTR	0.0293	1
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SMAD7	NM_005904	11	5833	AACAUUCAACG	5823	3 UTR	0.0014	1
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SNAP25	NM_003081	9	1380	AACAUUCAA	1372	3 UTR	0.0124	1
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SNX13	NM_015132	9	2241	ACAUUCAAC	2233	3 UTR	0.0096	2
SOAT2	NM_003578	8	2234	ACAUUCAA	2227	3 UTR	0.0380	2
SOBP	NM_018013	8	1785	AACAUUCA	1778	3 UTR	0.0019	1
SOCS4	NM_199421	7	1784	ACAUUCA	1778	3 UTR	0.0075	2
SOD3	NM_003102	9	1361	AACAUUCAA	1353	3 UTR	0.0025	1
SORBS2	NM_021069	8	1360	ACAUUCAA	1353	3 UTR	0.0100	2
SOX17	NM_022454	8	2475	ACAUUCAA	2468	3 UTR	0.0304	2
SOX6	NM_017508	9	7408	AACAUUCAA	7400	3 UTR	0.0104	1
SPAG1	NM_003114	8	7407	ACAUUCAA	7400	3 UTR	0.0408	2
SPATA1	NM_001081472	9	2562	AACAUUCAA	2554	3 UTR	0.0057	1
SPECC1L	NM_015330	8	2561	ACAUUCAA	2554	3 UTR	0.0225	2
SPG21	NM_016630	8	3318	AACAUUCA	3311	3 UTR	0.0283	1
SPIRE1	NM_001128626	7	1646	AACAUUC	1640	3 UTR	0.0233	1
SPOCK3	NM_016950	9	6846	AACAUUCAA	6838	3 UTR	0.0162	1
SPP1	NM_001040058	9	8433	AACAUUCAA	8425	3 UTR	0.0163	1
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SPTLC1	NM_006415	8	6647	AACAUUCA	6640	3 UTR	0.0115	1
SPTLC3	NM_018327	7	6646	ACAUUCA	6640	3 UTR	0.0452	2
SREBF2	NM_004599	10	8384	AACAUUCAAC	8375	3 UTR	0.0044	1
SRF	NM_003131	9	6730	AACAUUCAA	6722	3 UTR	0.0176	1
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SS18L2	NM_016305	9	4376	ACAUUCAAC	4368	3 UTR	0.0091	2
SSB	NM_003142	8	4435	AACAUUCA	4428	3 UTR	0.0361	1
SSH2	NM_033389	9	4482	ACAUUCAAC	4474	3 UTR	0.0091	2
ST6GALNAC3	NM_152996	8	4293	AACAUUCA	4286	3 UTR	0.0361	1
ST6GALNAC5	NM_030965	9	4340	ACAUUCAAC	4332	3 UTR	0.0091	2
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STAMBPL1	NM_020799	9	4409	ACAUUCAAC	4401	3 UTR	0.0091	2
STAT5A	NM_003152	9	5967	AACAUUCAA	5959	3 UTR	0.0119	1
STCH	NM_006948	8	5966	ACAUUCAA	5959	3 UTR	0.0467	2
STEAP4	NM_024636	8	4550	AACAUUCA	4543	3 UTR	0.0361	1
STK17B	NM_004226	9	4597	ACAUUCAAC	4589	3 UTR	0.0091	2
STK25	NM_006374	8	4746	AACAUUCA	4739	3 UTR	0.0363	1
STK32C	NM_173575	9	4793	ACAUUCAAC	4785	3 UTR	0.0092	2
STX12	NM_177424	8	2583	AACAUUCA	2576	3 UTR	0.0119	1

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SUMO3	NM_006936	7	3024	ACAUUCA	3018	3 UTR	0.0386	2
SUSD5	NM_015551	9	1818	ACAUUCAAC	1810	3 UTR	0.0051	2
SYN2	NM_003178	8	1520	ACAUUCAA	1513	3 UTR	0.0072	2
SYNE1	NM_182961	8	1262	ACAUUCAA	1255	3 UTR	0.0255	2
SYNPR	NM_144642	9	4631	AACAUUCAA	4623	3 UTR	0.0098	1
SYT15	NM_031912	8	3489	AACAUUCA	3482	3 UTR	0.0387	1
SYT16	NM_031914	8	4630	ACAUUCAA	4623	3 UTR	0.0387	2
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TADA1L	NM_053053	8	920	ACAUUCAA	913	3 UTR	0.0258	2
TAF15	NM_003487	7	1127	AACAUUC	1121	3 UTR	0.0286	1
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TAF9B	NM_015975	8	4140	ACAUUCAA	4133	3 UTR	0.0175	2
TAGLN3	NM_013259	8	6371	ACAUUCAA	6364	3 UTR	0.0444	2
TAPT1	NM_153365	9	1756	AACAUUCAA	1748	3 UTR	0.0034	1
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TBC1D9	NM_015130	9	1035	AACAUUCAA	1027	3 UTR	0.0027	1
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TBPL1	NM_004865	8	1437	AACAUUCA	1430	3 UTR	0.0121	1
TBXA2R	NM_001060	7	1436	ACAUUCA	1430	3 UTR	0.0475	2
TCERG1	NM_006706	9	1105	ACAUUCAAC	1097	3 UTR	0.0029	2
TCF7L2	NM_030756	9	7629	AACAUUCAA	7621	3 UTR	0.0047	1
TCTN3	NM_015631	8	7628	ACAUUCAA	7621	3 UTR	0.0187	2
TDRD3	NM_030794	8	5937	AACAUUCA	5930	3 UTR	0.0350	1
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TGIF2	NM_021809	8	3925	AACAUUCA	3918	3 UTR	0.0431	1
THOC7	NM_025075	7	6502	ACAUUCA	6496	3 UTR	0.0477	2
THSD7B	NM_001080427	8	9204	AACAUUCA	9197	3 UTR	0.0022	1
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TIFA	NM_052864	7	5799	AACAUUC	5793	3 UTR	0.0089	1
TIMELESS	NM_003920	7	9203	ACAUUCA	9197	3 UTR	0.0089	2
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TMEM144	NM_018342	8	5140	AACAUUCA	5133	3 UTR	0.0473	1
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TMEM22	NM_025246	8	3548	AACAUUCA	3541	3 UTR	0.0315	1
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TNFAIP1	NM_021137	8	1251	AACAUUCA	1244	3 UTR	0.0237	1
TNFAIP6	NM_007115	7	1670	AACAUUC	1664	3 UTR	0.0479	1
TNFRSF11B	NM_002546	7	2188	ACAUUCA	2182	3 UTR	0.0487	2
TNFSF15	NM_005118	8	3267	ACAUUCAA	3260	3 UTR	0.0445	2
TNFSF4	NM_003326	8	1855	ACAUUCAA	1848	3 UTR	0.0146	2
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TNKS	NM_003747	8	1860	AACAUUCA	1853	3 UTR	0.0168	1
TNPO1	NM_002270	8	2995	AACAUUCA	2988	3 UTR	0.0361	1
TNS3	NM_022748	7	558	ACAUUCA	552	3 UTR	0.0259	2
TOM1L1	NM_005486	8	1250	ACAUUCAA	1243	3 UTR	0.0035	2
TOM1L2	NM_001082968	7	1277	ACAUUCA	1271	3 UTR	0.0294	2
TOPBP1	NM_007027	8	3192	AACAUUCA	3185	3 UTR	0.0371	1
TOR1A	NM_000113	9	2279	AACAUUCAA	2271	3 UTR	0.0059	1
TOX	NM_014729	8	2278	ACAUUCAA	2271	3 UTR	0.0235	2
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TRADD	NM_003789	10	2922	AACAUUCAAC	2913	3 UTR	0.0021	1
TRAK1	NM_001042646	9	2921	ACAUUCAAC	2913	3 UTR	0.0084	2
TREML4	NM_198153	8	2356	ACAUUCAA	2349	3 UTR	0.0232	2
TRIM23	NM_001656	7	1838	ACAUUCA	1832	3 UTR	0.0334	2
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TRIM35	NM_171982	8	1295	AACAUUCA	1288	3 UTR	0.0118	1
TRIM44	NM_017583	8	1211	ACAUUCAA	1204	3 UTR	0.0118	2
TRIM61	NM_001012414	7	845	AACAUUC	839	3 UTR	0.0118	1
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TRPC6	NM_004621	9	4967	ACAUUCAAC	4959	3 UTR	0.0253	2
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TSC22D2	NM_014779	7	297	AACAUUC	291	3 UTR	0.0105	1
TSG101	NM_006292	7	2238	ACAUUCA	2232	3 UTR	0.0379	2
TSGA14	NM_018718	7	2009	ACAUUCA	2003	3 UTR	0.0479	2
TSPAN8	NM_004616	8	1152	AACAUUCA	1145	3 UTR	0.0088	1
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UBXD3	NM_152376	7	1734	AACAUUC	1728	3 UTR	0.0232	1
UBXD6	NM_005671	7	1292	AACAUUC	1286	3 UTR	0.0019	1
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USO1	NM_003715	8	1966	ACAUUCAA	1959	3 UTR	0.0049	2
USP13	NM_003940	7	1793	ACAUUCA	1787	3 UTR	0.0368	2
USP33	NM_015017	9	4560	AACAUUCAA	4552	3 UTR	0.0126	1
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